

Source: TSG CN WG 1

Title: CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 1

Agenda item: 8.1

Document for: APPROVAL

Introduction:

This document contains 6 CRs, Rel-5 to Work Item "IMS-CCR", that have been agreed by TSG CN WG1, and are forwarded to TSG CN Plenary meeting #19 for approval.

Spec	CR	Rev	Cat	Phase	Subject	Version-Current	Version-New	Meeting-2nd-Level	Doc-2nd-Level
24.229	291		F	Rel-5	Minor correction and consistency changes to general part of profile	5.3.0	5.4.0	N1-28	N1-030012
24.229	292		F	Rel-5	SIP profile minor correction and consistency changes	5.3.0	5.4.0	N1-28	N1-030013
24.229	293	1	F	Rel-5	Network asserted identity procedure corrections for the UE	5.3.0	5.4.0	N1-28	N1-030261
24.229	294	1	F	Rel-5	Asserted identity inclusion in SIP profile	5.3.0	5.4.0	N1-28	N1-030300
24.229	296		F	Rel-5	Profile references relating to registration	5.3.0	5.4.0	N1-28	N1-030023
24.229	297	2	F	Rel-5	Reference corrections	5.3.0	5.4.0	N1-28	N1-030301

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 291** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Minor correction and consistency changes to general part of profile		
Source:	⌘ Lucent Technologies		
Work item code:	⌘ IMS-CCR	Date:	⌘ 03/01/2003
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2 (GSM Phase 2)	
	A (corresponds to a correction in an earlier release)	R96 (Release 1996)	
	B (addition of feature),	R97 (Release 1997)	
	C (functional modification of feature)	R98 (Release 1998)	
	D (editorial modification)	R99 (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Rel-4 (Release 4)	
		Rel-5 (Release 5)	
		Rel-6 (Release 6)	

Reason for change:	⌘ A number of CRs in the past have been made to the general part of the profile, and these have either missed changes related to those CRs, or errors have been made in small parts of those CRs. This CR attempts to tidy up a number of these issues.
Summary of change:	⌘ <ol style="list-style-type: none"> 1. Table A.3: One of the conditionals is missing a final period, and this is inserted for editorial consistency; also one of the comments is missing, and this is corrected, based on the text of the referenced item in the conditional. 2. The reference columns of the two tables have been completed.
Consequences if not approved:	⌘ Errors will exist in the general part of the profile.

Clauses affected:	⌘ A.1										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table>	Y	N		X		X		X	Other core specifications	⌘
Y	N										
	X										
	X										
	X										
		Test specifications									
		O&M Specifications									
Other comments:	⌘										

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

A.1 Profiles

A.1.1 Relationship to other specifications

This annex contains a profile to the IETF specifications, and the PICS proformas underlying profiles do not add requirements to the specifications they are proformas for.

This annex provides a profile specification according to both the current IETF specifications for SIP, SDP and other protocols (as indicated by the "RFC status" column in the tables in this annex) and to the 3GPP specifications using SIP (as indicated by the "Profile status" column in the tables in this annex).

In the "RFC status" column the contents of the referenced specification takes precedence over the contents of the entry in the column. However, a number of the referenced specifications reference RFC 2543 rather than RFC 3261 [26], and therefore certain extensions (particularly new headers) have not been included in these referenced specifications. 3GPP apply the extensions of the bis draft to IETF specifications that reference RFC 2543, and where this consideration applies to the entry in the "RFC status" column, then the entry should apply and override the referenced IETF specification.

In the "Profile status" column, there are a number of differences from the "RFC status" column. Where these differences occur, these differences take precedence over any requirements of the IETF specifications. Where specification concerning these requirements exists in the main body of the present document, the main body of the present document takes precedence.

Where differences occur in the "Profile status" column, the "Profile status" normally gives more strength to a "RFC status" and is not be in contradiction with the "RFC status", e.g. it may change an optional "RFC status" to a mandatory "Profile status". If the "Profile status" weakens the strength of a "RFC status" then additionally this will be indicated by further textual description in the present document.

NOTE 1: The referenced specifications consist of the set of IETF specifications that existed at the time of freezing of this document. Further extensions continue to be specified to SIP, SDP and other protocols, and profiles detailing the support or absence of support of these will not be specified in this major version. An exception exists where the extension specifies functionality that had been agreed by stage 1 and stage 2 to be included in this major version (where the related IETF draft had not been completed in time).

NOTE 2: Absence of a referenced specification does not necessarily preclude the use end-to-end by the UE or AS of such an extension. However, the UE or AS cannot depend on the support of such an extension by other functional entities within the IM CN subsystem within this major version.

A.1.2 Introduction to methodology within this profile

This subclause does not reflect dynamic conformance requirements but static ones. In particular, an condition for support of a PDU parameter does not reflect requirements about the syntax of the PDU (i.e. the presence of a parameter) but the capability of the implementation to support the parameter.

In the sending direction, the support of a parameter means that the implementation is able to send this parameter (but it does not mean that the implementation always sends it).

In the receiving direction, it means that the implementation supports the whole semantic of the parameter.

As a consequence, PDU parameter tables in this subclause are not the same as the tables describing the syntax of a PDU in the reference specification, e.g. RFC 3261 [26] tables 2 and 3. It is not rare to see a parameter which is optional in the syntax but mandatory in subclause below.

The various statii used in this subclause are in accordance with the rules in table A.1.

Table A.1: Key to status codes

Status code	Status name	Meaning
m	mandatory	the capability shall be supported. It is a static view of the fact that the conformance requirements related to the capability in the reference specification are mandatory requirements. This does not mean that a given behaviour shall always be observed (this would be a dynamic view), but that it shall be observed when the implementation is placed in conditions where the conformance requirements from the reference specification compel it to do so. For instance, if the support for a parameter in a sent PDU is mandatory, it does not mean that it shall always be present, but that it shall be present according to the description of the behaviour in the reference specification (dynamic conformance requirement).
o	optional	the capability may or may not be supported. It is an implementation choice.
n/a	not applicable	it is impossible to use the capability. No answer in the support column is required.
x	prohibited (excluded)	It is not allowed to use the capability. This is more common for a profile.
c <integer>	conditional	the requirement on the capability ("m", "o", "n/a" or "x") depends on the support of other optional or conditional items. <integer> is the identifier of the conditional expression.
o.<integer>	qualified optional	for mutually exclusive or selectable options from a set. <integer> is the identifier of the group of options, and the logic of selection of the options.
i	irrelevant	capability outside the scope of the given specification. Normally, this notation should be used in a base specification ICS proforma only for transparent parameters in received PDUs. However, it may be useful in other cases, when the base specification is in fact based on another standard.

The following additional comments apply to the interpretation of the tables in this Annex.

NOTE 1: The tables are constructed according to the conventional rules for ICS proformas and profile tables.

NOTE 2: The notation (either directly or as part of a conditional) of "m" for the sending of a parameter and "i" for the receipt of the same parameter, may be taken as indicating that the parameter is passed on transparently, i.e. without modification. Where a conditional applies, this behaviour only applies when the conditional is met.

A.1.3 Roles

Table A.2: Roles

Item	Roles	Reference	RFC status	Profile status
1	User agent	[26]	o.1	o.1
2	Proxy	[26]	o.1	o.1
o.1: It is mandatory to support exactly one of these items.				
NOTE: For the purposes of the present document it has been chosen to keep the specification simple by the tables specifying only one role at a time. This does not preclude implementations providing two roles, but an entirely separate assessment of the tables shall be made for each role.				

Table A.3: Roles specific to this profile

Item	Roles	Reference	RFC status	Profile status
1	UE	5.1	n/a	o.1
2	P-CSCF	5.2	n/a	o.1
3	I-CSCF	5.3	n/a	o.1
3A	I-CSCF (THIG)	5.3	n/a	c1
4	S-CSCF	5.4	n/a	o.1
5	BGCF	5.6	n/a	o.1
6	MGCF	5.5	n/a	o.1
7	AS	5.7	n/a	o.1
7A	AS acting as terminating UA, or redirect server	5.7.2	n/a	c2
7B	AS acting as originating UA	5.7.3	n/a	c2
7C	AS acting as a SIP proxy	5.7.4	n/a	c2
7D	AS performing 3rd party call control	5.7.5	n/a	c2
8	MRFC	5.8	n/a	o.1
c1:	IF A.3/3 THEN o ELSE x - - I-CSCF .			
c2:	IF A.3/7 THEN o.2 ELSE n/a - - AS.			
o.1:	It is mandatory to support exactly one of these items.			
o.2:	It is mandatory to support at least one of these items.			
NOTE:	For the purposes of the present document it has been chosen to keep the specification simple by the tables specifying only one role at a time. This does not preclude implementations providing two roles, but an entirely separate assessment of the tables shall be made for each role.			

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 292** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ SIP profile minor correction and consistency changes		
Source:	⌘ Lucent Technologies		
Work item code:	⌘ IMS-CCR	Date:	⌘ 23/12/2002
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ A number of CRs in the past have been made to the SIP profile, and these have either missed changes related to those CRs, or errors have been made in small parts of those CRs. This CR attempts to tidy up a number of these issues.
Summary of change:	⌘ <ol style="list-style-type: none"> 1. Table A.4: For each item, correction of capitalisation, and ensuring that each item is followed by a "?". Note that the capitalisation of the items relating to network asserted identity and privacy is covered in another CR. 2. Table A.4: conditional c3: the comment specifies that this relates to the UA, but this should be to the UE in accordance with the A.3/1 portion of the condition itself. 3. Table A.6, item 49. The status code 580 needs the references completing and this has been done. 4. Table A.28: The equivalent table in the proxy side (A.186) contains the Retry-After header, and RFC 3261 table 3 marks the header as optional for CANCEL requests. This header should therefore be included in Table A.28, with the settings o:o:o;o; 5. Table A.46: The references to note 2 within the table itself (against the Proxy require header) do not carry the identifier 2, and this identifier is added. 6. Table A.49: The entries for the warning header are incomplete, and should be completed in accordance with the summary given in N1-022342, and therefore should be optional for both send and receive, and should contain a reference to the note, which is included. 7. Table A.62A: The conditional c6 contains "(note)" as the comment, but this is incorrect as there is no note. This was an error in CR250 to 24.229. The referenced item in the conditional itself does not exist, and therefore the conditional itself is wrong. The conditional should be deleted, and the correct status of the Proxy-Require header is "o" for the RFC send status, and "n/a" for the 3GPP status.

8. Table A.62D: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
9. Table A.62E: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
10. Table A.62F: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
11. Table A.62G: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
12. Table A.62I: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
13. Table A.62J: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
14. Table A.62K: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
15. Table A.62L: One of the references for the allow header is incorrect, as it refers to the message RFC. This is corrected to the appropriate reference to RFC 3261.
16. Table A.79: The conditionals to this table are not used in the table itself and are therefore not required. The conditionals should be deleted.
17. Table A.102, 2nd prerequisite has a malformed comment separator. This is corrected.
18. Table A.113: The Error-Info header should be allowed in all 3xx, 4xx, 5xx and 6xx responses. It is included in the equivalent proxy table (A.269) but has not been included here. This header should therefore be included in Table A.113 with the settings o:o:o;o;
19. Table A.115. The Allow header has been included out of alphabetic sequence with the rest of the headers. It is moved to the appropriate place in the table.
20. Table A.119: Inclusion of appropriate comment text against conditional c4 and c5.
21. Table A.119: The extra full stop should be removed from the note.
22. Table A.122: The details for the Call-Info header have not been completed. The inclusion is defined as optional for this header, and therefore the table should be completed with o:o:o;o (see N1-022330).
23. Table A.123: Inclusion of appropriate comment text against conditional c3, c4 and c5.
24. Table A.145: The table number has an extra space within it. This should be deleted.
25. Table A.145: The details for the Error-Info header have not been completed. The inclusion is defined as optional for this header, and therefore the table should be completed with o:o:o;o.
26. Table A.154: The details for the Contact header have not been completed. The inclusion is defined as optional for this header, and therefore the table should be completed with o:o:o;o (see N1-022331);
27. Table A.154: A note has been included at the end of this table which was included for the incomplete details in the Contact header. However this note is only appropriate for 485 responses, and the note should therefore be deleted.
28. Table A.160: The prerequisite indicates that this table is appropriate to both 3xx responses and to 485 responses. However 3xx responses have already been covered in table A.154. Therefore the prerequisite should be modified to reflect only the 485 response.
29. Table A.164, item 49. The status code 580 needs the references completing and this has been done.
30. Table A.169. The Via header has been omitted, as this is a mandatory

- header in all responses, and the 100 (Trying) response table is not dependent on Table A.170, it needs including with contents m:m:m:m;
31. Table A.162: Many of the conditionals are missing final periods, and these are inserted for editorial consistency; also one of the comment separators is formatted differently to the others, and this is corrected.
 32. Table A.171: One of the references in the Authentication-Info header is incorrect, and should be replaced with the correct RFC 3261 reference.
 33. Table A.172, 2nd prerequisite has a malformed comment separator. This is corrected.
 34. Table A.190: N1-022336 summarized the use of the the MIME-Version header and identified its usage within the INFO method, but the associated CR failed to include this header in this table. The INFO method is not dialog establishing, and therefore there is no need for 3GPP proxies to look into this header.
 35. Table A.193: N1-022336 summarized the use of the the MIME-Version header and identified its usage within the INFO method, but the associated CR failed to include this header in this table. The INFO method is not dialog establishing, and therefore there is no need for 3GPP proxies to look into this header.
 36. Table A.195: N1-022331 summarized the usage of the Contact header in INFO as: "optional to send in requests, the header is not included in responses". The header has been included in this table by mistake, and should therefore be deleted;
 37. Table A.195: The Via header is already included in Table A.193, and this table is supplemental to table A.193, therefore the Via header should not be included in this table. It is there proposed that the Via header is removed from this table.
 38. Table A.198A: The conditional c2 is missing the appropriate comment, and this is now included.
 39. Table A.202: N1-022331 summarized the usage of the Contact header in INFO as: "optional to send in requests, the header is not included in responses". The header has been included in this table by mistake, and should therefore be deleted;
 40. Table A.211: The Timestamp header is already included in Table A.207, and this table is supplemental to table A.207, therefore the Timestamp header should not be included in this table. It is there proposed that the Timestamp header is removed from this table.
 41. Table A.211: The To header is already included in Table A.207, and this table is supplemental to table A.207, therefore the To header should not be included in this table. It is there proposed that the To header is removed from this table.
 42. Table A.212: In association with the proposal to include tables A.217A and A.217B, the 500 (Server Internal Error) and 503 (Service Unavailable) responses need deleting from the prerequisite of this table.
 43. Table A.213: The From header is already included in Table A.207, and this table is supplemental to table A.207, therefore the From header should not be included in this table. It is there proposed that the From header is removed from this table.
 44. Table A.217A: The 500 (Server Internal Error) response table is included separately for the UA role, but not included for the proxy role. The table is therefore proposed to be included, with appropriate contents.
 45. Table A.217B: The 503 (Service Unavailable) response table is included separately for the UA role, but not included for the proxy role. The table is therefore proposed to be included, with appropriate contents.
 46. Table A.218A: The Priority header has been included as an optional header in the equivalent UA role table, in accordance with the requirements specified in the message RFC, but has not been included in this proxy role table. It should be included, specified to be transparently passed on. For alignment with the UA role table, subsequent items in the table should be renumbered.
 47. Table A.218A: The Reply-To header has been included as an optional header in the equivalent UA role table, in accordance with the requirements

specified in the message RFC, but has not been included in this proxy role table. It should be included, specified to be transparently passed on. For alignment with the UA role table, subsequent items in the table should be renumbered.

- 48. Table A.218D: The From header is already included in Table A.218C, and this table is supplemental to table A.218C, therefore the From header should not be included in this table. It is there proposed that the From header is removed from this table.
- 49. Table A.218L: The Contact header has been included in error in this table, as it is not appropriate to 484 responses (see N1-022331). It is therefore proposed that this header is deleted.
- 50. Table A.237: The From header is already included in Table A.236, and this table is supplemental to table A.236, therefore the From header should not be included in this table. It is there proposed that the From header is removed from this table.
- 51. Table A.279: The Accept-Enconding header has been included as an optional header in the equivalent UA role table, in accordance with the requirements specified in RFC 3261 (see N1-022326), but has not been included in this proxy role table. It should be included, specified to be transparently passed on.
- 52. Table A.279: The Accept-Language header has been included as an optional header in the equivalent UA role table, in accordance with the requirements specified in RFC 3261 (see N1-022327), but has not been included in this proxy role table. It should be included, specified to be transparently passed on.
- 53. Table A.279: Some of the conditionals are missing a final period, and the "i" of conditional c7 has become upper case, when it should be lower case.
- 54. Table A.296: In association with the proposal to include table A.303A, the 503 (Service Unavailable) response needs deleting from the prerequisite of this table.
- 55. Table A.301: The Error-Info header needs completing in accordance with the agreements made for the other tables.
- 56. Table A.303A: The 503 (Service Unavailable) response table is included separately for the UA role, but not included for the proxy role. The table is therefore proposed to be included, with appropriate contents.
- 57. Table A.309: The From header is already included in Table A.307, and this table is supplemental to table A.307, therefore the From header should not be included in this table. It is there proposed that the From header is removed from this table.
- 58. Table A.315: The prerequisite indicates that this table is appropriate to both 3xx responses and to 485 responses. However 3xx responses have already been covered in table A.309. Therefore the prerequisite should be modified to reflect only the 485 response.

Consequences if not approved: ☹ Errors will exist in the SIP profile.

Clauses affected: ☹ A.2

Other specs affected:	☹	Y	N		☹
		X			
		X		Test specifications	
		X		O&M Specifications	

Other comments: ☹

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

A.2 Profile definition for the Session Initiation Protocol as used in the present document

A.2.1 User agent role

A.2.1.1 Introduction

This subclause contains the ICS proforma tables related to the user role. They need to be completed only for UA implementations:

Prerequisite: A.2/1 - - user agent role.

A.2.1.2 Major capabilities

Table A.4: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for registration?	[26] subclause 10.2	m	c3
2	registrar?	[26] subclause 10.3	o	c4
3	client behaviour for INVITE requests?	[26] subclause 13.2	m	o
4	server behaviour for INVITE requests?	[26] subclause 13.3	m	o
5	session release?	[26] subclause 15.1	m	c1
6	timestamping of requests?	[26] subclause 8.2.6.1	o	o
7	authentication between UA and UA?	[26] subclause 22.2	o	o
8	authentication between UA and registrar?	[26] subclause 22.2	o	n/a
8A	authentication between UA and proxy?	[26] 20.28, 22.3	o	o
9	server handling of merged requests due to forking?	[26] 8.2.2.2	m	m
10	client handling of multiple responses due to forking?	[26] 13.2.2.4	m	m
11	insertion of date in requests and responses?	[26] subclause 20.17	o	o
12	downloading of alerting information?	[26] subclause 20.4	o	o
	Extensions			
13	The the SIP INFO method?	[25]	o	n/a
14	Reliability reliability of provisional responses in SIP?	[27]	o	m
15	the REFER method?	[36]	o	o
16	Integration integration of resource management and SIP?	[30]	o	m
17	the SIP UPDATE method?	[29]	c5	m
19	SIP extensions for media authorization?	[31]	o	m
20	SIP specific event notification?	[28]	o	o
21	the use of NOTIFY to establish a dialog?	[28] 4.2	o	n/a
22	acting as the notifier of event information?	[28]	c2	c2
23	acting as the recipient of event information?	[28]	c2	c2
24	Session session Initiation initiation Protocol protocol Extension extension Header header Field field for Registering registering Non non Adjacent adjacent Contacts contacts ?	[35]	o	c6
25	private extensions to the Session Initiation Protocol (SIP) for Network Asserted Identity within Trusted Networks	[34]	o	m
26	a Privacy Mechanism for the Session Initiation Protocol (SIP)	[33]	o	m
27	a messaging mechanism for the Session Initiation Protocol (SIP)?	[50]	o	c7
28	Session session Initiation initiation Protocol protocol Extension extension Header header Field field for Service service Route route Discovery discovery During during Registration registration ?	[38]	o	m
29	Compressing compressing the Session session Initiation initiation Protocol protocol ?	[55]	o	c8

c1:	IF A.4/3 OR A.4/4 THEN m ELSE o -- client behaviour or server behaviour for INVITE requests.
c2:	IF A.4/20 THEN o.1 ELSE n/a -- SIP specific event notification extension.
c3:	IF A.3/1 OR A.3/4 THEN m ELSE n/a -- UA-UE or S-CSCF functional entity.
c4:	IF A.3/4 OR A.3/7 THEN m ELSE n/a -- S-CSCF or AS functional entity.
c5:	IF A.4/16 THEN m ELSE o -- integration of resource management and SIP extension.
c6:	IF A.3/4 OR A.3/1 THEN m ELSE n/a -- S-CSCF or UE.
c7:	IF A.3/1 OR A.3/7B OR A.3/7D THEN m ELSE n/a -- UE or AS acting as originating UA, or AS performing 3rd party call control
c8:	IF A.3/1 THEN m ELSE n/a -- UE behaviour.
o.1:	At least one of these capabilities is supported.

A.2.1.3 PDUs

Table A.5: Supported methods

Item	PDU	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	ACK request	[26] 13	m	m	[26] 13	m	m
2	BYE request	[26] 15.1	o		[26] 15.1	o	
3	BYE response	[26] 15.1	o		[26] 15.1	o	
4	CANCEL request	[26] 9	o		[26] 9	o	
5	CANCEL response	[26] 9	o		[26] 9	o	
6	INFO request	[25] 2	c2	n/a	[25] 2	c2	n/a
7	INFO response	[25] 2	c2	n/a	[25] 2	c2	n/a
8	INVITE request	[26] 13	m	m	[26] 13	m	m
9	INVITE response	[26] 13	m	m	[26] 13	m	m
9A	MESSAGE request	[50] 4	c7	c7	[50] 7	c7	c7
9B	MESSAGE response	[50] 4	c7	c7	[50] 7	c7	c7
10	NOTIFY request	[28] 8.1.2	c4	c4	[28] 8.1.2	c3	c3
11	NOTIFY response	[28] 8.1.2	c3	c3	[28] 8.1.2	c4	c4
12	OPTIONS request	[26] 11	m	m	[26] 11	m	m
13	OPTIONS response	[26] 11	m	m	[26] 11	m	m
14	PRACK request	[27] 6	c5	c5	[27] 6	c5	c5
15	PRACK response	[27] 6	c5	c5	[27] 6	c5	c5
16	REFER request	[36] 3	c1	c1	[36] 3	c1	c1
17	REFER response	[36] 3	c1	c1	[36] 3	c1	c1
18	REGISTER request	[26] 10	o		[26] 10	n/a	
19	REGISTER response	[26] 10	n/a		[26] 10	m	
20	SUBSCRIBE request	[28] 8.1.1	c3	c3	[28] 8.1.1	c4	c4
21	SUBSCRIBE response	[28] 8.1.1	c4	c4	[28] 8.1.1	c3	c3
22	UPDATE request	[30] 6.1	c6	c6	[30] 6.2	c6	c6
23	UPDATE response	[30] 6.2	c6	c6	[30] 6.1	c6	c6
c1:	IF A.4/15 THEN m ELSE n/a -- the REFER method extension.						
c2:	IF A.4/13 THEN m ELSE n/a -- the SIP INFO method extension.						
c3:	IF A.4/23 THEN m ELSE n/a -- recipient for event information.						
c4:	IF A.4/22 THEN m ELSE n/a -- notifier of event information.						
c5:	IF A.4/14 THEN m ELSE n/a -- reliability of provisional responses extension.						
c6:	IF A.4/17 THEN m ELSE n/a -- the SIP update method extension.						
c7:	IF A.4/27 THEN m ELSE n/a -- the SIP MESSAGE method.						

Editor's note: Optional status of BYE in RFC status is given because RFC states SHOULD (client and server).

Editor's note: Optional status of REGISTER in RFC status is given because RFC states RECOMMENDED (client); for the UAS, not statement is made, but it is assumed that this therefore means n/a.

A.2.1.4 PDU parameters

A.2.1.4.1 Status-codes

Table A.6: Supported status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	100 (Trying)	[26] 21.1.1	n/a	n/a	[26] 21.1.1	m	m
2	180 (Ringing)	[26] 21.1.2	c2	c2	[26] 21.1.2	c1	c1
3	181 (Call Is Being Forwarded)	[26] 21.1.3	c2	c2	[26] 21.1.3	c1	c1
4	182 (Queued)	[26] 21.1.4	c2	c2	[26] 21.1.4	c1	c1
5	183 (Session Progress)	[26] 21.1.5	c1	c1	[26] 21.1.5	c1	c1
6	200 (OK)	[26] 21.2.1			[26] 21.2.1		
7	202 (Accepted)	[28] 8.3.1	c3	c3	[28] 8.3.1	c3	c3
8	300 (Multiple Choices)	[26] 21.3.1			[26] 21.3.1		
9	301 (Moved Permanently)	[26] 21.3.2			[26] 21.3.2		
10	302 (Moved Temporarily)	[26] 21.3.3			[26] 21.3.3		
11	305 (Use Proxy)	[26] 21.3.4			[26] 21.3.4		
12	380 (Alternative Service)	[26] 21.3.5			[26] 21.3.5		
13	400 (Bad Request)	[26] 21.4.1			[26] 21.4.1		
14	401 (Unauthorized)	[26] 21.4.2			[26] 21.4.2		
15	402 (Payment Required)	[26] 21.4.3			[26] 21.4.3		
16	403 (Forbidden)	[26] 21.4.4			[26] 21.4.4		
17	404 (Not Found)	[26] 21.4.5			[26] 21.4.5		
18	405 (Method Not Allowed)	[26] 21.4.6			[26] 21.4.6		
19	406 (Not Acceptable)	[26] 21.4.7			[26] 21.4.7		
20	407 (Proxy Authentication Required)	[26] 21.4.8			[26] 21.4.8		
21	408 (Request Timeout)	[26] 21.4.9			[26] 21.4.9		
22	410 (Gone)	[26] 21.4.10			[26] 21.4.10		
23	413 (Request Entity Too Large)	[26] 21.4.11			[26] 21.4.11		
24	414 (Request-URI Too Large)	[26] 21.4.12			[26] 21.4.12		
25	415 (Unsupported Media Type)	[26] 21.4.13			[26] 21.4.13		
26	416 (Unsupported URI Scheme)	[26] 21.4.14			[26] 21.4.14		
27	420 (Bad Extension)	[26] 21.4.15			[26] 21.4.15		
28	421 (Extension Required)	[26] 21.4.16			[26] 21.4.16		
29	423 (Interval Too Brief)	[26] 21.4.17	c4	c4	[26] 21.4.17	m	m
30	480 (Temporarily Unavailable)	[26] 21.4.18			[26] 21.4.18		
31	481 (Call/Transaction Does Not Exist)	[26] 21.4.19			[26] 21.4.19		
32	482 (Loop Detected)	[26] 21.4.20			[26] 21.4.20		
33	483 (Too Many Hops)	[26] 21.4.21			[26] 21.4.21		
34	484 (Address Incomplete)	[26] 21.4.22			[26] 21.4.22		
35	485 (Ambiguous)	[26] 21.4.23			[26] 21.4.23		
36	486 (Busy Here)	[26] 21.4.24			[26] 21.4.24		
37	487 (Request Terminated)	[26] 21.4.25			[26] 21.4.25		
38	488 (Not Acceptable Here)	[26] 21.4.26			[26] 21.4.26		
39	489 (Bad Event)	[28] 7.3.2	c3	c3	[28] 7.3.2	c3	c3
40	491 (Request Pending)	[26] 21.4.27			[26] 21.4.27		
41	493 (Undecipherable)	[26] 21.4.28			[26] 21.4.28		
41A	494 (Security Agreement Required)	[38] 3	o	n/a	[3] 3	o	m
42	500 (Internal Server Error)	[26] 21.5.1			[26] 21.5.1		
43	501 (Not Implemented)	[26] 21.5.2			[26] 21.5.2		
44	502 (Bad Gateway)	[26] 21.5.3			[26] 21.5.3		
45	503 (Service Unavailable)	[26] 21.5.4			[26] 21.5.4		
46	504 (Server Time-out)	[26] 21.5.5			[26] 21.5.5		

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
47	505 (Version not supported)	[26] 21.5.6			[26] 21.5.6		
48	513 (Message Too Large)	[26] 21.5.7			[26] 21.5.7		
49	580 (Precondition Failure)	[30] 8			[30] 8		
50	600 (Busy Everywhere)	[26] 21.6.1			[26] 21.6.1		
51	603 (Decline)	[26] 21.6.2			[26] 21.6.2		
52	604 (Does Not Exist Anywhere)	[26] 21.6.3			[26] 21.6.3		
53	606 (Not Acceptable)	[26] 21.6.4			[26] 21.6.4		
c1: IF A.5/9 THEN m ELSE n/a - - INVITE response. c2: IF A.5/9 THEN o ELSE n/a - - INVITE response. c3: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension. c4: IF A.5/19 OR A.5/21 THEN m ELSE n/a - - REGISTER response or SUBSCRIBE response.							

A.2.1.4.2 ACK method

Prerequisite A.5/1 – ACK request

Table A.7: Supported headers within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
3	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
7	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
8	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
13	From	[26] 20.20	m	m	[26] 20.20	m	m
14	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
15	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
16	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
17	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
18	Require	[26] 20.32	o	o	[26] 20.32	m	m
19	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
20	Timestamp	[26] 20.38	c7	c7	[26] 20.38	m	m
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	o	o	[26] 20.41	m	m
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension. c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension. c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA. c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c5: IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy. c7: IF A.4/6 THEN o ELSE n/a - - timestamping of requests.							

Editor's note: Is the following table a suitable way of showing the contents of message bodies.

Prerequisite A.5/1 – ACK request

Table A.8: Supported message bodies within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.3 BYE method

Prerequisite A.5/2 - - BYE request

Table A.9: Supported headers within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
16	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
17	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
18	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
19	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
20	Require	[26] 20.32	o	o	[26] 20.32	m	m
21	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
22	Supported	[26] 20.37	o	o	[26] 20.37	m	m
23	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
24	To	[26] 20.39	m	m	[26] 20.39	m	m
25	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
26	Via	[26] 20.42	m	m	[20] 20.42	m	m

c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.
c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.
c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.
c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.
c5: IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.
c8: IF A.4/6 THEN o ELSE n/a - - timestamping of requests.

Prerequisite A.5/2 - - BYE request

Table A.10: Supported message bodies within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.11: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/3 - - BYE response

Table A.12: Supported headers within the BYE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/6 - - 2xx

Table A.13: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.14: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
0B	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.15: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.16: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.17: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/19 - - 407 (Proxy Authentication Required)

Table A.18: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/3 - - BYE response

Prerequisite A.6/25 - - 415 (Unsupported Media Type)

Table A.19: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.20: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.21: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/3 - - BYE response

Table A.22: Supported message bodies within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.4 CANCEL method

Prerequisite A.5/4 - - CANCEL request

Table A.23: Supported headers within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
9	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
10	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
15	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
16	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
17	Require	[26] 20.32	o	o	[26] 20.32	m	m
18	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
19	Supported	[26] 20.37	o	o	[26] 20.37	m	m
20	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	o		[26] 20.41	o	
23	Via	[26] 20.42	m	m	[26] 20.42	m	m

- c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.
- c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.
- c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.
- c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.
- c8: IF A.4/6 THEN o ELSE n/a - - timestamping of requests.

Prerequisite A.5/4 - - CANCEL request

Table A.24: Supported message bodies within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/5 - - CANCEL response

Table A.25: Supported headers within the CANCEL response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
7	To	[26] 20.39	m	m	[26] 20.39	m	m
7A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
8	Via	[26] 20.42	m	m	[26] 20.42	m	m
9	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/6 - - 200 (OK)

Table A.26: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.27: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 500, 503, 600, 603

Table A.28: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.29: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.30: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Table A.31: Supported message bodies within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.5 COMET method

Void

A.2.1.4.6 INFO method

Prerequisite A.5/6 - - INFO request

Table A.32: Supported headers within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Contact	[26] 20.10	o	o	[26] 20.10	o	o
7A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
8A	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
15A	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
16	Organization	[26] 20.25	o	o	[26] 20.25	o	o
17	Priority	[26] 20.26	o	o	[26] 20.26	o	o
18	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
19	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
20	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
21	Require	[26] 20.32	o	o	[26] 20.32	m	m
22	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
23	Subject	[26] 20.36	o	o	[26] 20.36	o	o
24	Supported	[26] 20.37	o	o	[26] 20.37	m	m
25	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c8:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/6 - - INFO request

Table A.33: Supported message bodies within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.34: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/7 - - INFO response

Table A.35: Supported headers within the INFO response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
2	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
2A	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
3	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
4	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
5	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
6	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
7	From	[26] 20.20	m	m	[26] 20.20	m	m
7A	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
8	Organization	[26] 20.25	o	o	[26] 20.25	m	m
8A	Server	[26] 20.35	o	o	[26] 20.35	o	o
9	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
10	To	[26] 20.39	m	m	[26] 20.39	m	m
10A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
11	Via	[26] 20.42	m	m	[26] 20.42	m	m
12	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.							
c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/6 - - 2xx

Table A.36: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.							
c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 - - 3xx

Table A.37: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.38: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.39: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.40: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/14 - - 407 (Proxy Authentication Required)

Table A.40A: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.41: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
0B	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
0C	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
0D	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.42: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.43: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/35 - - 485 (Ambiguous")

Table A.44: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Table A.45: Supported message bodies within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.7 INVITE method

Prerequisite A.5/8 - - INVITE request

Table A.46: Supported headers within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
4	Alert-Info	[26] 20.4	o	o	[26] 20.4	c1	c1
5	Allow	[26] 20.5, [26] 5.1	o (note 1)	o	[26] 20.5, [26] 5.1	m	m
6	Allow-Events	[28] 8.2.2	c2	c2	[28] 8.2.2	c2	c2
7	Anonymity	[34] 5.2	o		[34] 5.2		
8	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
9	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
10	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
11	Contact	[26] 20.10	m	m	[26] 20.10	m	m
12	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
13	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
14	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
15	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
16	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
17	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
18	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
19	Expires	[26] 20.19	o	o	[26] 20.19	o	o
20	From	[26] 20.20	m	m	[26] 20.20	m	m
21	In-Reply-To	[26] 20.21	o	o	[26] 20.21	o	o
22	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
23	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
24	Organization	[26] 20.25	o	o	[26] 20.25	o	o
25	P-Media-Authorization	[31] 6.1	n/a	n/a	[31] 6.1	c11	c12
26	Priority	[26] 20.26	o	o	[26] 20.26	o	o
27	Proxy-Authorization	[26] 20.28	c6	c6	[26] 20.28	n/a	n/a
28	Proxy-Require	[26] 20.29	o (note 2)	o (note 2)	[26] 20.29	n/a	n/a
29	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	m	m
30	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
31	Reply-To	[26] 20.31	o	o	[26] 20.31	o	o
32	Require	[26] 20.32	c8	o	[26] 20.32	m	m
33	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
34	Subject	[26] 20.36	o	o	[26] 20.36	o	o
35	Supported	[26] 20.37	c8	m	[26] 20.37	m	m
36	Timestamp	[26] 20.38	c10	c10	[26] 20.38	m	m
37	To	[26] 20.39	m	m	[26] 20.39	m	m
38	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
39	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/12 THEN m ELSE n/a - - downloading of alerting information.						
c2:	IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.						
c3:	IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.						
c4:	IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.						
c6:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						
c8:	IF A.4/14 THEN o.1 ELSE o - - Reliability of provisional responses in SIP.						
c10:	IF A.4/6 THEN o ELSE n/a - - timestamping of requests.						
c11:	IF A.4/19 THEN m ELSE n/a - - SIP extensions for media authorization.						
c12:	IF A.3/1 THEN m ELSE n/a - - UE.						
o.1:	At least one of these shall be supported.						
NOTE 1:	The strength of this requirement in RFC 3261 [26] is RECOMMENDED, rather than OPTIONAL.						
NOTE 2:	No distinction has been made in these tables between first use of a request on a From/To/Call-ID combination, and the usage in a subsequent one. Therefore the use of "o" etc. above has been included from a viewpoint of first usage.						

Prerequisite A.5/8 - - INVITE request

Table A.47: Supported message bodies within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.48: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/9 - - INVITE response

Table A.49: Supported headers within the INVITE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
11	Organization	[26] 20.25	o	o	[26] 20.25	o	o
11A	Server	[26] 20.35	o	o	[26] 20.35	o	o
12	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/2 OR A.6/3 OR A.6/4 OR A.6/5 - - 1xx

Table A.50: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Contact	[26] 20.10	o		[26] 20.10	o/m	
6	P-Media-Authorization	[31] 6.1	n/a	n/a	[31] 6.1	c11	c12
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Rseq	[27] 7.1	c2	m	[27] 7.1	c3	m
11	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c2:	IF A.4/14 THEN o ELSE n/a - - reliability of provisional responses in SIP.						
c3:	IF A.4/14 THEN m ELSE n/a - - reliability of provisional responses in SIP.						
c11:	IF A.4/19 THEN m ELSE n/a - - SIP extensions for media authorization.						
c12:	IF A.3/1 THEN m ELSE n/a - - UE.						

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/6 - - 2xx

Table A.51: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
1A	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
1B	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
2	Allow	[26] 20.5	o (note 1)	o	[26] 20.5	m	m
3	Anonymity	[34] 5.2	o		[34] 5.2		
4	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
6	Contact	[26] 20.10	m	m	[26] 20.10	m	m
8	P-Media-Authorization	[31] 6.1	n/a	n/a	[31] 6.1	c11	c12
9	Record-Route	[26] 20.30	m	m	[26] 20.30	m	m
10	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
11	Require	[26] 20.32	m	m	[26] 20.32	m	m
13	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:	IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.						
c2:	IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.						
c11:	IF A.4/19 THEN m ELSE n/a - - SIP extensions for media authorization.						
c12:	IF A.3/1 THEN m ELSE n/a - - UE.						
NOTE 1:	The strength of this requirement in RFC 3261 [26] is RECOMMENDED, rather than OPTIONAL.						

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/34 - - 3xx or 485 (Ambiguous)

Table A.52: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Contact	[26] 20.10	o (note 1)	o	[26] 20.10	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.53: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Proxy-Authenticate	[26] 20.27	c3	c3	[26] 20.27	c3	c3
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
13	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m

c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.
c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.
c3: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 600, 603

Table A.54: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.55: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Anonymity	[34] 5.2	o		[34] 5.2	o	
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.56: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:	IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.57: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Anonymity	[34] 5.2	o		[34] 5.2		
6	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
8	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
9	Require	[26] 20.32	m	m	[26] 20.32	m	m
11	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.58: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.59: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/42 - - 500 (Server Internal Error)

Table A.60: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Retry-After	[26] 20.33	m	m	[26] 20.33	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/45 - - 503 (Service Unavailable)

Table A.61: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Retry-After	[26] 20.33	o	o	[26] 20.33	o	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Table A.62: Supported message bodies within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.7A MESSAGE method

Prerequisite A.5/9A - - MESSAGE request

Table A.62A: Supported headers within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
3	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
6	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
7	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
8	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 29.15	m	m
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
13	Expires	[26] 20.19	o	o	[26] 20.19	o	o
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	In-Reply-To	[26] 20.21	o	o	[26] 20.21	o	o
16	Max-Forwards	[26] 20.22	o	o	[26] 20.22	o	o
17	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
18	Organization	[26] 20.25	o	o	[26] 20.25	o	o
19	Priority	[26] 20.26	o	o	[26] 20.26	o	o
20	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
21	Proxy-Require	[26] 20.29	e6o	e6n/a	[26] 20.29	n/a	n/a
22	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
23	Reply-To	[26] 20.31	o	o	[26] 20.31	o	o
24	Require	[26] 20.32	c8	o	[26] 20.32	m	m
25	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
26	Subject	[26] 20.35	o	o	[26] 20.36	o	o
27	Supported	[26] 20.37	c9	m	[26] 20.37	m	m
28	Timestamp	[26] 20.38	c10	c10	[26] 20.38	m	m
29	To	[26] 20.39	m	m	[26] 20.39	m	m
30	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
31	Via	[26] 20.42	m	m	[26] 20.42	m	m
		c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension. c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension. c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA. c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c5: IF A.162/8A THEN m ELSE i - - authentication between UA and proxy. e6: IF A.4/18 THEN m ELSE o - - (note) c8: IF A.4/14 THEN o.1 ELSE o - - Reliable transport. c9: IF IF A.4/14 THEN o.1 ELSE o - - support of reliable transport. c10: IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/9A - - MESSAGE request

Table A.62B: Supported message bodies within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/9B - - MESSAGE response

Table A.62C: Supported headers within the MESSAGE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
3	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
4	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
5	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
10	From	[26] 20.20	m	m	[26] 20.20	m	m
11	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
12	Organization	[26] 20.25	o	o	[26] 20.25	o	o
13	Server	[26] 20.35	o	o	[26] 20.35	o	o
14	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
15	To	[26] 20.39	m	m	[26] 20.39	m	m
16	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
17	Via	[26] 20.42	m	m	[26] 20.42	m	m
18	Warning	[26] 20.43	o	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/6 - - 2xx

Table A.62D: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5 [26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.62E: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5 [26] 20.5	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE:		The strength of this requirement is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.62F: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50]26] 4020.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.62G: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50]26] 4020.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.62H: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.62I: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50]26] 4020.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.62J: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[50]26] 4020.5	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.62K: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50]26] 4020.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.62L: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50]26 4020.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9B - - MESSAGE response

Table A.62M: Supported message bodies within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.8 NOTIFY method

Prerequisite A.5/10 - - NOTIFY request

Table A.63: Supported headers within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	From	[26] 20.20	m	m	[26] 20.20	m	m
16	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
17	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
18	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
19	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
20	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	c9	c9
21	Require	[26] 20.32	o	o	[26] 20.32	m	m
22	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
23	Subscription-State	[28] 8.2.3	m	m	[28] 8.2.3	m	m
24	Supported	[26] 20.37	o	o	[26] 20.37	m	m
25	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c8:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					
c9:		IF A.4/15 OR A.4/20 THEN m ELSE n/a - - the REFER method extension or SIP specific event notification extension.					

Prerequisite A.5/10 - - NOTIFY request

Table A.64: Supported message bodies within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	sipfrag	[37] 2	c1	c1	[37]	c1	c1
c1:		IF A.4/15 THEN m ELSE o - - the REFER method extension					

Prerequisite A.5/11 - - NOTIFY response

Table A.65: Supported headers within the NOTIFY response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.							
c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/6 and A.6/7 - - 2xx

Table A.66: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
1A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
2	Record-Route	[26] 20.30	c3	c3	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.							
c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.							
c3: IF A.4/15 OR A.4/20 THEN m ELSE n/a - - the REFER method extension or SIP specific event notification extension.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.67: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Contact	[26] 20.10	m (note)	m	[26] 20.10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than MANDATORY for a 485 response.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.68: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.69: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/18 -- 405 (Method Not Allowed)

Table A.70: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.71: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c3	c3	[26] 20.27	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c3: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite A.6/25 - - 415 (Unsupported Media Type)

Table A.72: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.73: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.74: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/39 - - 489 (Bad Event)

Table A.75: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m

Prerequisite A.5/11 - - NOTIFY response

Table A.76: Supported message bodies within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.9 OPTIONS method

Prerequisite A.5/12 - - OPTIONS request

Table A.77: Supported headers within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	c2	c2	[26] 20.7	c2	c2
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
8	Contact	[26] 20.10	o	o	[26] 20.10	o	o
9	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
10	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
11	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	c3	c3	[26] 20.17	m	m
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
18	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
19	Organization	[26] 20.25	o	o	[26] 20.25	o	o
20	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
21	Proxy-Require	[26] 20.29	o	o (note)	[26] 20.29	n/a	n/a
22	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
23	Require	[26] 20.32	o	o	[26] 20.32	m	m
24	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
25	Supported	[26] 20.37	c6	c6	[26] 20.37	m	m
26	Timestamp	[26] 20.38	c7	c7	[26] 20.38	m	m
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c3:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c7:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					
NOTE:		No distinction has been made in these tables between first use of a request on a From/To/Call-ID combination, and the usage in a subsequent one. Therefore the use of "o" etc. above has been included from a viewpoint of first usage.					

Prerequisite A.5/12 - - OPTIONS request

Table A.78: Supported message bodies within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.79: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m
c1: IF A.4/11 THEN o ELSE n/a -- insertion of date in requests and responses. c2: IF A.4/6 THEN m ELSE n/a -- timestamping of requests.							

Prerequisite A.5/13 - - OPTIONS response

Table A.80: Supported headers within the OPTIONS response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
11	Organization	[26] 20.25	o	o	[26] 20.25	o	o
12	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/6 - - 2xx

Table A.81: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	m	m
2	Allow	[26] 20.5	o (note 1)	o	[26] 20.5	m	m
3	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
5	Contact	[26] 20.10	o		[26] 20.10	o	
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
NOTE 1: The strength of this requirement in RFC 3261 [26] is RECOMMENDED, rather than OPTIONAL.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.82: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.83: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	WWW-Authenticate	[26] 20.44	o		[26] 20.44	o	
c1:		IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.					

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.84: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.85: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.86: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:	IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.87: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1		At least one of these capabilities is supported.					

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.88: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.89: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/13 - - OPTIONS response

Table A.90: Supported message bodies within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.3.10 PRACK method

Prerequisite A.5/14 - - PRACK request

Table A.91: Supported headers within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
16	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
17	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
18	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
19	RAck	[27] 7.2	m	m	[27] 7.2	m	m
20	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
21	Require	[26] 20.32	o	o	[26] 20.32	m	m
22	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
23	Supported	[26] 20.37	o	o	[26] 20.37	m	m
24	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
25	To	[26] 20.39	m	m	[26] 20.39	m	m
26	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
27	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c8:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/14 - - PRACK request

Table A.92: Supported message bodies within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.93: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/15 - - PRACK response

Table A.94: Supported headers within the PRACK response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/6 - - 2xx

Table A.95: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
0B	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
1	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.							
c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.96: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.97: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.98: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.99: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.100: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.101: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.102: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.103: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Table A.104: Supported message bodies within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.11 REFER method

Prerequisite A.5/16 - - REFER request

Table A.105: Supported headers within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	o	o	[26] 20.1	m	m
0B	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
1	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
1A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
3	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Contact	[26] 20.10	m	m	[26] 20.10	m	m
5A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
5B	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
5C	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
10	Expires	[26] 20.19	o	o	[26] 20.19	o	o
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
13	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
14	Organization	[26] 20.25	o	o	[26] 20.25	o	o
15	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
16	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
17	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	m	m
18	Refer-To	[36] 3	m	m	[36] 3	m	m
19	Require	[26] 20.32	o	o	[26] 20.32	m	m
20	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
20A	Subject	[26] 20.36	o	o	[26] 20.36	o	o
21	Supported	[26] 20.37, [26] 7.1	o	o	[26] 20.37, [26] 7.1	m	m
22	Timestamp	[26] 20.38	c6	c6	[26] 20.38	m	m
23	To	[26] 20.39	m	m	[26] 20.39	m	m
24	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
25	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c6:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/16 - - REFER request

Table A.106: Supported message bodies within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.107: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/17 - - REFER response

Table A.108: Supported headers within the REFER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
2	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
3	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
4	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
5	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
6	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
7	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
8	From	[26] 20.20	m	m	[26] 20.20	m	m
9	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10	Organization	[26] 20.25	o	o	[26] 20.25	o	o
10A	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.							
c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/7 - - 202 (Accepted)

Table A.109: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
3	Contact	[26] 20.10	m	m	[26] 20.10	m	m
5	Record-Route	[26] 20.30	m	m	[26] 20.30	m	m
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.							
c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.110: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.111: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.112: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.113: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.114: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:		IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.					

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.115: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	e	e	[26] 20.5	m	m
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1		At least one of these capabilities is supported.					

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.116: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.117: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/17 - - REFER response

Table A.118: Supported message bodies within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.12 REGISTER method

Prerequisite A.5/18 - - REGISTER request

Table A.119: Supported headers within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	c2	n/a	[26] 20.7	c2	n/a
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
8	Contact	[26] 20.10	o	o	[26] 20.10	m	m
9	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
10	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
11	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	c3	c3	[26] 20.17	m	m
16	Expires	[26] 20.19	o	o	[26] 20.19	m	m
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
19	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
20	Organization	[26] 20.25	o	o	[26] 20.25	o	o
20A	Path	[35] 4	c4	c5	[35] 4	m	c6
21	Proxy-Authorization	[26] 20.28	c8	c8	[26] 20.28	n/a	n/a
22	Proxy-Require	[26] 20.29	o	o (note)	[26] 20.29	n/a	n/a
23	Require	[26] 20.32	o	o	[26] 20.32	m	m
24	Route	[26] 20.34	o	n/a	[26] 20.34	n/a	n/a
25	Supported	[26] 20.37	o	o	[26] 20.37	m	m
26	Timestamp	[26] 20.38	m	m	[26] 20.38	c7	c7
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/8 THEN m ELSE n/a - - authentication between UA and registrar.					
c3:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c4:		IF A.4/24 THEN o ELSE n/a - - session initiation protocol extension header field for registering non-adjacent contacts .					
c5:		IF A.4/24 THEN x ELSE n/a - - session initiation protocol extension header field for registering non-adjacent contacts .					
c6:		IF (A.3/4) OR A.3/1 THEN m ELSE n/a. - - S-CSCF or UE.					
c7:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c8:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
NOTE:		No distinction has been made in these tables between first use of a request on a From/To/Call-ID combination, and the usage in a subsequent one. Therefore the use of "o" etc. above has been included from a viewpoint of first usage.-					

Prerequisite A.5/18 - - REGISTER request

Table A.120: Supported message bodies within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.121: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/19 - - REGISTER response

Table A.122: Supported headers within the REGISTER response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
11	Organization	[26] 20.25	o	o	[26] 20.25	o	o
11A	Server	[26] 20.35	o	o	[26] 20.35	o	o
12	Timestamp	[26] 20.38	c2	c2	[26] 20.38	m	m
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/6 - - 2xx

Table A.123: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o		[26] 20.1	o	
1A	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
1B	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
2	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Authentication-Info	[26] 20.6	c6	c6	[26] 20.6	c7	c7
5	Contact	[26] 20.10	o	o	[26] 20.10	m	m
6	Path	[35] 4	c3	c3	[35] 4	c4	c4
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Service-Route	[38] 6	c5	c5	[38] 6	c5	c5
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:	IF (A.3/4 AND A.4/2) THEN m ELSE n/a. - - S-CSCF acting as registrar.						
c2:	IF A.3/4 OR A.3/1 THEN m ELSE n/a. - - S-CSCF or UE.						
c3:	IF A.4/24 THEN m ELSE n/a - - session initiation protocol extension header field for registering non-adjacent contacts.						
c4:	IF A.4/24 THEN o ELSE n/a - - session initiation protocol extension header field for registering non-adjacent contacts.						
c5:	IF A.4/28 THEN m ELSE n/a - - session initiation protocol extension header field for service route discovery during registration.						
c6:	IF A.4/8 THEN o ELSE n/a - - authentication between UA and registrar.						
c7:	IF A.4/8 THEN m ELSE n/a - - authentication between UA and registrar.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.124: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.125: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	x	[26] 20.27	c1	x
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1:	IF A.5/8 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.126: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.127: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.128: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Proxy-Authenticate	[26] 20.27	c1	x	[26] 20.27	c1	x
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:	IF A.5/8 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.129: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1		At least one of these capabilities is supported.					

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.130: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/29 - - 423 (Interval Too Brief)

Table A.131: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o		[26] 20.18	o	
5	Min-Expires	[26] 20.23	m	m	[26] 20.23	m	m
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.132: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Table A.133: Supported message bodies within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.13 SUBSCRIBE method

Prerequisite A.5/20 - - SUBSCRIBE request

Table A.134: Supported headers within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	Expires	[26] 20.19	o (note)	o (note)	[26] 20.19	m	m
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
18	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
18A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
19	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
20	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
21	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	m	m
22	Require	[26] 20.32	o	o	[26] 20.32	m	m
23	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
24	Supported	[26] 20.37	o	o	[26] 20.37	m	m
25	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.						
c2:	IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.						
c3:	IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.						
c4:	IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.						
c5:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						
c8:	IF A.4/6 THEN o ELSE n/a - - timestamping of requests.						
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/20 - - SUBSCRIBE request

Table A.135: Supported message bodies within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/21 - - SUBSCRIBE response

Table A.136: Supported headers within the SUBSCRIBE response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
10B	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/6 and A.6/7 - - 2xx

Table A.137: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
1A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
2	Expires	[26] 20.19	m	m	[26] 20.19	m	m
3	Record-Route	[26] 20.30	m	m	[26] 20.30	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.138: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Contact	[26] 20.10	m (note)	m	[26] 20.10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than MANDATORY for a 485 response.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.139: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 600, 603

Table A.140: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o		[26] 20.33	o	
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.141: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.142: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite A.6/25 - - 415 (Unsupported Media Type)

Table A.143: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.144: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/29 - - 423 (Interval Too Brief)

Table A.-145: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Min-Expires	[26] 20.23	m	m	[26] 20.23	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.146: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/39 - - 489 (Bad Event)

Table A.147: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/45 - - 503 (Service Unavailable)

Table A.148: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Table A.149: Supported message bodies within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.14 UPDATE method

Prerequisite A.5/22 - - UPDATE request

Table A.150: Supported headers within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Allow-Events	[28] 8.2.2	c2	c2	[28] 8.2.2	c3	c3
6	Authorization	[26] 20.7	c4	c4	[26] 20.7	c4	c4
7	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
9	Contact	[26] 20.10	m	m	[26] 20.10	m	m
10	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
11	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
12	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
13	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
14	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
15	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
16	Date	[26] 20.17	c5	c5	[26] 20.17	m	m
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
19	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
20	Organization	[26] 20.25	o	o	[26] 20.25	o	o
21	Proxy-Authorization	[26] 20.28	c10	c10	[26] 20.28	n/a	n/a
22	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
23	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
24	Require	[26] 20.32	o	o	[26] 20.32	m	m
25	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
26	Supported	[26] 20.37	o	o	[26] 20.37	m	m
27	Timestamp	[26] 20.38	c9	c9	[26] 20.38	m	m
28	To	[26] 20.39	m	m	[26] 20.39	m	m
29	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
30	Via	[26] 20.42	m	m	[26] 20.42	m	m
c2:	IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.						
c3:	IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.						
c4:	IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.						
c5:	IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.						
c9:	IF A.4/6 THEN o ELSE n/a - - timestamping of requests.						
c10:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						

Prerequisite A.5/22 - - UPDATE request

Table A.151: Supported message bodies within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/23 - - UPDATE response

Table A.152: Supported headers within the UPDATE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
10B	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/6 - - 2xx

Table A.153: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	o	o	[26] 20.1	m	m
0B	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
0C	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
3	Contact	[26] 20.10	m	m	[26] 20.10	m	m
4	Require	[26] 20.31	m	m	[26] 20.31	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 - - 3xx

Table A.154: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o	<u>o</u>	[26] 20.10	o	<u>o</u>
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.154A: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1:	IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.155: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.156: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.33	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.157: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.158: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
6	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.159: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/23 - - UPDATE response

Prerequisite: ~~A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR~~ A.6/35 - - ~~3xx or~~ 485 (Ambiguous)

Table A.160: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.33	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/23 - - UPDATE response

Table A.161: Supported message bodies within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2 Proxy role

A.2.2.1 Introduction

This subclause contains the ICS proforma tables related to the proxy role. They need to be completed only for proxy implementations.

Prerequisite: A.2/2 - - proxy role

A.2.2.2 Major capabilities

Table A.162: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for session requests?	[26] 16	m	m
2	server behaviour for session requests?	[26] 16	m	m
3	session release?	[26] 16	m	m
4	stateless proxy behaviour?	[26] 16.11	o.1	
5	stateful proxy behaviour?	[26] 16.2	o.1	
6	forking of initial requests?	[26] 16.1	c1	x
7	support of TLS connections on the upstream side?	[26] 16.7	o	n/a
8	support of TLS connections on the downstream side?	[26] 16.7	o	n/a
8A	authentication between UA and proxy?	[26] 20.28, 22.3	o	x
9	insertion of date in requests and responses?	[26] 20.17	o	o
10	suppression or modification of alerting information data?	[26] 20.4	o	o
11	reading the contents of the Require header before proxying the request or response?	[26] 20.32	o	o
12	adding or modifying the contents of the Require header before proxying the REGISTER request or response	[26] 20.32	o	m
13	adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER?	[26] 20.32	o	o
14	the requirement to be able to insert itself in the subsequent transactions in a dialog?	[26] 16.6	o	c2
15	the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing?	[26] 16.7	c3	c3
16	reading the contents of the Supported header before proxying the response?	[26] 20.37	o	o
17	reading the contents of the Unsupported header before proxying the 420 response to a REGISTER?	[26] 20.40	o	m
18	reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER?	[26] 20.40	o	o
19	the inclusion of the Error-Info header in 3xx - 6xx responses?	[26] 20.18	o	o
19A	reading the contents of the Organization header before proxying the request or response?	[26] 20.25	o	o
19B	adding or concatenating the Organization header before proxying the request or response?	[26] 20.25	o	o
19C	reading the contents of the Call-Info header before proxying the request or response?	[26] 20.25	o	o
19D	adding or concatenating the Call-Info header before proxying the request or response?	[26] 20.25	o	o
19E	delete Contact headers from 3xx responses prior to relaying the response?	[26] 20	o	o
	Extensions			

20	the SIP INFO method?	[25]	o	o
21	reliability of provisional responses in SIP?	[27]	o	m
22	the REFER method?	[36]	o	o
23	integration of resource management and SIP?	[30]	o	m
24	the SIP UPDATE method?	[29]	c4	m
26	SIP extensions for media authorization?	[31]	o	m
27	SIP specific event notification	[28]	o	o
28	the use of NOTIFY to establish a dialog	[28] 4.2	o	n/a
29	Session Initiation Protocol Extension Header Field for Registering Non-Adjacent Contacts	[35]	o	c6
30	extensions to the Session Initiation Protocol (SIP) for Network Asserted Identity within Trusted Networks	[34]	o	m
31	a Privacy Mechanism for the Session Initiation Protocol (SIP)	[33]	o	m
32	Session Initiation Protocol Extension Header Field for Service Route Discovery During Registration	[38]	o	c6
33	a messaging mechanism for the Session Initiation Protocol (SIP)	[50]	o	m
34	Compressing the Session Initiation Protocol	[55]	o	c7
c1:	IF A.162/5 THEN o ELSE n/a - - stateful proxy behaviour.			
c2:	IF A.3/4 OR A.3/7 THEN m ELSE IF A.3/3 THEN o ELSE n/a - - S-CSCF or AS else I-CSCF.			
c3:	IF (A.162/7 AND NOT A.162/8) OR (NOT A.162/7 AND A.162/8) THEN m ELSE IF A.162/14 THEN o ELSE n/a - - TLS interworking with non-TLS else proxy insertion.			
c4:	IF A.162/23 THEN m ELSE o - - integration of resource management and SIP.			
c6:	IF A.3/2 OR A.3/3A THEN m ELSE n/a - - P-CSCF or I-CSCF (THIG).			
c7:	IF A.3/2 THEN m ELSE n/a - - P-CSCF.			
o.1:	It is mandatory to support at least one of these items.			

A.2.2.3 PDUs

Table A.163: Supported methods

Item	PDU	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	ACK request	[26] 13	m	m	[26] 13	m	m
2	BYE request	[26] 16	o	m	[26] 16	o	m
3	BYE response	[26] 16	o	m	[26] 16	o	m
4	CANCEL request	[26] 16.10	o	m	[26] 16.10	o	m
5	CANCEL response	[26] 16.10	o	m	[26] 16.10	o	m
6	INFO request	[25] 2	c2	c2	[25] 2	c2	c2
7	INFO response	[25] 2	c2	c2	[25] 2	c2	c2
8	INVITE request	[26] 16	m	m	[26] 16	m	m
9	INVITE response	[26] 16	m	m	[26] 16	m	m
9A	MESSAGE request	[50] 4	c5	c5	[50] 7	c5	c5
9B	MESSAGE response	[50] 4	c5	c5	[50] 7	c5	c5
10	NOTIFY request	[28] 8.1.2	c3	c3	[28] 8.1.2	c3	c3
11	NOTIFY response	[28] 8.1.2	c3	c3	[28] 8.1.2	c3	c3
12	OPTIONS request	[26] 16	m	m	[26] 16	m	m
13	OPTIONS response	[26] 16	m	m	[26] 16	m	m
14	PRACK request	[27] 6	c6	c6	[27] 6	c6	c6
15	PRACK response	[27] 6	c6	c6	[27] 6	c6	c6
16	REFER request	[36] 3	c1	c1	[36] 3	c1	c1
17	REFER response	[36] 3	c1	c1	[36] 3	c1	c1
18	REGISTER request	[26] 16	m	m	[26] 16	m	m
19	REGISTER response	[26] 16	m	m	[26] 16	m	m
20	SUBSCRIBE request	[28] 8.1.1	c3	c3	[28] 8.1.1	c3	c3
21	SUBSCRIBE response	[28] 8.1.1	c3	c3	[28] 8.1.1	c3	c3
22	UPDATE request	[30] 7	c4	c4	[30] 7	c4	c4
23	UPDATE response	[30] 7	c4	c4	[30] 7	c4	c4
c1:	IF A.162/22 THEN m ELSE n/a -- the REFER method.						
c2:	IF A.162/20 THEN m ELSE n/a -- the SIP INFO method.						
c3:	IF A.162/27 THEN m ELSE n/a -- SIP specific event notification.						
c4:	IF A.162/24 THEN m ELSE n/a -- the SIP UPDATE method.						
c5:	IF A.162/33 THEN m ELSE n/a -- the SIP MESSAGE method.						
c6:	IF A.162/21 THEN m ELSE n/a -- reliability of provisional responses.						

A.2.2.4 PDU parameters

A.2.2.4.1 Status-codes

Table A.164: Supported-status codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	100 (Trying)	[26] 21.1.1	c1	c1	[26] 21.1.1	c2	c2
2	180 (Ringing)	[26] 21.1.2	c3	c3	[26] 21.1.2	c3	c3
3	181 (Call Is Being Forwarded)	[26] 21.1.3	c3	c3	[26] 21.1.3	c3	c3
4	182 (Queued)	[26] 21.1.4	c3	c3	[26] 21.1.4	c3	c3
5	183 (Session Progress)	[26] 21.1.5	c3	c3	[26] 21.1.5	c3	c3
6	200 (OK)	[26] 21.2.1			[26] 21.2.1		
7	202 (Accepted)	[28] 8.3.1	c4	c4	[28] 8.3.1	c4	c4
8	300 (Multiple Choices)	[26] 21.3.1			[26] 21.3.1		
9	301 (Moved Permanently)	[26] 21.3.2			[26] 21.3.2		
10	302 (Moved Temporarily)	[26] 21.3.3			[26] 21.3.3		
11	305 (Use Proxy)	[26] 21.3.4			[26] 21.3.4		
12	380 (Alternative Service)	[26] 21.3.5			[26] 21.3.5		
13	400 (Bad Request)	[26] 21.4.1			[26] 21.4.1		
14	401 (Unauthorized)	[26] 21.4.2			[26] 21.4.2		
15	402 (Payment Required)	[26] 21.4.3			[26] 21.4.3		
16	403 (Forbidden)	[26] 21.4.4			[26] 21.4.4		
17	404 (Not Found)	[26] 21.4.5			[26] 21.4.5		
18	405 (Method Not Allowed)	[26] 21.4.6			[26] 21.4.6		
19	406 (Not Acceptable)	[26] 21.4.7			[26] 21.4.7		
20	407 (Proxy Authentication Required)	[26] 21.4.8			[26] 21.4.8		
21	408 (Request Timeout)	[26] 21.4.9			[26] 21.4.9		
22	410 (Gone)	[26] 21.4.10			[26] 21.4.10		
23	413 (Request Entity Too Large)	[26] 21.4.11			[26] 21.4.11		
24	414 (Request-URI Too Large)	[26] 21.4.12			[26] 21.4.12		
25	415 (Unsupported Media Type)	[26] 21.4.13			[26] 21.4.13		
26	416 (Unsupported URI Scheme)	[26] 21.4.14			[26] 21.4.14		
27	420 (Bad Extension)	[26] 21.4.15			[26] 21.4.15		
28	421 (Extension Required)	[26] 21.4.16			[26] 21.4.16		
29	423 (Interval Too Brief)	[26] 21.4.17	c5	c5	[26] 21.4.17	c6	c6

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
30	480 (Temporarily not available)	[26] 21.4.18			[26] 21.4.18		
31	481 (Call /Transaction Does Not Exist)	[26] 21.4.19			[26] 21.4.19		
32	482 (Loop Detected)	[26] 21.4.20			[26] 21.4.20		
33	483 (Too Many Hops)	[26] 21.4.21			[26] 21.4.21		
34	484 (Address Incomplete)	[26] 21.4.22			[26] 21.4.22		
35	485 (Ambiguous)	[26] 21.4.23			[26] 21.4.23		
36	486 (Busy Here)	[26] 21.4.24			[26] 21.4.24		
37	487 (Request Terminated)	[26] 21.4.25			[26] 21.4.25		
38	488 (Not Acceptable Here)	[26] 21.4.26			[26] 21.4.26		
39	489 (Bad Event)	[28] 7.3.2	c4	c4	[28] 7.3.2	c4	c4
40	491 (Request Pending)	[26] 21.4.27			[26] 21.4.27		
41	493 (Undecipherable)	[26] 21.4.28			[26] 21.4.28		
41A	494 (Security Agreement Required)	[38] 3	o	c7	[3] 3	o	n/a
42	500 (Internal Server Error)	[26] 21.5.1			[26] 21.5.1		
43	501 (Not Implemented)	[26] 21.5.2			[26] 21.5.2		
44	502 (Bad Gateway)	[26] 21.5.3			[26] 21.5.3		
45	503 (Service Unavailable)	[26] 21.5.4			[26] 21.5.4		
46	504 (Server Time-out)	[26] 21.5.5			[26] 21.5.5		
47	505 (Version not supported)	[26] 21.5.6			[26] 21.5.6		
48	513 (Message Too Large)	[26] 21.5.7			[26] 21.5.7		
49	580 (Precondition Failure)	[30] 8			[30] 8		
50	600 (Busy Everywhere)	[26] 21.6.1			[26] 21.6.1		
51	603 (Decline)	[26] 21.6.2			[26] 21.6.2		
52	604 (Does Not Exist Anywhere)	[26] 21.6.3			[26] 21.6.3		
53	606 (Not Acceptable)	[26] 21.6.4			[26] 21.6.4		
c1:	IF A.162/15 THEN m ELSE n/a - - stateful proxy.						
c2:	IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						
c3:	IF A.163/9 THEN m ELSE n/a - - INVITE response.						
c4:	IF A.162/27 THEN m ELSE n/a - - SIP specific event notification.						
c5:	IF A.163/19 OR A.163/21 THEN m ELSE n/a - - REGISTER response or SUBSCRIBE response.						
c6:	IF A.163/19 OR A.163/21 THEN i ELSE n/a - - REGISTER response or SUBSCRIBE response.						
c7:	IF A.3/2 THEN m ELSE n/a - - P-CSCF role.						

A.2.2.4.2 ACK method

Prerequisite A.163/1 - - ACK request

Table A.165: Supported headers within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
7	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
8	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
13	From	[26] 20.20	m	m	[26] 20.20	m	m
14	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
15	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
16	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
17	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
18	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
19	Route	[26] 20.34	m	m	[26] 20.34	m	m
20	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.					
c2:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c3:		IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.					
c4:		IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.					
c5:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

Editor's note: Is the following table a suitable way of showing the contents of message bodies.

Prerequisite A.163/1 - - ACK request

Table A.166: Supported message bodies within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.3 BYE method

Prerequisite A.163/2 - - BYE request

Table A.167: Supported headers within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
16	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
17	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
18	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
19	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
20	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
21	Route	[26] 20.34	m	m	[26] 20.34	m	m
22	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
23	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
24	To	[26] 20.39	m	m	[26] 20.39	m	m
25	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
26	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c4:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/2 - - BYE request

Table A.168: Supported message bodies within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.169: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.

Prerequisite A.163/3 - - BYE response

Table A.170: Supported headers within the BYE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c2
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c2
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c2
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c2
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c2
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i

c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.
c2: IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/6 - - 2xx

Table A.171: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
2	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i

c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.
c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.

Prerequisite A.163/3 - BYE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 -- 3xx or 485 (Ambiguous)

Table A.172: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.173: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.174: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.175: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.176: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.177: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.178: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.179: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Table A.180: Supported message bodies within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.4 CANCEL method

Prerequisite A.163/4 - - CANCEL request

Table A.181: Supported headers within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
9	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
10	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
15	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
16	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
17	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
18	Route	[26] 20.34	m	m	[26] 20.34	m	m
19	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
20	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/4 - - CANCEL request

Table A.182: Supported message bodies within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/5 - - CANCEL response

Table A.183: Supported headers within the CANCEL response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
7	To	[26] 20.39	m	m	[26] 20.39	m	m
7A	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Via	[26] 20.42	m	m	[26] 20.42	m	m
9	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.							

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/6 - - 200 (OK)

Table A.184: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.							
c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.							

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.185: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.							

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 500, 503, 600, 603

Table A.186: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 2418	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.187: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.188: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/5 - - CANCEL response

Table A.189: Supported message bodies within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.5 COMET method

Void

A.2.2.4.6 INFO method

Prerequisite A.163/6 - - INFO request

Table A.190: Supported headers within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m		[26] 20.8	m	
7	Contact	[26] 20.10	m	m	[26] 20.10	i	i
7A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c4
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c4
8A	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c4
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c4
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
15A	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
16	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
17	Priority	[26] 20.26	m	m	[26] 20.26	i	i
18	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c8	c8
19	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
20	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
21	Require	[26] 20.32	m	m	[26] 20.32	c4	c5
22	Route	[26] 20.34	m	m	[26] 20.34	m	m
23	Subject	[26] 20.36	m	m	[26] 20.36	i	i
24	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
25	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/6 - - INFO request

Table A.191: Supported message bodies within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.192: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						

Prerequisite A.163/7 - - INFO response

Table A.193: Supported headers within the INFO response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
2	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
2A	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
3	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
4	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
5	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
6	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
7	From	[26] 20.20	m	m	[26] 20.20	m	m
7A	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
8	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
8A	Server	[26] 20.35	m	m	[26] 20.35	i	i
9	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
10	To	[26] 20.39	m	m	[26] 20.39	m	m
10A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
11	Via	[26] 20.42	m	m	[26] 20.42	m	m
12	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c2:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c3:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/6 - - 2xx

Table A.194: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
4	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 - - 3xx

Table A.195: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
0B	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.162/19E THEN m ELSE i - deleting Contact headers-</p> <p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p>							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.196: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 2418	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
<p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p>							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.197: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p>							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.198: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.198A: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 2418	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.199: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	m	m	[26] 20.1	i	i
0B	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
0C	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
0D	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.200: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.201: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/35 - - 485 (Ambiguous)

Table A.202: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
0B	Contact	[26] 20.10	m	m	[26] 20.10	c4	c4
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Table A.203: Supported message bodies within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.7 INVITE method

Prerequisite A.163/8 - - INVITE request

Table A.204: Supported headers within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Alert-Info	[26] 20.4	c2	c2	[26] 20.4	c3	c3
5	Allow	[26] 20.5	m	m	[26] 20.5	i	i
6	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
7	Anonymity	[34] 5.2	o		[34] 5.2		
8	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
9	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
10	Call-Info	[26] 20.9	m	m	[26] 20.9	c12	c12
11	Contact	[26] 20.10	m	m	[26] 20.10	i	i
12	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c6
13	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c6
14	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c6
15	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
16	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c6
17	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
18	Date	[26] 20.17	m	m	[26] 20.17	c4	c4
19	Expires	[26] 20.19	m	m	[26] 20.19	i	i
20	From	[26] 20.20	m	m	[26] 20.20	m	m
21	In-Reply-To	[26] 20.21	m	m	[26] 20.21	i	i
22	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
23	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c6
24	Organization	[26] 20.25	m	m	[26] 20.25	c5	c5
25	P-Media-Authorization	[31] 6.1	c9	c10	[31] 6.1	n/a	n/a
26	Priority	[26] 20.26	m	m	[26] 20.26	i	i
27	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c13	c13
28	Proxy-Require	[26] 20.29, [34] 4	m	m	[26] 20.29, [34] 4	m	m
29	Record-Route	[26] 20.30	m	m	[26] 20.30	c11	c11
30	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
31	Reply-To	[26] 20.31	m	m	[26] 20.31	i	i
32	Require	[26] 20.32	m	m	[26] 20.32	c7	c7
33	Route	[26] 20.34	m	m	[26] 20.34	m	m
34	Subject	[26] 20.36	m	m	[26] 20.36	i	i
35	Supported	[26] 20.37	m	m	[26] 20.37	c8	c8
36	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
37	To	[26] 20.39	m	m	[26] 20.39	m	m
38	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
39	Via	[26] 20.42	m	m	[26] 20.42	m	m

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/10 THEN n/a ELSE m - - suppression or modification of alerting information data.						
c3:	IF A.162/10 THEN m ELSE i - - suppression or modification of alerting information data.						
c4:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c5:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c6:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c7:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c8:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c9:	IF A.162/26 THEN m ELSE n/a - - SIP extensions for media authorization.						
c10:	IF A.3/2 THEN m ELSE n/a - - P-CSCF.						
c11:	IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c12:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c13:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/8 - - INVITE request

Table A.205: Supported message bodies within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.206: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	c1	c1	[26] 20.17	c2	c2
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF (A.162/9 AND A.162/5) OR A.162/4 THEN m ELSE n/a - - stateful proxy behaviour that inserts date, or stateless proxies.						
c2:	IF A.162/4 THEN i ELSE m - - Stateless proxy passes on.						

Prerequisite A.163/9 - - INVITE response

Table A.207: Supported headers within the INVITE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
11	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
11A	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses. c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header. c3: IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF. c4: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.							

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/2 OR A.164/3 OR A.164/4 OR A.164/5 - - 1xx

Table A.208: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Contact	[26] 20.10	m	m	[26] 20.10	i	i
6	P-Media-Authorization	[31] 6.1	c9	c10	[31] 6.1	n/a	n/a
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
9	Rseq	[27] 7.1	m	m	[27] 7.1	i	i
11	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER. c9: IF A.162/26 THEN m ELSE n/a - - SIP extensions for media authorization. c10: IF A.3/2 THEN m ELSE n/a - - P-CSCF.							

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/6 - - 2xx

Table A.209: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
1A	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
1B	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Anonymity	[34] 5.2	o		[34] 5.2		
4	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
6	Contact	[26] 20.10	m	m	[26] 20.10	i	i
8	P-Media-Authorization	[31] 6.1	c9	c10	[31] 6.1	n/a	n/a
9	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
10	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
11	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
13	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c9:	IF A.162/26 THEN m ELSE n/a - - SIP extensions for media authorization.						
c10:	IF A.3/2 THEN m ELSE n/a - - P-CSCF.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.210: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.211: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	Te	[26] 20.39	m	m	[26] 20.39	m	m
15	WWW-Authenticate	[26] 20.44	o		[26] 20.44	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR ~~A.164/42 OR A.164/45~~ OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, ~~500, 503~~, 600, 603

Table A.212: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
12	Via	[26] 20.42	m	m	[26] 20.42	m	m
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.213: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m		[26] 20.5	m/o	
3	Anonymity	[34] 5.2	o		[34] 5.2	o	
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	From	[26] 20.20	m	m	[26] 20.20	m	m
10	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
11	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
13	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.214: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
7	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
11	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.215: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Anonymity	[34] 5.2	o		[34] 5.2		
6	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
8	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
9	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
11	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.216: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.217: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

[Prerequisite A.163/9 - - INVITE response](#)

[Prerequisite: A.164/42 - - 500 \(Server Internal Error\)](#)

[Table A.217A: Supported headers within the INVITE response](#)

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

[Prerequisite A.163/9 - - INVITE response](#)

[Prerequisite: A.164/45 - - 503 \(Service Unavailable\)](#)

Table A.217B: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Table A.218: Supported message bodies within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.7A MESSAGE method

Prerequisite A.163/9A - - MESSAGE request

Table A.218A: Supported headers within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
6	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
7	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
8	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
13	Expires	[26] 20.19	m	m	[26] 20.19	l	i
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	In-Reply-To	[26] 20.21	m	m	[50] 10	i	i

16	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
17	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
18	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
19	Priority	[26] 20.26	m	m	[26] 20.26	i	i
20 19	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c8	c8
21 0	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
22 4	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
23	Reply-To	[26] 20.31	m	m	[26] 20.31	i	i
24 2	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
25 3	Route	[26] 20.34	m	m	[26] 20.34	m	m
26 4	Subject	[26] 20.36	m	m	[26] 20.36	i	i
27 5	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
28 6	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
29 7	To	[26] 20.39	m	m	[26] 20.39	m	m
30 28	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
31 29	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.</p> <p>c2: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.</p> <p>c3: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.</p> <p>c4: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.</p> <p>c5: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p> <p>c6: IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.</p> <p>c7: IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.</p> <p>c8: IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.</p> <p>NOTE: c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.</p>							

Prerequisite A.163/9A - - MESSAGE request

Table A.218B: Supported message bodies within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/9B - - MESSAGE response

Table A.218C: Supported headers within the MESSAGE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Call-Info	[26] 20.9	m	m	[26] 20.9	c3	c3
3	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
4	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
5	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
10	From	[26] 20.20	m	m	[26] 20.20	m	m
11	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
12	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
13	Server	[26] 20.35	m	m	[26] 20.35	i	i
14	Timestamp	[26] 20.38	i	i	[26] 20.38	i	i
15	To	[26] 20.39	m	m	[26] 20.39	m	m
16	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
17	Via	[26] 20.42	m	m	[26] 20.42	m	m
18	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c2:		IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.					
c3:		IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/6 - - 2xx

Table A.218D: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
3	From	[26] 20.20	m	m	[26] 20.20	m	m
4	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c3:		IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.218E: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.218F: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.218G: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.218H: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.218I: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.218J: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[50] 10	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.218K: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.218L: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Contact	[26] 20.10	e		[26] 20.10	e	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Table A.218M: Supported message bodies within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.8 NOTIFY method

Prerequisite A.163/10 - - NOTIFY request

Table A.219: Supported headers within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	From	[26] 20.20	m	m	[26] 20.20	m	m
16	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
17	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
18	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
19	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
20	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
21	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
22	Route	[26] 20.34	m	m	[26] 20.34	m	m
23	Subscription-State	[28] 8.2.3	m	m	[28] 8.2.3	i	i
24	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
25	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.					
c2:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c4:		IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.					
c5:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c6:		IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.					
c7:		IF A.162/14 THEN (IF A.162/22 OR A.162/27 THEN m ELSE o) ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog or (the REFER method or SIP specific event notification).					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

Prerequisite A.163/10 - - NOTIFY request

Table A.220: Supported message bodies within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	sipfrag	[37] 2	m	m	[37] 2	i	i

Prerequisite A.163/11 - - NOTIFY response

Table A.221: Supported headers within the NOTIFY response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/6 AND A.164/7 - - 2xx

Table A.222: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
1A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
2	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c3:		IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.					

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.223: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.224: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.225: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.226: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.227: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.228: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.229: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.230: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/39 - - 489 (Bad Event)

Table A.231: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c3	c3
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/11 - - NOTIFY response

Table A.232: Supported message bodies within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.9 OPTIONS method

Prerequisite A.163/12 - - OPTIONS request

Table A.233: Supported headers within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
8	Contact	[26] 20.10	m	m	[26] 20.10	i	i
9	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
10	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
11	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
18	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
19	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
20	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c8	c8
21	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
22	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
23	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
24	Route	[26] 20.34	m	m	[26] 20.34	m	m
25	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
26	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1: IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.
 c2: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.
 c3: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.
 c4: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.
 c5: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.
 c6: IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.
 c7: IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.
 c8: IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.
 NOTE: c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.

Prerequisite A.163/12 - - OPTIONS request

Table A.234: Supported message bodies within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.235: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.

Prerequisite A.163/13 - - OPTIONS response

Table A.236: Supported headers within the OPTIONS response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c3	c3
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
11	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
11A	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	m	m	[26] 20.43	i	i

c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.
c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.
c3: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/6 - - 2xx

Table A.237: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
5	Contact	[26] 20.10	m	m	[26] 20.10	i	i
6	From	[26] 20.20	m	m	[26] 20.20	m	m
9	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
10	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
12	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.238: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.239: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.240: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.241: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.242: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.243: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.244: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.245: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Table A.246: Supported message bodies within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.10 PRACK method

Prerequisite A.163/14 - - PRACK request

Table A.247: Supported headers within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
16	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
17	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
18	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
19	RAck	[27] 7.2	m	m	[27] 7.2	i	i
20	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
21	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
22	Route	[26] 20.34	m	m	[26] 20.34	m	m
23	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
24	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
25	To	[26] 20.39	m	m	[26] 20.39	m	m
26	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
27	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c4:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN 0 ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/14 - - PRACK request

Table A.248: Supported message bodies within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.249: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						

Prerequisite A.163/15 - - PRACK response

Table A.250: Supported headers within the PRACK response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c2
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c2
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c2
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c2
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c2
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c2:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/6 - - 2xx

Table A.251: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
0B	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
1	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.252: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.253: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.254: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.255: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.256: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.257: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.258: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.259: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Table A.260: Supported message bodies within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.11 REFER method

Prerequisite A.163/16 - - REFER request

Table A.261: Supported headers within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	m	m	[26] 20.1	i	i
0B	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
1	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
1A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Contact	[26] 20.10	m	m	[26] 20.10	i	i
5A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
5B	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
5C	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
10	Expires	[26] 20.19	m	m	[26] 20.19	i	i
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
13	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
14	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
15	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
16	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
17	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
18	Refer-To	[36] 3	c3	c3	[36] 3	c4	c4
19	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
20	Route	[26] 20.34	m	m	[26] 20.34	m	m
20A	Subject	[26] 20.36	m	m	[26] 20.36	i	i
21	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
22	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
23	To	[26] 20.39	m	m	[26] 20.39	m	m
24	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
25	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/16 - - REFER request

Table A.262: Supported message bodies within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.263: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.							

Prerequisite A.163/17 - - REFER response

Table A.264: Supported headers within the REFER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
2	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
3	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
4	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
5	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
6	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
7	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
8	From	[26] 20.20	m	m	[26] 20.20	m	m
9	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
10	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.							
c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.							

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/7 - - 202 (Accepted)

Table A.265: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	i	i
5	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.266: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 - - 401 (Unauthorized)

Table A.267: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.268: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.269: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.270: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.271: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.272: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.273: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Table A.274: Supported message bodies within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.12 REGISTER method

Prerequisite A.163/18 - - REGISTER request

Table A.275: Supported headers within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	m	m	[26] 20.9	c2	c2
8	Contact	[26] 20.10	m	m	[26] 20.10	i	i
9	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
10	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
11	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	m	m	[26] 20.17	m	m
16	Expires	[26] 20.19	m	m	[26] 20.19	i	i
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
19	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
20	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
20A	Path	[35] 4.2	c6	c6	[35] 4.2	c6	c6
21	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c7	c7
22	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
23	Require	[26] 20.32	m	m	[26] 20.32	c4	c4
24	Route	[26] 20.34	m	m	[26] 20.34	m	m
25	Supported	[26] 20.37	m	m	[26] 20.37	c5	c5
26	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c5:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c6:	IF A.162/29 THEN m ELSE n/a - - PATH header support.						
c7:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/18 - - REGISTER request

Table A.276: Supported message bodies within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.277: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	m	m
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m

Prerequisite A.163/19 - - REGISTER response

Table A.278: Supported headers within the REGISTER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c2	c2
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
11	Organization	[26] 20.25	m	m	[26] 20.25	c1	c1
11A	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c2:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/6 - - 2xx

Table A.279: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
1A	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
1B	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
5	Contact	[26] 20.10	m	m	[26] 20.10	i	i
6	Path	[35] 4.2	c3	c3	[35] 4.2	c4	c4
7	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Service-Route	[38] 6	c5	c5	[38] 6	c6	c7
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c2:	IF A.3/2 OR A.3/3A THEN m ELSE n/a - - P-CSCF or I-CSCF (THIG).						
c3:	IF A.162/29 THEN m ELSE n/a - - Path extension support.						
c4:	IF A.162/29 THEN i ELSE n/a - - Path extension support.						
c5:	IF A.162/32 THEN m ELSE n/a - - Service-Route extension support.						
c6:	IF A.162/32 THEN i ELSE n/a - - Service-Route extension support.						
c7:	IF A.162/32 THEN (IF A.3/2 THEN m ELSE i) ELSE n/a - - Service-Route extension and P-CSCF.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.280: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	c2	c2
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c2:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.281: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c1: IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.							

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.282: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
6	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1: IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.							

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.283: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1: IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.							

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.284: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.285: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.286: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/17 THEN m ELSE i						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/29 - - 423 (Interval Too Brief)

Table A.287: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	o		[26] 20.18	o	
5	Min-Expires	[26] 20.23	m	m	[26] 20.23	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.288: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Table A.289: Supported message bodies within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.13 SUBSCRIBE method

Prerequisite A.163/20 - - SUBSCRIBE request

Table A.290: Supported headers within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	Expires	[26] 20.19	m	m	[26] 20.19	i	i
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
18	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
18A	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
19	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
20	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
21	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
22	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
23	Route	[26] 20.34	m	m	[26] 20.34	m	m
24	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
25	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.					
c2:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c3:		IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.					
c4:		IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.					
c5:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c6:		IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.					
c7:		IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

Prerequisite A.163/20 - - SUBSCRIBE request

Table A.291: Supported message bodies within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/21 - - SUBSCRIBE response

Table A.292: Supported headers within the SUBSCRIBE response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
10A	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
10B	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c2:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/6 AND A.164/7 - - 2xx

Table A.293: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
1A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
2	Expires	[26] 20.19	m	m	[26] 20.19	i	i
3	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.294: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.295: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR ~~A.164/45~~ OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, ~~503~~, 600, 603

Table A.296: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.297: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.298: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.299: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.300: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/29 - - 423 (Interval Too Brief)

Table A.301: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	e m	m	[26] 20.18	e i	i
2	Min-Expires	[26] 20.23	m	m	[26] 20.23	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.302: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/39 - - 489 (Bad Event)

Table A.303: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c3	c3
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

[Prerequisite A.163/21 - - SUBSCRIBE response](#)

[Prerequisite: A.164/45 - - 503 \(Service Unavailable\)](#)

Table A.303A: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c3	c3
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Table A.304: Supported message bodies within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.14 UPDATE method

Prerequisite A.163/22 - - UPDATE request

Table A.305: Supported headers within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
6	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
7	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Call-Info	[26] 20.9	m	m	[26] 20.9	c8	c8
9	Contact	[26] 20.10	m	m	[26] 20.10	i	i
10	Content-Disposition	[26] 20.11	m	m	[26] 20.11	c4	c4
11	Content-Encoding	[26] 20.12	m	m	[26] 20.12	c4	c4
12	Content-Language	[26] 20.13	m	m	[26] 20.13	c4	c4
13	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
14	Content-Type	[26] 20.15	m	m	[26] 20.15	c4	c4
15	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
16	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
19	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c4
20	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
21	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c9	c9
22	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
23	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
24	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
25	Route	[26] 20.34	m	m	[26] 20.34	m	m
26	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
27	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
28	To	[26] 20.39	m	m	[26] 20.39	m	m
29	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
30	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c9:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/22 - - UPDATE request

Table A.306: Supported message bodies within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/22 - - UPDATE response

Table A.307: Supported headers within the UPDATE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
10A	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
10B	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses. c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header. c3: IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF. c4: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.							

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/6 - - 2xx

Table A.308: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	m	m	[26] 20.1	i	i
0B	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
0C	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER. c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.							

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 - - 3xx

Table A.309: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	From	[26] 20.20	m	m	[26] 20.20	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.309A: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.310: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.311: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.312: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.313: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
6	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.314: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: ~~A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR~~ A.164/35 - - ~~3xx or~~ 485 (Ambiguous)

Table A.315: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Table A.316: Supported message bodies within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 293** ⌘ rev **1** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Network asserted identity procedure corrections for the UE		
Source:	⌘ Lucent Technologies		
Work item code:	⌘ IMS-CCR	Date:	⌘ 03/01/2003
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change: ⌘	<ul style="list-style-type: none"> Where the UE indicates privacy, this is restricted to the P-Asserted-Identity header. The more general provisions of RFC 3323 do not apply in release 5. Firstly, the restriction to this header is given by the privacy RFC, but with an additional reference to RFC 3325 which specifies the type required to indicate the id privacy. This additional reference is missing in clause 5.1.2A.2. Secondly, previous CRs changed the reference header to the P-Preferred-Identity, which is incorrect in this case. The P-Preferred header may provide a hint to the P-CSCF, but the privacy indication to the P-CSCF is totally independent of whether that header is provided or not, and is applied to the P-Asserted-Identity header generated by the P-CSCF. Additionally two portions of the change to note 2 in clause 5.1.2A.1 agreed in CR282 to 24.229 (N1-022370) was omitted when the CR was incorporated. This results in the note having the opposite meaning to that intended. This CR reinstates that change.
Summary of change: ⌘	<ul style="list-style-type: none"> The text introducing the privacy in 5.1.2A.1 and 5.1.2A.2 are aligned, such that they refer to the P-Asserted-Identity header generated by the P-CSCF, rather than the P-Preferred-Identity, and a reference is included to RFC 3325 in addition to RFC 3323. Changes omitted from the implementation of CR282 to 24.229 are applied to Note 2 of clause 5.1.2A.1.
Consequences if not approved: ⌘	⌘ Incorrect procedures relating to privacy.

Clauses affected:	⌘	5.1.2A.1, 5.1.2A.2										
Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N		X		X		X	Other core specifications	⌘
		Y	N									
			X									
	X											
	X											
	Test specifications											
	O&M Specifications											
Other comments:	⌘											

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.2A Generic procedures applicable to all methods

5.1.2A.1 Mobile-originating case

In accordance with RFC 3325 [34] the UE may insert a P-Preferred-Identity header in any initial request for a dialog or request for a standalone transaction as a hint for creation of an asserted identity within the IM CN subsystem. The UE may include any of the following in the P-Preferred-Identity header:

- a public user identity stored in the USIM which has been registered by the user;
- a public user identity returned in a registration-state event package of a NOTIFY request as a result of an implicit registration that was not subsequently deregistered or has expired; or
- any other public user identity which the user has assumed by mechanisms outside the scope of this specification to have a current registration.

NOTE 1: The temporary public user identity specified in subclause 5.1.1.1 is not a public user identity suitable for use in the P-Preferred-Identity header.

Where privacy is required, in any initial request for a dialog or request for a standalone transaction, the UE shall set the From header to "Anonymous".

NOTE 2: The contents of the From header ~~are~~ [should not be relied upon to be](#) modified by the network based on any privacy specified by the user either within the UE indication of privacy or by network subscription or network policy. Therefore the user should include the value "Anonymous" whenever privacy is ~~not~~ explicitly required. As the user may well have privacy requirements, terminal manufacturers should not automatically derive and include values in this header from the public user identity or other values stored in the USIM. Where the user has not expressed a preference in the configuration of the terminal implementation, the implementation should assume that privacy is required. Users that require to identify themselves, and are making calls to SIP destinations beyond the IM CN subsystem, where the destination does not implement RFC 3325 [34], will need to include a value in the From header other than Anonymous.

The UE can indicate privacy of the P-~~Preferred~~[Asserted](#)-Identity [that will be generated by the P-CSCF](#) in accordance with RFC 3323 [33], and the additional requirements contained within RFC 3325 [34].

The UE shall insert a P-Access-Network-Info header into any request for a dialog, any subsequent request or response within a dialog or any request for a standalone method. This header shall contain information concerning the access network technology and, if applicable, the cell ID (see subclause 7.2.3).

The UE shall build a proper preloaded Route header value for all new dialogs and standalone transactions. The UE shall build a list of Route header values made out of, in this order, the P-CSCF URI (learnt through the P-CSCF discovery procedures) and the values received in the Service-Route header saved from the 200 (OK) response to the last registration or re-registration.

5.1.2A.2 Mobile-terminating case

The UE can indicate privacy of the P-~~Preferred~~[Asserted](#)-Identity [that will be generated by the P-CSCF](#) in accordance with RFC 3323 [33], [and the additional requirements contained within RFC 3325 \[34\]](#).

NOTE 1: In the mobile-terminating case, this version of the document makes no provision for the UE to provide an P-Preferred-Identity in the form of a hint.

The UE shall insert a P-Access-Network-Info header into any response to a request for a dialog, any subsequent request or response within a dialog or any response to a standalone method. This header shall contain information concerning the access network technology and, if applicable, the cell ID (see subclause 7.2.3).

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 294** ⌘ rev **1** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Asserted identity inclusion in SIP profile ⌘		
Source:	⌘ Lucent Technologies, Ericsson ⌘		
Work item code:	⌘ IMS-CCR ⌘	Date:	⌘ 24/12/2002 ⌘
Category:	⌘ F ⌘	Release:	⌘ Rel-5 ⌘
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ Currently the SIP profile in Annex A refers only to the Anonymity header and the Remote-Party-ID header, which are both obsolete. These headers need replacing with the headers defined in RFC 3325 (May 2002): "Private Extensions to the Session Initiation Protocol (SIP) for Network Asserted Identity within Trusted Networks" and RFC 3323 (May 2002): "A Privacy Mechanism for the Session Initiation Protocol (SIP)". ⌘
Summary of change:	⌘ <ol style="list-style-type: none"> 1. Creation of a new role which indicates an entity within the trusted network. 2. Minor changes to the wording of the major capability relating to the asserted identity extension in order to align with the title of the RFC. 3. Creation of a new proxy major capability relating to whether the proxy is the first entity in the trust domain. 4. Inclusion of the P-Preferred-Identity header as summarised in N1-030015. 5. Inclusion of the P-Asserted-Identity header as summarised in N1-030014. 6. Inclusion of the Privacy header as summarised in N1-030016. 7. The Anonymity header rows are removed throughout. 8. The Remote-Party-ID header rows are removed throughout. ⌘
Consequences if not approved:	⌘ A profile dependent on headers created by obsolete specifications, and missing headers that are used in the main body of 24.229 ⌘

Clauses affected:	⌘ A.2 ⌘						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						

O&M Specifications

Other comments: ☞

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- 1) Fill out the above form. The symbols above marked ☞ contain pop-up help information about the field that they are closest to.
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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

A.2 Profile definition for the Session Initiation Protocol as used in the present document

A.2.1 User agent role

A.2.1.1 Introduction

This subclause contains the ICS proforma tables related to the user role. They need to be completed only for UA implementations:

Prerequisite: A.2/1 - - user agent role.

A.2.1.2 Major capabilities

Table A.4: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for registration?	[26] subclause 10.2	m	c3
2	registrar?	[26] subclause 10.3	o	c4
3	client behaviour for INVITE requests?	[26] subclause 13.2	m	o
4	server behaviour for INVITE requests?	[26] subclause 13.3	m	o
5	session release?	[26] subclause 15.1	m	c1
6	timestamping of requests?	[26] subclause 8.2.6.1	o	o
7	authentication between UA and UA?	[26] subclause 22.2	o	o
8	authentication between UA and registrar?	[26] subclause 22.2	o	n/a
8A	authentication between UA and proxy?	[26] 20.28, 22.3	o	o
9	server handling of merged requests due to forking	[26] 8.2.2.2	m	m
10	client handling of multiple responses due to forking	[26] 13.2.2.4	m	m
11	insertion of date in requests and responses?	[26] subclause 20.17	o	o
12	downloading of alerting information?	[26] subclause 20.4	o	o
	Extensions			
13	The SIP INFO method?	[25]	o	n/a
14	Reliability of provisional responses in SIP?	[27]	o	m
15	the REFER method?	[36]	o	o
16	Integration of resource management and SIP?	[30]	o	m
17	the SIP UPDATE method	[29]	c5	m
19	SIP extensions for media authorization?	[31]	o	m
20	SIP specific event notification	[28]	o	o
21	the use of NOTIFY to establish a dialog	[28] 4.2	o	n/a
22	acting as the notifier of event information	[28]	c2	c2
23	acting as the recipient of event information	[28]	c2	c2
24	Session Initiation Protocol Extension Header Field for Registering Non-Adjacent Contacts	[35]	o	c6
25	private extensions to the Session Initiation Protocol (SIP) for Network Asserted-asserted Identity-identity within Trusted-trusted Networksnetworks	[34]	o	m
26	a Privacy-privacy Mechanism mechanism for the Session Initiation Protocol (SIP)	[33]	o	m
26A	request of privacy by the inclusion of a Privacy header	[33]	c9	c11
26B	application of privacy based on the received Privacy header	[33]	c9	n/a
26C	passing on of the Privacy header transparently	[33]	c9	c12
26D	application of the privacy option "header" such that those headers which cannot be completely expunged of identifying information without the assistance of intermediaries are obscured?	[33] 5.1	c10	
26E	application of the privacy option "session" such that anonymization for the session(s) initiated by this message occurs?	[33] 5.2	c10	

26F	application of the privacy option "user" such that user level privacy functions are provided by the network?	[33] 5.3	c10	
26G	application of the privacy option "id" such that privacy of the network asserted identity is provided by the network?	[34] 7	c10	n/a
27	a messaging mechanism for the Session Initiation Protocol (SIP)	[50]	o	c7
28	Session Initiation Protocol Extension Header Field for Service Route Discovery During Registration	[38]	o	m
29	Compressing the Session Initiation Protocol	[55]	o	c8
<p>c1: IF A.4/3 OR A.4/4 THEN m ELSE o - - client behaviour or server behaviour for INVITE requests. c2: IF A.4/20 THEN o.1 ELSE n/a - - SIP specific event notification extension. c3: IF A.3/1 OR A.3/4 THEN m ELSE n/a - - UA or S-CSCF functional entity. c4: IF A.3/4 OR A.3/7 THEN m ELSE n/a - - S-CSCF or AS functional entity. c5: IF A.4/16 THEN m ELSE o - - integration of resource management and SIP extension. c6: IF A.3/4 OR A.3/1 THEN m ELSE n/a. - - S-CSCF or UE. c7: IF A.3/1 OR A.3/7B OR A.3/7D THEN m ELSE n/a - - UE or AS acting as originating UA, or AS performing 3rd party call control c8: IF A.3/1 THEN m ELSE n/a - - UE behaviour. c9: IF A.4/26 THEN o.2 ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP). c10: IF A.4/26B THEN o.3 ELSE n/a - - application of privacy based on the received Privacy header. c11: IF A.3/1 OR A.3/6 THEN o ELSE n/a - - UE or MGCF. c12: IF A.3/7D THEN m ELSE n/a - - AS performing 3rd-party call control. o.1: At least one of these capabilities is supported. o.2: At least one of these capabilities is supported. o.3: At least one of these capabilities is supported.</p>				

A.2.1.3 PDUs

Table A.5: Supported methods

Item	PDU	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	ACK request	[26] 13	m	m	[26] 13	m	m
2	BYE request	[26] 15.1	o		[26] 15.1	o	
3	BYE response	[26] 15.1	o		[26] 15.1	o	
4	CANCEL request	[26] 9	o		[26] 9	o	
5	CANCEL response	[26] 9	o		[26] 9	o	
6	INFO request	[25] 2	c2	n/a	[25] 2	c2	n/a
7	INFO response	[25] 2	c2	n/a	[25] 2	c2	n/a
8	INVITE request	[26] 13	m	m	[26] 13	m	m
9	INVITE response	[26] 13	m	m	[26] 13	m	m
9A	MESSAGE request	[50] 4	c7	c7	[50] 7	c7	c7
9B	MESSAGE response	[50] 4	c7	c7	[50] 7	c7	c7
10	NOTIFY request	[28] 8.1.2	c4	c4	[28] 8.1.2	c3	c3
11	NOTIFY response	[28] 8.1.2	c3	c3	[28] 8.1.2	c4	c4
12	OPTIONS request	[26] 11	m	m	[26] 11	m	m
13	OPTIONS response	[26] 11	m	m	[26] 11	m	m
14	PRACK request	[27] 6	c5	c5	[27] 6	c5	c5
15	PRACK response	[27] 6	c5	c5	[27] 6	c5	c5
16	REFER request	[36] 3	c1	c1	[36] 3	c1	c1
17	REFER response	[36] 3	c1	c1	[36] 3	c1	c1
18	REGISTER request	[26] 10	o		[26] 10	n/a	
19	REGISTER response	[26] 10	n/a		[26] 10	m	
20	SUBSCRIBE request	[28] 8.1.1	c3	c3	[28] 8.1.1	c4	c4
21	SUBSCRIBE response	[28] 8.1.1	c4	c4	[28] 8.1.1	c3	c3
22	UPDATE request	[30] 6.1	c6	c6	[30] 6.2	c6	c6
23	UPDATE response	[30] 6.2	c6	c6	[30] 6.1	c6	c6
c1: IF A.4/15 THEN m ELSE n/a -- the REFER method extension. c2: IF A.4/13 THEN m ELSE n/a -- the SIP INFO method extension. c3: IF A.4/23 THEN m ELSE n/a -- recipient for event information. c4: IF A.4/22 THEN m ELSE n/a -- notifier of event information. c5: IF A.4/14 THEN m ELSE n/a -- reliability of provisional responses extension. c6: IF A.4/17 THEN m ELSE n/a -- the SIP update method extension. c7: IF A.4/27 THEN m ELSE n/a -- the SIP MESSAGE method.							

Editor's note: Optional status of BYE in RFC status is given because RFC states SHOULD (client and server).

Editor's note: Optional status of REGISTER in RFC status is given because RFC states RECOMMENDED (client); for the UAS, not statement is made, but it is assumed that this therefore means n/a.

A.2.1.4 PDU parameters

A.2.1.4.1 Status-codes

Table A.6: Supported status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	100 (Trying)	[26] 21.1.1	n/a	n/a	[26] 21.1.1	m	m
2	180 (Ringing)	[26] 21.1.2	c2	c2	[26] 21.1.2	c1	c1
3	181 (Call Is Being Forwarded)	[26] 21.1.3	c2	c2	[26] 21.1.3	c1	c1
4	182 (Queued)	[26] 21.1.4	c2	c2	[26] 21.1.4	c1	c1
5	183 (Session Progress)	[26] 21.1.5	c1	c1	[26] 21.1.5	c1	c1
6	200 (OK)	[26] 21.2.1			[26] 21.2.1		
7	202 (Accepted)	[28] 8.3.1	c3	c3	[28] 8.3.1	c3	c3
8	300 (Multiple Choices)	[26] 21.3.1			[26] 21.3.1		
9	301 (Moved Permanently)	[26] 21.3.2			[26] 21.3.2		
10	302 (Moved Temporarily)	[26] 21.3.3			[26] 21.3.3		
11	305 (Use Proxy)	[26] 21.3.4			[26] 21.3.4		
12	380 (Alternative Service)	[26] 21.3.5			[26] 21.3.5		
13	400 (Bad Request)	[26] 21.4.1			[26] 21.4.1		
14	401 (Unauthorized)	[26] 21.4.2			[26] 21.4.2		
15	402 (Payment Required)	[26] 21.4.3			[26] 21.4.3		
16	403 (Forbidden)	[26] 21.4.4			[26] 21.4.4		
17	404 (Not Found)	[26] 21.4.5			[26] 21.4.5		
18	405 (Method Not Allowed)	[26] 21.4.6			[26] 21.4.6		
19	406 (Not Acceptable)	[26] 21.4.7			[26] 21.4.7		
20	407 (Proxy Authentication Required)	[26] 21.4.8			[26] 21.4.8		
21	408 (Request Timeout)	[26] 21.4.9			[26] 21.4.9		
22	410 (Gone)	[26] 21.4.10			[26] 21.4.10		
23	413 (Request Entity Too Large)	[26] 21.4.11			[26] 21.4.11		
24	414 (Request-URI Too Large)	[26] 21.4.12			[26] 21.4.12		
25	415 (Unsupported Media Type)	[26] 21.4.13			[26] 21.4.13		
26	416 (Unsupported URI Scheme)	[26] 21.4.14			[26] 21.4.14		
27	420 (Bad Extension)	[26] 21.4.15			[26] 21.4.15		
28	421 (Extension Required)	[26] 21.4.16			[26] 21.4.16		
29	423 (Interval Too Brief)	[26] 21.4.17	c4	c4	[26] 21.4.17	m	m
30	480 (Temporarily Unavailable)	[26] 21.4.18			[26] 21.4.18		
31	481 (Call/Transaction Does Not Exist)	[26] 21.4.19			[26] 21.4.19		
32	482 (Loop Detected)	[26] 21.4.20			[26] 21.4.20		
33	483 (Too Many Hops)	[26] 21.4.21			[26] 21.4.21		
34	484 (Address Incomplete)	[26] 21.4.22			[26] 21.4.22		
35	485 (Ambiguous)	[26] 21.4.23			[26] 21.4.23		
36	486 (Busy Here)	[26] 21.4.24			[26] 21.4.24		
37	487 (Request Terminated)	[26] 21.4.25			[26] 21.4.25		
38	488 (Not Acceptable Here)	[26] 21.4.26			[26] 21.4.26		
39	489 (Bad Event)	[28] 7.3.2	c3	c3	[28] 7.3.2	c3	c3
40	491 (Request Pending)	[26] 21.4.27			[26] 21.4.27		
41	493 (Undecipherable)	[26] 21.4.28			[26] 21.4.28		
41A	494 (Security Agreement Required)	[38] 3	o	n/a	[3] 3	o	m
42	500 (Internal Server Error)	[26] 21.5.1			[26] 21.5.1		
43	501 (Not Implemented)	[26] 21.5.2			[26] 21.5.2		
44	502 (Bad Gateway)	[26] 21.5.3			[26] 21.5.3		
45	503 (Service Unavailable)	[26] 21.5.4			[26] 21.5.4		
46	504 (Server Time-out)	[26] 21.5.5			[26] 21.5.5		

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
47	505 (Version not supported)	[26] 21.5.6			[26] 21.5.6		
48	513 (Message Too Large)	[26] 21.5.7			[26] 21.5.7		
49	580 (Precondition Failure)						
50	600 (Busy Everywhere)	[26] 21.6.1			[26] 21.6.1		
51	603 (Decline)	[26] 21.6.2			[26] 21.6.2		
52	604 (Does Not Exist Anywhere)	[26] 21.6.3			[26] 21.6.3		
53	606 (Not Acceptable)	[26] 21.6.4			[26] 21.6.4		
c1:	IF A.5/9 THEN m ELSE n/a - - INVITE response.						
c2:	IF A.5/9 THEN o ELSE n/a - - INVITE response.						
c3:	IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.						
c4:	IF A.5/19 OR A.5/21 THEN m ELSE n/a - - REGISTER response or SUBSCRIBE response.						

A.2.1.4.2 ACK method

Prerequisite A.5/1 – ACK request

Table A.7: Supported headers within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
3	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
7	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
8	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
13	From	[26] 20.20	m	m	[26] 20.20	m	m
14	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
15	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
15A	Privacy	[33] 4.2	c6	n/a	[33] 4.2	c6	n/a
16	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
17	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
18	Require	[26] 20.32	o	o	[26] 20.32	m	m
19	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
20	Timestamp	[26] 20.38	c7	c7	[26] 20.38	m	m
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	o	o	[26] 20.41	m	m
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.						
c2:	IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.						
c3:	IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.						
c4:	IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.						
c5:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						
c6:	IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c7:	IF A.4/6 THEN o ELSE n/a - - timestamping of requests.						

Editor's note: Is the following table a suitable way of showing the contents of message bodies.

Prerequisite A.5/1 – ACK request

Table A.8: Supported message bodies within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.3 BYE method

Prerequisite A.5/2 - - BYE request

Table A.9: Supported headers within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
16	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
16A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c6	c6
16B	P-Preferred-Identity	[34] 9.2	c6	x	[34] 9.2	n/a	n/a
16C	Privacy	[33] 4.2	c7	n/a	[33] 4.2	c7	c7
17	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
18	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
19	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
20	Require	[26] 20.32	o	o	[26] 20.32	m	m
21	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
22	Supported	[26] 20.37	o	o	[26] 20.37	m	m
23	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
24	To	[26] 20.39	m	m	[26] 20.39	m	m
25	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
26	Via	[26] 20.42	m	m	[20] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c6:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c7:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c8:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/2 - - BYE request

Table A.10: Supported message bodies within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.11: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/3 - - BYE response

Table A.12: Supported headers within the BYE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
16A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
10B	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a
10C	Privacy	[33] 4.2	c4	n/a	[33] 4.2	c4	c4
10DA	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests. c3: IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c4: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/6 - - 2xx

Table A.13: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA. c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.14: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
0B	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.15: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.16: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.17: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/19 - - 407 (Proxy Authentication Required)

Table A.18: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/3 - - BYE response

Prerequisite A.6/25 - - 415 (Unsupported Media Type)

Table A.19: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.20: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/3 - - BYE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.21: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/3 - - BYE response

Table A.22: Supported message bodies within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.4 CANCEL method

Prerequisite A.5/4 - - CANCEL request

Table A.23: Supported headers within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
9	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
10	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
14	Privacy	[33] 4.2	c6	n/a	[33] 4.2	c6	n/a
15	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
16	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
17	Require	[26] 20.32	o	o	[26] 20.32	m	m
18	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
19	Supported	[26] 20.37	o	o	[26] 20.37	m	m
20	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	o		[26] 20.41	o	
23	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.
 c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.
 c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.
 c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.
[c6: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol \(SIP\).](#)
 c8: IF A.4/6 THEN o ELSE n/a - - timestamping of requests.

Prerequisite A.5/4 - - CANCEL request

Table A.24: Supported message bodies within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/5 - - CANCEL response

Table A.25: Supported headers within the CANCEL response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
5	From	[26] 20.20	m	m	[26] 20.20	m	m
5A	Privacy	[33] 4.2	c3	n/a	[33] 4.2	c3	n/a
6	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
7	To	[26] 20.39	m	m	[26] 20.39	m	m
7A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
8	Via	[26] 20.42	m	m	[26] 20.42	m	m
9	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/6 - - 200 (OK)

Table A.26: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.27: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 500, 503, 600, 603

Table A.28: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.29: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/5 - - CANCEL response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.30: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/5 - - CANCEL response

Table A.31: Supported message bodies within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.5 COMET method

Void

A.2.1.4.6 INFO method

Prerequisite A.5/6 - - INFO request

Table A.32: Supported headers within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Contact	[26] 20.10	o	o	[26] 20.10	o	o
7A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
8A	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
15A	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
16	Organization	[26] 20.25	o	o	[26] 20.25	o	o
17	Priority	[26] 20.26	o	o	[26] 20.26	o	o
17A	Privacy	[33] 4.2	c6	n/a	[33] 4.2	c6	n/a
18	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
19	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
20	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
21	Require	[26] 20.32	o	o	[26] 20.32	m	m
22	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
23	Subject	[26] 20.36	o	o	[26] 20.36	o	o
24	Supported	[26] 20.37	o	o	[26] 20.37	m	m
25	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c6:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c8:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/6 - - INFO request

Table A.33: Supported message bodies within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.34: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/7 - - INFO response

Table A.35: Supported headers within the INFO response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
2	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
2A	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
3	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
4	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
5	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
6	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
7	From	[26] 20.20	m	m	[26] 20.20	m	m
7A	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
8	Organization	[26] 20.25	o	o	[26] 20.25	m	m
8A	Privacy	[33] 4.2	c6	n/a	[33] 4.2	c6	n/a
8BA	Server	[26] 20.35	o	o	[26] 20.35	o	o
9	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
10	To	[26] 20.39	m	m	[26] 20.39	m	m
10A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
11	Via	[26] 20.42	m	m	[26] 20.42	m	m
12	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/6 - - 2xx

Table A.36: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 - - 3xx

Table A.37: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.38: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.39: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.40: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/14 - - 407 (Proxy Authentication Required)

Table A.40A: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.41: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
0B	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
0C	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
0D	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.42: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.43: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/35 - - 485 (Ambiguous")

Table A.44: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/7 - - INFO response

Table A.45: Supported message bodies within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.7 INVITE method

Prerequisite A.5/8 - - INVITE request

Table A.46: Supported headers within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
4	Alert-Info	[26] 20.4	o	o	[26] 20.4	c1	c1
5	Allow	[26] 20.5, [26] 5.1	o (note 1)	o	[26] 20.5, [26] 5.1	m	m
6	Allow-Events	[28] 8.2.2	c2	c2	[28] 8.2.2	c2	c2
7	Anonymity	[34] 5.2	e		[34] 5.2		
8	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
9	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
10	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
11	Contact	[26] 20.10	m	m	[26] 20.10	m	m
12	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
13	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
14	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
15	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
16	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
17	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
18	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
19	Expires	[26] 20.19	o	o	[26] 20.19	o	o
20	From	[26] 20.20	m	m	[26] 20.20	m	m
21	In-Reply-To	[26] 20.21	o	o	[26] 20.21	o	o
22	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
23	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
24	Organization	[26] 20.25	o	o	[26] 20.25	o	o
25	P-Media-Authorization	[31] 6.1	n/a	n/a	[31] 6.1	c11	c12
25A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c7	c7
25B	P-Preferred-Identity	[34] 9.2	c7	c5	[34] 9.2	n/a	n/a
26	Priority	[26] 20.26	o	o	[26] 20.26	o	o
26A	Privacy	[33] 4.2	c9	c9	[33] 4.2	c9	c9
27	Proxy-Authorization	[26] 20.28	c6	c6	[26] 20.28	n/a	n/a
28	Proxy-Require	[26] 20.29	o (note)	o (note)	[26] 20.29	n/a	n/a
29	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	m	m
30	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
31	Reply-To	[26] 20.31	o	o	[26] 20.31	o	o
32	Require	[26] 20.32	c8	o	[26] 20.32	m	m
33	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
34	Subject	[26] 20.36	o	o	[26] 20.36	o	o
35	Supported	[26] 20.37	c8	m	[26] 20.37	m	m
36	Timestamp	[26] 20.38	c10	c10	[26] 20.38	m	m
37	To	[26] 20.39	m	m	[26] 20.39	m	m
38	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
39	Via	[26] 20.42	m	m	[26] 20.42	m	m

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
c1:	IF A.4/12 THEN m ELSE n/a	-- downloading of alerting information.					
c2:	IF A.4/20 THEN m ELSE n/a	-- SIP specific event notification extension.					
c3:	IF A.4/7 THEN m ELSE n/a	-- authentication between UA and UA.					
c4:	IF A.4/11 THEN o ELSE n/a	-- insertion of date in requests and responses.					
c5:	IF A.3/1 AND A.4/25 THEN o ELSE n/a	-- UE and private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c6:	IF A.4/8A THEN m ELSE n/a	-- authentication between UA and proxy.					
c7:	IF A.4/25 THEN o ELSE n/a	-- private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c8:	IF A.4/14 THEN o.1 ELSE o	-- Reliability of provisional responses in SIP.					
c9:	IF A.4/26 THEN o ELSE n/a	-- a privacy mechanism for the Session Initiation Protocol (SIP).					
c10:	IF A.4/6 THEN o ELSE n/a	-- timestamping of requests.					
c11:	IF A.4/19 THEN m ELSE n/a	-- SIP extensions for media authorization.					
c12:	IF A.3/1 THEN m ELSE n/a	-- UE.					
o.1:	At least one of these shall be supported.						
NOTE 1:	The strength of this requirement in RFC 3261 [26] is RECOMMENDED, rather than OPTIONAL.						
NOTE 2:	No distinction has been made in these tables between first use of a request on a From/To/Call-ID combination, and the usage in a subsequent one. Therefore the use of "o" etc. above has been included from a viewpoint of first usage.						

Prerequisite A.5/8 -- INVITE request

Table A.47: Supported message bodies within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/9 -- INVITE response

Prerequisite: A.6/1 -- 100 (Trying)

Table A.48: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/9 - - INVITE response

Table A.49: Supported headers within the INVITE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
11	Organization	[26] 20.25	o	o	[26] 20.25	o	o
11A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
11B	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a
11C	Privacy	[33] 4.2	c4	c4	[33] 4.2	c4	c4
11DA	Server	[26] 20.35	o	o	[26] 20.35	o	o
12	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	o		[26] 20.43	o	
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c4:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/2 OR A.6/3 OR A.6/4 OR A.6/5 - - 1xx

Table A.50: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Contact	[26] 20.10	o		[26] 20.10	o/m	
6	P-Media-Authorization	[31] 6.1	n/a	n/a	[31] 6.1	c11	c12
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Rseq	[27] 7.1	c2	m	[27] 7.1	c3	m
11	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c2:		IF A.4/14 THEN o ELSE n/a - - reliability of provisional responses in SIP.					
c3:		IF A.4/14 THEN m ELSE n/a - - reliability of provisional responses in SIP.					
c11:		IF A.4/19 THEN m ELSE n/a - - SIP extensions for media authorization.					
c12:		IF A.3/1 THEN m ELSE n/a - - UE.					

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/6 - - 2xx

Table A.51: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
1A	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
1B	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
2	Allow	[26] 20.5	o (note 1)	o	[26] 20.5	m	m
3	Anonymity	[34] 5.2	e		[34] 5.2		
4	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
6	Contact	[26] 20.10	m	m	[26] 20.10	m	m
8	P-Media-Authorization	[31] 6.1	n/a	n/a	[31] 6.1	c11	c12
9	Record-Route	[26] 20.30	m	m	[26] 20.30	m	m
10	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
11	Require	[26] 20.32	m	m	[26] 20.32	m	m
13	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA. c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA. c11: IF A.4/19 THEN m ELSE n/a - - SIP extensions for media authorization. c12: IF A.3/1 THEN m ELSE n/a - - UE.							
NOTE 1: The strength of this requirement in RFC 3261 [26] is RECOMMENDED, rather than OPTIONAL.							

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/34 - - 3xx or 485 (Ambiguous)

Table A.52: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Contact	[26] 20.10	o (note 1)	o	[26] 20.10	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.53: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Proxy-Authenticate	[26] 20.27	c3	c3	[26] 20.27	c3	c3
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
13	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.							
c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.							
c3: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 600, 603

Table A.54: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.55: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Anonymity	[34] 5.2	e		[34] 5.2	e	
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.56: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.57: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Anonymity	[34] 5.2	e		[34] 5.2		
6	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
8	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
9	Require	[26] 20.32	m	m	[26] 20.32	m	m
11	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.58: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.59: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/42 - - 500 (Server Internal Error)

Table A.60: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Retry-After	[26] 20.33	m	m	[26] 20.33	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Prerequisite: A.6/45 - - 503 (Service Unavailable)

Table A.61: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Retry-After	[26] 20.33	o	o	[26] 20.33	o	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9 - - INVITE response

Table A.62: Supported message bodies within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.7A MESSAGE method

Prerequisite A.5/9A - - MESSAGE request

Table A.62A: Supported headers within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
3	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
6	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
7	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
8	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 29.15	m	m
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
13	Expires	[26] 20.19	o	o	[26] 20.19	o	o
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	In-Reply-To	[26] 20.21	o	o	[26] 20.21	o	o
16	Max-Forwards	[26] 20.22	o	o	[26] 20.22	o	o
17	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
18	Organization	[26] 20.25	o	o	[26] 20.25	o	o
18A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c11	c11
18B	P-Preferred-Identity	[34] 9.2	c11	c7	[34] 9.2	n/a	n/a
19	Priority	[26] 20.26	o	o	[26] 20.26	o	o
19A	Privacy	[33] 4.2	c12	c12	[33] 4.2	c12	c12
20	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
21	Proxy-Require	[26] 20.29	c6	c6	[26] 20.29	n/a	n/a
22	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
23	Reply-To	[26] 20.31	o	o	[26] 20.31	o	o
24	Require	[26] 20.32	c8	o	[26] 20.32	m	m
25	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
26	Subject	[26] 20.35	o	o	[26] 20.36	o	o
27	Supported	[26] 20.37	c9	m	[26] 20.37	m	m
28	Timestamp	[26] 20.38	c10	c10	[26] 20.38	m	m
29	To	[26] 20.39	m	m	[26] 20.39	m	m
30	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
31	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.					
c6:		IF A.4/18 THEN m ELSE o - - (note)					
c7:		IF A.3/1 AND A.4/25 THEN o ELSE n/a - - UE and private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c8:		IF A.4/14 THEN o.1 ELSE o - - Reliable transport.					
c9:		IF IF A.4/14 THEN o.1 ELSE o - - support of reliable transport.					
c10:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					
c11:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c12:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					

Prerequisite A.5/9A - - MESSAGE request

Table A.62B: Supported message bodies within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/9B - - MESSAGE response

Table A.62C: Supported headers within the MESSAGE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
3	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
4	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
5	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
10	From	[26] 20.20	m	m	[26] 20.20	m	m
11	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
12	Organization	[26] 20.25	o	o	[26] 20.25	o	o
12A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
12B	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a
12C	Privacy	[33] 4.2	c4	c4	[33] 4.2	c4	c4
13	Server	[26] 20.35	o	o	[26] 20.35	o	o
14	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
15	To	[26] 20.39	m	m	[26] 20.39	m	m
16	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
17	Via	[26] 20.42	m	m	[26] 20.42	m	m
18	Warning	[26] 20.43	o	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c4:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/6 - - 2xx

Table A.62D: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.62E: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.62F: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.62G: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.62H: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.62I: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:		IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.62J: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[50] 10	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1		At least one of these capabilities is supported.					

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.62K: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/9B - - MESSAGE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.62L: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[50] 10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/9B - - MESSAGE response

Table A.62M: Supported message bodies within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.8 NOTIFY method

Prerequisite A.5/10 - - NOTIFY request

Table A.63: Supported headers within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	From	[26] 20.20	m	m	[26] 20.20	m	m
16	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
17	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
17A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c6	c6
17B	P-Preferred-Identity	[34] 9.2	c6	x	[34] 9.2	n/a	n/a

17C	Privacy	[33] 4.2	c7	n/a	[33] 4.2	c7	c7
18	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
19	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
20	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	c9	c9
21	Require	[26] 20.32	o	o	[26] 20.32	m	m
22	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
23	Subscription-State	[28] 8.2.3	m	m	[28] 8.2.3	m	m
24	Supported	[26] 20.37	o	o	[26] 20.37	m	m
25	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension. c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension. c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA. c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c5: IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy. c6: IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c7: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP). c8: IF A.4/6 THEN o ELSE n/a - - timestamping of requests. c9: IF A.4/15 OR A.4/20 THEN m ELSE n/a - - the REFER method extension or SIP specific event notification extension.</p>							

Prerequisite A.5/10 - - NOTIFY request

Table A.64: Supported message bodies within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	sipfrag	[37] 2	c1	c1	[37]	c1	c1
c1: IF A.4/15 THEN m ELSE o - - the REFER method extension							

Prerequisite A.5/11 - - NOTIFY response

Table A.65: Supported headers within the NOTIFY response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
10B	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a

10C	Privacy	[33] 4.2	c4	n/a	[33] 4.2	c4	c4
10DA	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a -- insertion of date in requests and responses.							
c2: IF A.4/6 THEN m ELSE n/a -- timestamping of requests.							
c3: IF A.4/25 THEN o ELSE n/a -- private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.							
c4: IF A.4/26 THEN o ELSE n/a -- a privacy mechanism for the Session Initiation Protocol (SIP).							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/11 -- NOTIFY response

Prerequisite: A.6/6 and A.6/7 -- 2xx

Table A.66: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
1A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
2	Record-Route	[26] 20.30	c3	c3	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a -- authentication between UA and UA.							
c2: IF A.4/7 THEN m ELSE n/a -- authentication between UA and UA.							
c3: IF A.4/15 OR A.4/20 THEN m ELSE n/a -- the REFER method extension or SIP specific event notification extension.							

Prerequisite A.5/11 -- NOTIFY response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 -- 3xx or 485 (Ambiguous)

Table A.67: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Contact	[26] 20.10	m (note)	m	[26] 20.10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than MANDATORY for a 485 response.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.68: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.69: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/18 -- 405 (Method Not Allowed)

Table A.70: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.71: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c3	c3	[26] 20.27	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c3: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/11 - - NOTIFY response

Prerequisite A.6/25 - - 415 (Unsupported Media Type)

Table A.72: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.73: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.74: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/39 - - 489 (Bad Event)

Table A.75: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m

Prerequisite A.5/11 - - NOTIFY response

Table A.76: Supported message bodies within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.9 OPTIONS method

Prerequisite A.5/12 - - OPTIONS request

Table A.77: Supported headers within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	c2	c2	[26] 20.7	c2	c2
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
8	Contact	[26] 20.10	o	o	[26] 20.10	o	o
9	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
10	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
11	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	c3	c3	[26] 20.17	m	m
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
18	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
19	Organization	[26] 20.25	o	o	[26] 20.25	o	o
19A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c6	c6
19B	P-Preferred-Identity	[34] 9.2	c6	c4	[34] 9.2	n/a	n/a

19C	Privacy	[33] 4.2	c8	c8	[33] 4.2	c8	c8
20	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
21	Proxy-Require	[26] 20.29	o	o (note)	[26] 20.29	n/a	n/a
22	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
23	Require	[26] 20.32	o	o	[26] 20.32	m	m
24	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
25	Supported	[26] 20.37	c6	c6	[26] 20.37	m	m
26	Timestamp	[26] 20.38	c7	c7	[26] 20.38	m	m
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.</p> <p>c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.</p> <p>c3: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.</p> <p>c4: IF A.3/1 AND A.4/25 THEN o ELSE n/a - - UE and private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c5: IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.</p> <p>c6: IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c7: IF A.4/6 THEN o ELSE n/a - - timestamping of requests.</p> <p>c8: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p> <p>NOTE: No distinction has been made in these tables between first use of a request on a From/To/Call-ID combination, and the usage in a subsequent one. Therefore the use of "o" etc. above has been included from a viewpoint of first usage.</p>							

Prerequisite A.5/12 - - OPTIONS request

Table A.78: Supported message bodies within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.79: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m
<p>c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.</p> <p>c2: IF A.4/6 THEN m ELSE n/a - - timestamping of requests.</p>							

Prerequisite A.5/13 - - OPTIONS response

Table A.80: Supported headers within the OPTIONS response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
11	Organization	[26] 20.25	o	o	[26] 20.25	o	o
11A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
11B	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a
11C	Privacy	[33] 4.2	c4	c4	[33] 4.2	c4	c4
12	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c4:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/6 - - 2xx

Table A.81: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	m	m
2	Allow	[26] 20.5	o (note 1)	o	[26] 20.5	m	m
3	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
5	Contact	[26] 20.10	o		[26] 20.10	o	
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
NOTE 1:		The strength of this requirement in RFC 3261 [26] is RECOMMENDED, rather than OPTIONAL.					

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.82: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.83: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	WWW-Authenticate	[26] 20.44	o		[26] 20.44	o	
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.84: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.85: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.86: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.87: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.88: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/13 - - OPTIONS response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.89: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/13 - - OPTIONS response

Table A.90: Supported message bodies within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.3.10 PRACK method

Prerequisite A.5/14 - - PRACK request

Table A.91: Supported headers within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
16	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
16A	Privacy	[33] 4.2	c6	n/a	[33] 4.2	c6	n/a
17	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
18	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
19	RAck	[27] 7.2	m	m	[27] 7.2	m	m
20	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
21	Require	[26] 20.32	o	o	[26] 20.32	m	m
22	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
23	Supported	[26] 20.37	o	o	[26] 20.37	m	m
24	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
25	To	[26] 20.39	m	m	[26] 20.39	m	m
26	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
27	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c3:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					
c4:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c5:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c6:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c8:		IF A.4/6 THEN o ELSE n/a - - timestamping of requests.					

Prerequisite A.5/14 - - PRACK request

Table A.92: Supported message bodies within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.93: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/15 - - PRACK response

Table A.94: Supported headers within the PRACK response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Privacy	[33] 4.2	c2	n/a	[33] 4.2	c2	n/a
10BA	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.							
c2: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).							
NOTE: For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/6 - - 2xx

Table A.95: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
0B	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
1	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1: IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.							
c2: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.96: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.97: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.98: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.99: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.100: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.101: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/27 - 420 (Bad Extension)

Table A.102: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.103: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/15 - - PRACK response

Table A.104: Supported message bodies within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.11 REFER method

Prerequisite A.5/16 - - REFER request

Table A.105: Supported headers within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	o	o	[26] 20.1	m	m
0B	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
1	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
1A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
3	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Contact	[26] 20.10	m	m	[26] 20.10	m	m
5A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
5B	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
5C	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
10	Expires	[26] 20.19	o	o	[26] 20.19	o	o
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
13	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
14	Organization	[26] 20.25	o	o	[26] 20.25	o	o
14A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c8	c8
14B	P-Preferred-Identity	[34] 9.2	c8	c7	[34] 9.2	n/a	n/a

14C	Privacy	[33] 4.2	c9	c9	[33] 4.2	c9	c9
15	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
16	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
17	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	m	m
18	Refer-To	[36] 3	m	m	[36] 3	m	m
19	Require	[26] 20.32	o	o	[26] 20.32	m	m
20	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
20A	Subject	[26] 20.36	o	o	[26] 20.36	o	o
21	Supported	[26] 20.37, [26] 7.1	o	o	[26] 20.37, [26] 7.1	m	m
22	Timestamp	[26] 20.38	c6	c6	[26] 20.38	m	m
23	To	[26] 20.39	m	m	[26] 20.39	m	m
24	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
25	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension. c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension. c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA. c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c5: IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy. c6: IF A.4/6 THEN o ELSE n/a - - timestamping of requests. c7: IF A.3/1 AND A.4/25 THEN o ELSE n/a - - UE and private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c8: IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c9: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p>							

Prerequisite A.5/16 - - REFER request

Table A.106: Supported message bodies within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.107: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/17 - - REFER response

Table A.108: Supported headers within the REFER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
2	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
3	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
4	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
5	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
6	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
7	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
8	From	[26] 20.20	m	m	[26] 20.20	m	m
9	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10	Organization	[26] 20.25	o	o	[26] 20.25	o	o
10A	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
10B	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a
10C	Privacy	[33] 4.2	c4	c4	[33] 4.2	c4	c4
10DA	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c4:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/7 - - 202 (Accepted)

Table A.109: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
3	Contact	[26] 20.10	m	m	[26] 20.10	m	m
5	Record-Route	[26] 20.30	m	m	[26] 20.30	m	m
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.110: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.111: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.112: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.113: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.114: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.115: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.116: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/17 - - REFER response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.117: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/17 - - REFER response

Table A.118: Supported message bodies within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.12 REGISTER method

Prerequisite A.5/18 - - REGISTER request

Table A.119: Supported headers within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	c2	n/a	[26] 20.7	c2	n/a
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
8	Contact	[26] 20.10	o	o	[26] 20.10	m	m
9	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
10	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
11	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	c3	c3	[26] 20.17	m	m
16	Expires	[26] 20.19	o	o	[26] 20.19	m	m
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
19	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
20	Organization	[26] 20.25	o	o	[26] 20.25	o	o
20A	Path	[35] 4	c4	c5	[35] 4	m	c6
20B	Privacy	[33] 4.2	c9	n/a	[33] 4.2	c9	n/a
21	Proxy-Authorization	[26] 20.28	c8	c8	[26] 20.28	n/a	n/a
22	Proxy-Require	[26] 20.29	o	o (note)	[26] 20.29	n/a	n/a
23	Require	[26] 20.32	o	o	[26] 20.32	m	m
24	Route	[26] 20.34	o	n/a	[26] 20.34	n/a	n/a
25	Supported	[26] 20.37	o	o	[26] 20.37	m	m
26	Timestamp	[26] 20.38	m	m	[26] 20.38	c7	c7
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.					
c2:		IF A.4/8 THEN m ELSE n/a - - authentication between UA and registrar.					
c3:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c4:		IF A.4/24 THEN o ELSE n/a.					
c5:		IF A.4/24 THEN x ELSE n/a.					
c6:		IF (A.3/4) OR A.3/1 THEN m ELSE n/a. - - S-CSCF or UE.					
c7:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c8:		IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.					
c9:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		No distinction has been made in these tables between first use of a request on a From/To/Call-ID combination, and the usage in a subsequent one. Therefore the use of "o" etc. above has been included from a viewpoint of first usage..					

Prerequisite A.5/18 - - REGISTER request

Table A.120: Supported message bodies within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/1 - - 100 (Trying)

Table A.121: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	n/a	n/a	[26] 20.8	m	m
2	Content-Length	[26] 20.14	n/a	n/a	[26] 20.14	m	m
3	Cseq	[26] 20.16	n/a	n/a	[26] 20.16	m	m
4	Date	[26] 20.17	n/a	n/a	[26] 20.17	m	m
5	From	[26] 20.20	n/a	n/a	[26] 20.20	m	m
6	To	[26] 20.39	n/a	n/a	[26] 20.39	m	m
7	Via	[26] 20.42	n/a	n/a	[26] 20.42	m	m

Prerequisite A.5/19 - - REGISTER response

Table A.122: Supported headers within the REGISTER response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o		[26] 20.9	o	
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
11	Organization	[26] 20.25	o	o	[26] 20.25	o	o
11A	Privacy	[33] 4.2	c2	n/a	[33] 4.2	c2	n/a
11BA	Server	[26] 20.35	o	o	[26] 20.35	o	o
12	Timestamp	[26] 20.38	c2	c2	[26] 20.38	m	m
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/6 - - 2xx

Table A.123: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o		[26] 20.1	o	
1A	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
1B	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
2	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Authentication-Info	[26] 20.6	c6	c6	[26] 20.6	c7	c7
5	Contact	[26] 20.10	o	o	[26] 20.10	m	m
6	Path	[35] 4	c3	c3	[35] 4	c4	c4
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Service-Route	[38] 6	c5	c5	[38] 6	c5	c5
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:	IF (A.3/4 AND A.4/2) THEN m ELSE n/a. - - S-CSCF acting as registrar.						
c2:	IF A.3/4 OR A.3/1 THEN m ELSE n/a. - - S-CSCF or UE.						
c3:	IF A.4/24 THEN m ELSE n/a						
c4:	IF A.4/24 THEN o ELSE n/a						
c5:	IF A.4/28 THEN m ELSE n/a						
c6:	IF A.4/8 THEN o ELSE n/a - - authentication between UA and registrar.						
c7:	IF A.4/8 THEN m ELSE n/a - - authentication between UA and registrar.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.124: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.125: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	x	[26] 20.27	c1	x
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1:	IF A.5/8 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.126: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.127: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.128: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Proxy-Authenticate	[26] 20.27	c1	x	[26] 20.27	c1	x
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:	IF A.5/8 THEN m ELSE n/a - - support of authentication between UA and UA.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.129: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1		At least one of these capabilities is supported.					

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.130: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/29 - - 423 (Interval Too Brief)

Table A.131: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o		[26] 20.18	o	
5	Min-Expires	[26] 20.23	m	m	[26] 20.23	m	m
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.132: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/19 - - REGISTER response

Table A.133: Supported message bodies within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.13 SUBSCRIBE method

Prerequisite A.5/20 - - SUBSCRIBE request

Table A.134: Supported headers within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Allow-Events	[28] 8.2.2	c1	c1	[28] 8.2.2	c2	c2
5	Authorization	[26] 20.7	c3	c3	[26] 20.7	c3	c3
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
7	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	c4	c4	[26] 20.17	m	m
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	Expires	[26] 20.19	o (note)	o (note)	[26] 20.19	m	m
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
18	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
18A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
18B	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c6	c6
18C	P-Preferred-Identity	[34] 9.2	c6	c7	[34] 9.2	n/a	n/a

18D	Privacy	[33] 4.2	c9	c9	[33] 4.2	c9	c9
19	Proxy-Authorization	[26] 20.28	c5	c5	[26] 20.28	n/a	n/a
20	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
21	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	m	m
22	Require	[26] 20.32	o	o	[26] 20.32	m	m
23	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
24	Supported	[26] 20.37	o	o	[26] 20.37	m	m
25	Timestamp	[26] 20.38	c8	c8	[26] 20.38	m	m
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension. c2: IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension. c3: IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA. c4: IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses. c5: IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy. c6: IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c7: IF A.3/1 AND A.4/25 THEN o ELSE n/a - - UE and private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c8: IF A.4/6 THEN o ELSE n/a - - timestamping of requests. c9: IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p>							
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/20 - - SUBSCRIBE request

Table A.135: Supported message bodies within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/21 - - SUBSCRIBE response

Table A.136: Supported headers within the SUBSCRIBE response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
10B	P-Asserted-Identity	[34] 9.1	n/a	n/a	[34] 9.1	c3	c3
10C	P-Preferred-Identity	[34] 9.2	c3	x	[34] 9.2	n/a	n/a

10D	Privacy	[33] 4.2	c4	c4	[33] 4.2	c4	c4
10EB	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/25 THEN o ELSE n/a - - private extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.					
c4:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/6 and A.6/7 - - 2xx

Table A.137: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
1A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
2	Expires	[26] 20.19	m	m	[26] 20.19	m	m
3	Record-Route	[26] 20.30	m	m	[26] 20.30	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.138: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Contact	[26] 20.10	m (note)	m	[26] 20.10	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE:		The strength of this requirement is RECOMMENDED rather than MANDATORY for a 485 response.					

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.139: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 600, 603

Table A.140: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o		[26] 20.33	o	
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.141: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.142: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite A.6/25 - - 415 (Unsupported Media Type)

Table A.143: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1 At least one of these capabilities is supported.							

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.144: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/29 - - 423 (Interval Too Brief)

Table A. 145: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o		[26] 20.18	o	
2	Min-Expires	[26] 20.23	m	m	[26] 20.23	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/34 - - 484 (Address Incomplete)

Table A.146: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/39 - - 489 (Bad Event)

Table A.147: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/45 - - 503 (Service Unavailable)

Table A.148: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	Retry-After	[26] 20.33	o	o	[26] 20.33	o	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/21 - - SUBSCRIBE response

Table A.149: Supported message bodies within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.1.4.14 UPDATE method

Prerequisite A.5/22 - - UPDATE request

Table A.150: Supported headers within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o	o	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
5	Allow-Events	[28] 8.2.2	c2	c2	[28] 8.2.2	c3	c3
6	Authorization	[26] 20.7	c4	c4	[26] 20.7	c4	c4
7	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
9	Contact	[26] 20.10	m	m	[26] 20.10	m	m
10	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
11	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
12	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
13	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
14	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
15	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
16	Date	[26] 20.17	c5	c5	[26] 20.17	m	m
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
19	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
20	Organization	[26] 20.25	o	o	[26] 20.25	o	o
20A	Privacy	[33] 4.2	c6	n/a	[33] 4.2	c6	n/a
21	Proxy-Authorization	[26] 20.28	c10	c10	[26] 20.28	n/a	n/a
22	Proxy-Require	[26] 20.29	o	n/a	[26] 20.29	n/a	n/a
23	Record-Route	[26] 20.30	n/a	n/a	[26] 20.30	n/a	n/a
24	Require	[26] 20.32	o	o	[26] 20.32	m	m
25	Route	[26] 20.34	m	m	[26] 20.34	n/a	n/a
26	Supported	[26] 20.37	o	o	[26] 20.37	m	m
27	Timestamp	[26] 20.38	c9	c9	[26] 20.38	m	m
28	To	[26] 20.39	m	m	[26] 20.39	m	m
29	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
30	Via	[26] 20.42	m	m	[26] 20.42	m	m
c2:	IF A.4/20 THEN o ELSE n/a - - SIP specific event notification extension.						
c3:	IF A.4/20 THEN m ELSE n/a - - SIP specific event notification extension.						
c4:	IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.						
c5:	IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.						
c6:	IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c9:	IF A.4/6 THEN o ELSE n/a - - timestamping of requests.						
c10:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						

Prerequisite A.5/22 - - UPDATE request

Table A.151: Supported message bodies within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.5/23 - - UPDATE response

Table A.152: Supported headers within the UPDATE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	m	m
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	m	m
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	c1	c1	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	o	o	[26] 20.24	m	m
10A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
10B	Privacy	[33] 4.2	c3	n/a	[33] 4.2	c3	n/a
10CB	Server	[26] 20.35	o	o	[26] 20.35	o	o
11	Timestamp	[26] 20.38	m	m	[26] 20.38	c2	c2
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	o	o	[26] 20.41	o	o
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	o (note)	o	[26] 20.43	o	o
c1:		IF A.4/11 THEN o ELSE n/a - - insertion of date in requests and responses.					
c2:		IF A.4/6 THEN m ELSE n/a - - timestamping of requests.					
c3:		IF A.4/26 THEN o ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
NOTE:		For a 606 (Not Acceptable Here) response, this status is RECOMMENDED rather than OPTIONAL.					

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/6 - - 2xx

Table A.153: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	o	o	[26] 20.1	m	m
0B	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	m	m
0C	Accept-Language	[26] 20.3	o	o	[26] 20.3	m	m
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
3	Contact	[26] 20.10	m	m	[26] 20.10	m	m
4	Require	[26] 20.31	m	m	[26] 20.31	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
c1:		IF A.4/7 THEN o ELSE n/a - - authentication between UA and UA.					
c2:		IF A.4/7 THEN m ELSE n/a - - authentication between UA and UA.					

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 - - 3xx

Table A.154: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o		[26] 20.10	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/14 - - 401 (Unauthorized)

Table A.154A: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	m	m
c1: IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.							

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/17 OR A.6/23 OR A.6/30 OR A.6/36 OR A.6/42 OR A.6/45 OR A.6/50 OR A.6/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.155: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Retry-After	[26] 20.33	o	o	[26] 20.33	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/18 - - 405 (Method Not Allowed)

Table A.156: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.33	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/20 - - 407 (Proxy Authentication Required)

Table A.157: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	c1	c1	[26] 20.27	c1	c1
5	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:		IF A.5/7 THEN m ELSE n/a - - support of authentication between UA and UA.					

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/25 - - 415 (Unsupported Media Type)

Table A.158: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
6	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
o.1		At least one of these capabilities is supported.					

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/27 - - 420 (Bad Extension)

Table A.159: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m

Prerequisite A.5/23 - - UPDATE response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11 OR A.6/12 OR A.6/35 - - 3xx or 485 (Ambiguous)

Table A.160: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Require	[26] 20.32	m	m	[26] 20.33	m	m
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/23 - - UPDATE response

Table A.161: Supported message bodies within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2 Proxy role

A.2.2.1 Introduction

This subclause contains the ICS proforma tables related to the proxy role. They need to be completed only for proxy implementations.

Prerequisite: A.2/2 - - proxy role

A.2.2.2 Major capabilities

Table A.162: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for session requests?	[26] 16	m	m
2	server behaviour for session requests?	[26] 16	m	m
3	session release?	[26] 16	m	m
4	stateless proxy behaviour?	[26] 16.11	o.1	
5	stateful proxy behaviour?	[26] 16.2	o.1	
6	forking of initial requests?	[26] 16.1	c1	x
7	support of TLS connections on the upstream side?	[26] 16.7	o	n/a
8	support of TLS connections on the downstream side?	[26] 16.7	o	n/a
8A	authentication between UA and proxy?	[26] 20.28, 22.3	o	x
9	insertion of date in requests and responses?	[26] 20.17	o	o
10	suppression or modification of alerting information data?	[26] 20.4	o	o
11	reading the contents of the Require header before proxying the request or response?	[26] 20.32	o	o
12	adding or modifying the contents of the Require header before proxying the REGISTER request or response	[26] 20.32	o	m
13	adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER?	[26] 20.32	o	o
14	the requirement to be able to insert itself in the subsequent transactions in a dialog?	[26] 16.6	o	c2
15	the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing?	[26] 16.7	c3	c3
16	reading the contents of the Supported header before proxying the response?	[26] 20.37	o	o
17	reading the contents of the Unsupported header before proxying the 420 response to a REGISTER?	[26] 20.40	o	m
18	reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER?	[26] 20.40	o	o
19	the inclusion of the Error-Info header in 3xx - 6xx responses?	[26] 20.18	o	o
19A	reading the contents of the Organization header before proxying the request or response?	[26] 20.25	o	o
19B	adding or concatenating the Organization header before proxying the request or response?	[26] 20.25	o	o
19C	reading the contents of the Call-Info header before proxying the request or response?	[26] 20.25	o	o
19D	adding or concatenating the Call-Info header before proxying the request or response?	[26] 20.25	o	o
19E	delete Contact headers from 3xx responses prior to relaying the response?	[26] 20	o	o
	Extensions			

20	the SIP INFO method?	[25]	o	o
21	reliability of provisional responses in SIP?	[27]	o	m
22	the REFER method?	[36]	o	o
23	integration of resource management and SIP?	[30]	o	m
24	the SIP UPDATE method?	[29]	c4	m
26	SIP extensions for media authorization?	[31]	o	m
27	SIP specific event notification	[28]	o	o
28	the use of NOTIFY to establish a dialog	[28] 4.2	o	n/a
29	Session Initiation Protocol Extension Header Field for Registering Non-Adjacent Contacts	[35]	o	c6
30	extensions to the Session Initiation Protocol (SIP) for Network-Asserted asserted Identity-identity within Trusted trusted Networks networks	[34]	o	m
30A	act as first entity within the trust domain for asserted identity	[34]	c5	c8
30B	act as subsequent entity within trust network that can route outside the trust network	[34]	c5	c9
31	a Privacy-privacy Mechanism mechanism for the Session Initiation Protocol (SIP)	[33]	o	m
31A	request of privacy by the inclusion of a Privacy header	[33]	n/a	n/a
31B	application of privacy based on the received Privacy header	[33]	c10	c12
31C	passing on of the Privacy header transparently	[33]	c10	c13
31D	application of the privacy option "header" such that those headers which cannot be completely expunged of identifying information without the assistance of intermediaries are obscured?	[33] 5.1	x	x
31E	application of the privacy option "session" such that anonymization for the session(s) initiated by this message occurs?	[33] 5.2	n/a	n/a
31F	application of the privacy option "user" such that user level privacy functions are provided by the network?	[33] 5.3	n/a	n/a
31G	application of the privacy option "id" such that privacy of the network asserted identity is provided by the network?	[34] 7	c11	c12
32	Session Initiation Protocol Extension Header Field for Service Route Discovery During Registration	[38]	o	c6
33	a messaging mechanism for the Session Initiation Protocol (SIP)	[50]	o	m
34	Compressing the Session Initiation Protocol	[55]	o	c7

c1:	IF A.162/5 THEN o ELSE n/a -- stateful proxy behaviour
c2:	IF A.3/4 OR A.3/7 THEN m ELSE IF A.3/3 THEN o ELSE n/a -- S-CSCF or AS else I-CSCF
c3:	IF (A.162/7 AND NOT A.162/8) OR (NOT A.162/7 AND A.162/8) THEN m ELSE IF A.162/14 THEN o ELSE n/a -- TLS interworking with non-TLS else proxy insertion
c4:	IF A.162/23 THEN m ELSE o -- integration of resource management and SIP
c5:	IF A.162/30 THEN o ELSE n/a -- extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.
c6:	IF A.3/2 OR A.3/3A THEN m ELSE n/a -- P-CSCF or I-CSCF (THIG)
c7:	IF A.3/2 THEN m ELSE n/a -- P-CSCF.
c8:	IF A.3/2 AND A.162/30 THEN m ELSE n/a -- P-CSCF and extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.
c9:	
c10:	IF A.162/31 THEN o.2 ELSE n/a -- a privacy mechanism for the Session Initiation Protocol (SIP).
c11:	IF A.162/31B THEN o ELSE x -- application of privacy based on the received Privacy header.
c12:	
c13:	
o.1:	It is mandatory to support at least one of these items.
o.2:	It is mandatory to support at least one of these items.
NOTE:	An AS acting as a proxy may be outside the trust domain, and therefore not able to support the capability for that reason; in this case it is perfectly reasonable for the header to be passed on transparently, as specified in the PDU parts of the profile.

A.2.2.3 PDUs

Table A.163: Supported methods

Item	PDU	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	ACK request	[26] 13	m	m	[26] 13	m	m
2	BYE request	[26] 16	o	m	[26] 16	o	m
3	BYE response	[26] 16	o	m	[26] 16	o	m
4	CANCEL request	[26] 16.10	o	m	[26] 16.10	o	m
5	CANCEL response	[26] 16.10	o	m	[26] 16.10	o	m
6	INFO request	[25] 2	c2	c2	[25] 2	c2	c2
7	INFO response	[25] 2	c2	c2	[25] 2	c2	c2
8	INVITE request	[26] 16	m	m	[26] 16	m	m
9	INVITE response	[26] 16	m	m	[26] 16	m	m
9A	MESSAGE request	[50] 4	c5	c5	[50] 7	c5	c5
9B	MESSAGE response	[50] 4	c5	c5	[50] 7	c5	c5
10	NOTIFY request	[28] 8.1.2	c3	c3	[28] 8.1.2	c3	c3
11	NOTIFY response	[28] 8.1.2	c3	c3	[28] 8.1.2	c3	c3
12	OPTIONS request	[26] 16	m	m	[26] 16	m	m
13	OPTIONS response	[26] 16	m	m	[26] 16	m	m
14	PRACK request	[27] 6	c6	c6	[27] 6	c6	c6
15	PRACK response	[27] 6	c6	c6	[27] 6	c6	c6
16	REFER request	[36] 3	c1	c1	[36] 3	c1	c1
17	REFER response	[36] 3	c1	c1	[36] 3	c1	c1
18	REGISTER request	[26] 16	m	m	[26] 16	m	m
19	REGISTER response	[26] 16	m	m	[26] 16	m	m
20	SUBSCRIBE request	[28] 8.1.1	c3	c3	[28] 8.1.1	c3	c3
21	SUBSCRIBE response	[28] 8.1.1	c3	c3	[28] 8.1.1	c3	c3
22	UPDATE request	[30] 7	c4	c4	[30] 7	c4	c4
23	UPDATE response	[30] 7	c4	c4	[30] 7	c4	c4
c1:	IF A.162/22 THEN m ELSE n/a -- the REFER method.						
c2:	IF A.162/20 THEN m ELSE n/a -- the SIP INFO method.						
c3:	IF A.162/27 THEN m ELSE n/a -- SIP specific event notification.						
c4:	IF A.162/24 THEN m ELSE n/a -- the SIP UPDATE method.						
c5:	IF A.162/33 THEN m ELSE n/a -- the SIP MESSAGE method.						
c6:	IF A.162/21 THEN m ELSE n/a -- reliability of provisional responses.						

A.2.2.4 PDU parameters

A.2.2.4.1 Status-codes

Table A.164: Supported-status codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	100 (Trying)	[26] 21.1.1	c1	c1	[26] 21.1.1	c2	c2
2	180 (Ringing)	[26] 21.1.2	c3	c3	[26] 21.1.2	c3	c3
3	181 (Call Is Being Forwarded)	[26] 21.1.3	c3	c3	[26] 21.1.3	c3	c3
4	182 (Queued)	[26] 21.1.4	c3	c3	[26] 21.1.4	c3	c3
5	183 (Session Progress)	[26] 21.1.5	c3	c3	[26] 21.1.5	c3	c3
6	200 (OK)	[26] 21.2.1			[26] 21.2.1		
7	202 (Accepted)	[28] 8.3.1	c4	c4	[28] 8.3.1	c4	c4
8	300 (Multiple Choices)	[26] 21.3.1			[26] 21.3.1		
9	301 (Moved Permanently)	[26] 21.3.2			[26] 21.3.2		
10	302 (Moved Temporarily)	[26] 21.3.3			[26] 21.3.3		
11	305 (Use Proxy)	[26] 21.3.4			[26] 21.3.4		
12	380 (Alternative Service)	[26] 21.3.5			[26] 21.3.5		
13	400 (Bad Request)	[26] 21.4.1			[26] 21.4.1		
14	401 (Unauthorized)	[26] 21.4.2			[26] 21.4.2		
15	402 (Payment Required)	[26] 21.4.3			[26] 21.4.3		
16	403 (Forbidden)	[26] 21.4.4			[26] 21.4.4		
17	404 (Not Found)	[26] 21.4.5			[26] 21.4.5		
18	405 (Method Not Allowed)	[26] 21.4.6			[26] 21.4.6		
19	406 (Not Acceptable)	[26] 21.4.7			[26] 21.4.7		
20	407 (Proxy Authentication Required)	[26] 21.4.8			[26] 21.4.8		
21	408 (Request Timeout)	[26] 21.4.9			[26] 21.4.9		
22	410 (Gone)	[26] 21.4.10			[26] 21.4.10		
23	413 (Request Entity Too Large)	[26] 21.4.11			[26] 21.4.11		
24	414 (Request-URI Too Large)	[26] 21.4.12			[26] 21.4.12		
25	415 (Unsupported Media Type)	[26] 21.4.13			[26] 21.4.13		
26	416 (Unsupported URI Scheme)	[26] 21.4.14			[26] 21.4.14		
27	420 (Bad Extension)	[26] 21.4.15			[26] 21.4.15		
28	421 (Extension Required)	[26] 21.4.16			[26] 21.4.16		
29	423 (Interval Too Brief)	[26] 21.4.17	c5	c5	[26] 21.4.17	c6	c6

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
30	480 (Temporarily not available)	[26] 21.4.18			[26] 21.4.18		
31	481 (Call /Transaction Does Not Exist)	[26] 21.4.19			[26] 21.4.19		
32	482 (Loop Detected)	[26] 21.4.20			[26] 21.4.20		
33	483 (Too Many Hops)	[26] 21.4.21			[26] 21.4.21		
34	484 (Address Incomplete)	[26] 21.4.22			[26] 21.4.22		
35	485 (Ambiguous)	[26] 21.4.23			[26] 21.4.23		
36	486 (Busy Here)	[26] 21.4.24			[26] 21.4.24		
37	487 (Request Terminated)	[26] 21.4.25			[26] 21.4.25		
38	488 (Not Acceptable Here)	[26] 21.4.26			[26] 21.4.26		
39	489 (Bad Event)	[28] 7.3.2	c4	c4	[28] 7.3.2	c4	c4
40	491 (Request Pending)	[26] 21.4.27			[26] 21.4.27		
41	493 (Undecipherable)	[26] 21.4.28			[26] 21.4.28		
41A	494 (Security Agreement Required)	[38] 3	o	c7	[3] 3	o	n/a
42	500 (Internal Server Error)	[26] 21.5.1			[26] 21.5.1		
43	501 (Not Implemented)	[26] 21.5.2			[26] 21.5.2		
44	502 (Bad Gateway)	[26] 21.5.3			[26] 21.5.3		
45	503 (Service Unavailable)	[26] 21.5.4			[26] 21.5.4		
46	504 (Server Time-out)	[26] 21.5.5			[26] 21.5.5		
47	505 (Version not supported)	[26] 21.5.6			[26] 21.5.6		
48	513 (Message Too Large)	[26] 21.5.7			[26] 21.5.7		
49	580 (Precondition Failure)						
50	600 (Busy Everywhere)	[26] 21.6.1			[26] 21.6.1		
51	603 (Decline)	[26] 21.6.2			[26] 21.6.2		
52	604 (Does Not Exist Anywhere)	[26] 21.6.3			[26] 21.6.3		
53	606 (Not Acceptable)	[26] 21.6.4			[26] 21.6.4		
c1: IF A.162/15 THEN m ELSE n/a - - stateful proxy. c2: IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing. c3: IF A.163/9 THEN m ELSE n/a - - INVITE response. c4: IF A.162/27 THEN m ELSE n/a - - SIP specific event notification. c5: IF A.163/19 OR A.163/21 THEN m ELSE n/a - - REGISTER response or SUBSCRIBE response. c6: IF A.163/19 OR A.163/21 THEN i ELSE n/a - - REGISTER response or SUBSCRIBE response. c7: IF A.3/2 THEN m ELSE n/a - - P-CSCF role.							

A.2.2.4.2 ACK method

Prerequisite A.163/1 - - ACK request

Table A.165: Supported headers within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
7	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
8	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
13	From	[26] 20.20	m	m	[26] 20.20	m	m
14	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
15	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
16	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
17	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
17A	Privacy	[33] 4.2	c6	c6	[33] 4.2	c7	c7
18	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
19	Route	[26] 20.34	m	m	[26] 20.34	m	m
20	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.					
c2:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c3:		IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.					
c4:		IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.					
c5:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c6:		IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c7:		IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

Editor's note: Is the following table a suitable way of showing the contents of message bodies.

Prerequisite A.163/1 - - ACK request

Table A.166: Supported message bodies within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.3 BYE method

Prerequisite A.163/2 - - BYE request

Table A.167: Supported headers within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
16	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
16A	P-Asserted-Identity	[34] 9.1	c9	c9	[34] 9.1	c10	c10
16B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c8	n/a
16C	Privacy	[33] 4.2	c11	c11	[33] 4.2	c12	c12
17	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
18	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
19	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
20	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
21	Route	[26] 20.34	m	m	[26] 20.34	m	m
22	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
23	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
24	To	[26] 20.39	m	m	[26] 20.39	m	m
25	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
26	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c4:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c9:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c10:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c11:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c12:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/2 - - BYE request

Table A.168: Supported message bodies within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.169: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
c1:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					

Prerequisite A.163/3 - - BYE response

Table A.170: Supported headers within the BYE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c2
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c2
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c2
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c2
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c2
16A	P-Asserted-Identity	[34] 9.1	c4	c4	[34] 9.1	c5	c5
10B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c3	n/a
10C	Privacy	[33] 4.2	c6	c6	[33] 4.2	c7	c7
10DA	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i

c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.
c2: IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.
[c3: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.](#)
[c4: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol \(SIP\) for asserted identity within trusted networks.](#)
[c5: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol \(SIP\) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.](#)
[c6: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol \(SIP\).](#)
[c7: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.](#)

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/6 - - 2xx

Table A.171: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Authentication-Info	[26] 20.6	m	m	p	i	i
2	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i

c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.
c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.

Prerequisite A.163/3 - BYE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - 3xx or 485 (Ambiguous)

Table A.172: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.173: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.174: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.175: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.176: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.177: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.178: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.179: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/3 - - BYE response

Table A.180: Supported message bodies within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.4 CANCEL method

Prerequisite A.163/4 - - CANCEL request

Table A.181: Supported headers within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
9	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
10	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
13	Privacy	[33] 4.2	c3	c3	[33] 4.2	c4	c4
15	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
16	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
17	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
18	Route	[26] 20.34	m	m	[26] 20.34	m	m
19	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
20	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
21	To	[26] 20.39	m	m	[26] 20.39	m	m
22	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.					
c2:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c3:		IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c4:		IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.					
c5:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c6:		IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.					
c7:		IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

Prerequisite A.163/4 - - CANCEL request

Table A.182: Supported message bodies within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/5 - - CANCEL response

Table A.183: Supported headers within the CANCEL response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
5A	Privacy	[33] 4.2	c2	c2	[33] 4.2	c3	c3
6	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
7	To	[26] 20.39	m	m	[26] 20.39	m	m
7A	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Via	[26] 20.42	m	m	[26] 20.42	m	m
9	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses. c2: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP). c3: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.							

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/6 - - 200 (OK)

Table A.184: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER. c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.							

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.185: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.							

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 500, 503, 600, 603

Table A.186: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 2418	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.187: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.188: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/5 - - CANCEL response

Table A.189: Supported message bodies within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.5 COMET method

Void

A.2.2.4.6 INFO method

Prerequisite A.163/6 - - INFO request

Table A.190: Supported headers within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m		[26] 20.8	m	
7	Contact	[26] 20.10	m	m	[26] 20.10	i	i
7A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c4
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c4
8A	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c4
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c4
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
16	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
17	Priority	[26] 20.26	m	m	[26] 20.26	i	i
17A	Privacy	[33] 4.2	c9	c9	[33] 4.2	c10	c10
18	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c8	c8
19	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
20	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
21	Require	[26] 20.32	m	m	[26] 20.32	c4	c5
22	Route	[26] 20.34	m	m	[26] 20.34	m	m
23	Subject	[26] 20.36	m	m	[26] 20.36	i	i
24	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
25	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c9:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c10:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/6 - - INFO request

Table A.191: Supported message bodies within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.192: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						

Prerequisite A.163/7 - - INFO response

Table A.193: Supported headers within the INFO response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
2	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
2A	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
3	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
4	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
5	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
6	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
7	From	[26] 20.20	m	m	[26] 20.20	m	m
8	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
8A	Privacy	[33] 4.2	c4	c4	[33] 4.2	c5	c5
8BA	Server	[26] 20.35	m	m	[26] 20.35	i	i
9	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
10	To	[26] 20.39	m	m	[26] 20.39	m	m
10A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
11	Via	[26] 20.42	m	m	[26] 20.42	m	m
12	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses. c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header. c3: IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF. c4: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP). c5: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/6 - - 2xx

Table A.194: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
4	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER. c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.							

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 - - 3xx

Table A.195: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
0B	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.196: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 2418	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.197: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.198: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.198A: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 2418	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.199: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	m	m	[26] 20.1	i	i
0B	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
0C	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
0D	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.200: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.201: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/35 - - 485 (Ambiguous)

Table A.202: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
0B	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/7 - - INFO response

Table A.203: Supported message bodies within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.7 INVITE method

Prerequisite A.163/8 - - INVITE request

Table A.204: Supported headers within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Alert-Info	[26] 20.4	c2	c2	[26] 20.4	c3	c3
5	Allow	[26] 20.5	m	m	[26] 20.5	i	i
6	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
7	Anonymity	[34] 5.2	e		[34] 5.2		
8	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
9	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
10	Call-Info	[26] 20.9	m	m	[26] 20.9	c12	c12
11	Contact	[26] 20.10	m	m	[26] 20.10	i	i
12	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c6
13	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c6
14	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c6
15	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
16	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c6
17	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
18	Date	[26] 20.17	m	m	[26] 20.17	c4	c4
19	Expires	[26] 20.19	m	m	[26] 20.19	i	i
20	From	[26] 20.20	m	m	[26] 20.20	m	m
21	In-Reply-To	[26] 20.21	m	m	[26] 20.21	i	i
22	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
23	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c6
24	Organization	[26] 20.25	m	m	[26] 20.25	c5	c5
25	P-Media-Authorization	[31] 6.1	c9	c10	[31] 6.1	n/a	n/a
25A	P-Asserted-Identity	[34] 9.1	c15	c15	[34] 9.1	c16	c16
25B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c14	c14

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
26	Priority	[26] 20.26	m	m	[26] 20.26	i	i
26A	Privacy	[33] 4.2	c17	c17	[33] 4.2	c18	c18
27	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c13	c13
28	Proxy-Require	[26] 20.29, [34] 4	m	m	[26] 20.29, [34] 4	m	m
29	Record-Route	[26] 20.30	m	m	[26] 20.30	c11	c11
30	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
31	Reply-To	[26] 20.31	m	m	[26] 20.31	i	i
32	Require	[26] 20.32	m	m	[26] 20.32	c7	c7
33	Route	[26] 20.34	m	m	[26] 20.34	m	m
34	Subject	[26] 20.36	m	m	[26] 20.36	i	i
35	Supported	[26] 20.37	m	m	[26] 20.37	c8	c8
36	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
37	To	[26] 20.39	m	m	[26] 20.39	m	m
38	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
39	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/10 THEN n/a ELSE m - - suppression or modification of alerting information data.						
c3:	IF A.162/10 THEN m ELSE i - - suppression or modification of alerting information data.						
c4:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c5:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c6:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c7:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c8:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c9:	IF A.162/26 THEN m ELSE n/a - - SIP extensions for media authorization.						
c10:	IF A.3/2 THEN m ELSE n/a - - P-CSCF.						
c11:	IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c12:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c13:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c14:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c15:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c16:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c17:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c18:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/8 - - INVITE request

Table A.205: Supported message bodies within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.206: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	c1	c1	[26] 20.17	c2	c2
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF (A.162/9 AND A.162/5) OR A.162/4 THEN m ELSE n/a - - stateful proxy behaviour that inserts date, or stateless proxies.						
c2:	IF A.162/4 THEN i ELSE m - - Stateless proxy passes on.						

Prerequisite A.163/9 - - INVITE response

Table A.207: Supported headers within the INVITE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
11	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
11A	P-Asserted-Identity	[34] 9.1	c6	c6	[34] 9.1	c7	c7
11B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c5	n/a
11C	Privacy	[33] 4.2	c8	c8	[33] 4.2	c9	c9
11DA	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c2:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c3:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c4:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c5:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c6:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c7:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c8:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c9:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/2 OR A.164/3 OR A.164/4 OR A.164/5 - - 1xx

Table A.208: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Contact	[26] 20.10	m	m	[26] 20.10	i	i
6	P-Media-Authorization	[31] 6.1	c9	c10	[31] 6.1	n/a	n/a
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
9	Rseq	[27] 7.1	m	m	[27] 7.1	i	i
11	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c9:	IF A.162/26 THEN m ELSE n/a - - SIP extensions for media authorization.						
c10:	IF A.3/2 THEN m ELSE n/a - - P-CSCF.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/6 - - 2xx

Table A.209: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
1A	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
1B	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Anonymity	[34] 5.2	e		[34] 5.2		
4	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
6	Contact	[26] 20.10	m	m	[26] 20.10	i	i
8	P-Media-Authorization	[31] 6.1	c9	c10	[31] 6.1	n/a	n/a
9	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
10	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
11	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
13	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c9:	IF A.162/26 THEN m ELSE n/a - - SIP extensions for media authorization.						
c10:	IF A.3/2 THEN m ELSE n/a - - P-CSCF.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.210: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.211: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
15	WWW-Authenticate	[26] 20.44	o		[26] 20.44	o	
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.212: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
12	Via	[26] 20.42	m	m	[26] 20.42	m	m
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.213: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m		[26] 20.5	m/o	
3	Anonymity	[34] 5.2	e		[34] 5.2	e	
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	From	[26] 20.20	m	m	[26] 20.20	m	m
10	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
11	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
13	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.214: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
7	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
11	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.215: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Anonymity	[34] 5.2	e		[34] 5.2		
6	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
8	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
9	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
11	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.216: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.217: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	e		[34] 5.2		
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Remote-Party-ID	[34] 5.1	e		[34] 5.1	e	
7	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9 - - INVITE response

Table A.218: Supported message bodies within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.7A MESSAGE method

Prerequisite A.163/9A - - MESSAGE request

Table A.218A: Supported headers within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
6	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
7	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
8	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
11	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
12	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
13	Expires	[26] 20.19	m	m	[26] 20.19	l	i
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	In-Reply-To	[26] 20.21	m	m	[50] 10	i	i
16	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
17	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
18	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
18A	P-Asserted-Identity	[34] 9.1	c10	c10	[34] 9.1	c11	c11
18B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c9	c9

18C	Privacy	[33] 4.2	c12	c12	[33] 4.2	c13	c13
19	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c8	c8
20	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
21	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
22	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
23	Route	[26] 20.34	m	m	[26] 20.34	m	m
24	Subject	[26] 20.36	m	m	[26] 20.36	i	i
25	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
26	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.</p> <p>c2: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.</p> <p>c3: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.</p> <p>c4: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.</p> <p>c5: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p> <p>c6: IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.</p> <p>c7: IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.</p> <p>c8: IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.</p> <p>c9: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.</p> <p>c10: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c11: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.</p> <p>c12: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p> <p>c13: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.</p> <p>NOTE: c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.</p>							

Prerequisite A.163/9A - - MESSAGE request

Table A.218B: Supported message bodies within the MESSAGE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/9B - - MESSAGE response

Table A.218C: Supported headers within the MESSAGE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Call-Info	[26] 20.9	m	m	[26] 20.9	c3	c3
3	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
4	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
5	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
10	From	[26] 20.20	m	m	[26] 20.20	m	m
11	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
12	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
12A	P-Asserted-Identity	[34] 9.1	c5	c5	[34] 9.1	c6	c6
12B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c4	n/a
12C	Privacy	[33] 4.2	c7	c7	[33] 4.2	c8	c8
13	Server	[26] 20.35	m	m	[26] 20.35	i	i
14	Timestamp	[26] 20.38	i	i	[26] 20.38	i	i
15	To	[26] 20.39	m	m	[26] 20.39	m	m
16	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
17	Via	[26] 20.42	m	m	[26] 20.42	m	m
18	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c2:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c3:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c4:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c5:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c6:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c7:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c8:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/6 - - 2xx

Table A.218D: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
3	From	[26] 20.20	m	m	[26] 20.20	m	m
4	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.218E: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.218F: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.218G: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.218H: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.218I: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.218J: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[50] 10	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.218K: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.218L: Supported headers within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[50] 10	i	i
2	Contact	[26] 20.10	o		[26] 20.10	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/9B - - MESSAGE response

Table A.218M: Supported message bodies within the MESSAGE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.8 NOTIFY method

Prerequisite A.163/10 - - NOTIFY request

Table A.219: Supported headers within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	From	[26] 20.20	m	m	[26] 20.20	m	m
16	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
17	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
17A	P-Asserted-Identity	[34] 9.1	c8	c8	[34] 9.1	c9	c9
17B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c3	n/a
17C	Privacy	[33] 4.2	c10	c10	[33] 4.2	c11	c11
18	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
19	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
20	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
21	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
22	Route	[26] 20.34	m	m	[26] 20.34	m	m
23	Subscription-State	[28] 8.2.3	m	m	[28] 8.2.3	i	i
24	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
25	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c4:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN (IF A.162/22 OR A.162/27 THEN m ELSE o) ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog or (the REFER method or SIP specific event notification).						
c8:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c9:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c10:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c11:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/10 - - NOTIFY request

Table A.220: Supported message bodies within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	sipfrag	[37] 2	m	m	[37] 2	i	i

Prerequisite A.163/11 - - NOTIFY response

Table A.221: Supported headers within the NOTIFY response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
10A	P-Asserted-Identity	[34] 9.1	c3	c3	[34] 9.1	c4	c4
10B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c2	n/a

10C	Privacy	[33] 4.2	c5	c5	[33] 4.2	c6	c6
10DA	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
<p>c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.</p> <p>c2: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.</p> <p>c3: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c4: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.</p> <p>c5: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p> <p>c6: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.</p>							

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/6 AND A.164/7 - - 2xx

Table A.222: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
1A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
2	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p> <p>c3: IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.</p>							

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.223: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c1: IF A.162/19E THEN m ELSE i - - deleting Contact headers.</p> <p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p>							

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.224: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.225: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.226: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.227: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.228: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.229: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.230: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/39 - - 489 (Bad Event)

Table A.231: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c3	c3
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/11 - - NOTIFY response

Table A.232: Supported message bodies within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.9 OPTIONS method

Prerequisite A.163/12 - - OPTIONS request

Table A.233: Supported headers within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
8	Contact	[26] 20.10	m	m	[26] 20.10	i	i
9	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
10	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
11	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
18	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
19	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
19A	P-Asserted-Identity	[34] 9.1	c10	c10	[34] 9.1	c11	c11
19B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c9	c9
19C	Privacy	[33] 4.2	c12	c12	[33] 4.2	c13	c13
20	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c8	c8
21	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
22	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
23	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
24	Route	[26] 20.34	m	m	[26] 20.34	m	m
25	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
26	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c9:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c10:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c11:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c12:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c13:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/12 - - OPTIONS request

Table A.234: Supported message bodies within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.235: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.

Prerequisite A.163/13 - - OPTIONS response

Table A.236: Supported headers within the OPTIONS response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c3	c3
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
11	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
11A	P-Asserted-Identity	[34] 9.1	c5	c5	[34] 9.1	c6	c6
11B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c8	n/a

11C	Privacy	[33] 4.2	c7	c7	[33] 4.2	c8	c8
11DA	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	m	m	[26] 20.43	i	i
<p>c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.</p> <p>c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.</p> <p>c3: IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.</p> <p>c4: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.</p> <p>c5: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c6: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.</p> <p>c7: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p> <p>c8: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.</p>							

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/6 - - 2xx

Table A.237: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
5	Contact	[26] 20.10	m	m	[26] 20.10	i	i
6	From	[26] 20.20	m	m	[26] 20.20	m	m
9	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
10	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
12	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p> <p>c3: IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.</p>							

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.238: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c1: IF A.162/19E THEN m ELSE i - - deleting Contact headers.</p> <p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p>							

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.239: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.240: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.241: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.242: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.243: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.244: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.245: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/13 - - OPTIONS response

Table A.246: Supported message bodies within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.10 PRACK method

Prerequisite A.163/14 - - PRACK request

Table A.247: Supported headers within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	From	[26] 20.20	m	m	[26] 20.20	m	m
15	Max-Forwards	[26] 20.22	o	o	[26] 20.22	n/a	n/a
16	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
16A	Privacy	[33] 4.2	c8	c8	[33] 4.2	c9	c9
17	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
18	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
19	RAck	[27] 7.2	m	m	[27] 7.2	i	i
20	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
21	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
22	Route	[26] 20.34	m	m	[26] 20.34	m	m
23	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
24	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
25	To	[26] 20.39	m	m	[26] 20.39	m	m
26	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
27	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:		IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.					
c2:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c3:		IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.					
c4:		IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.					
c5:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c6:		IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.					
c7:		IF A.162/14 THEN 0 ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.					
c8:		IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c9:		IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

Prerequisite A.163/14 - - PRACK request

Table A.248: Supported message bodies within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.249: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						

Prerequisite A.163/15 - - PRACK response

Table A.250: Supported headers within the PRACK response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c2
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c2
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c2
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c2
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c2
10A	Privacy	[33] 4.2	c3	c3	[33] 4.2	c4	c4
10BA	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c2:		IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.					
c3:		IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c4:		IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.					

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/6 - - 2xx

Table A.251: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
0B	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
1	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c3:		IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.					

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.252: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.253: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.254: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.255: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.256: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.257: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.258: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.259: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/15 - - PRACK response

Table A.260: Supported message bodies within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.11 REFER method

Prerequisite A.163/16 - - REFER request

Table A.261: Supported headers within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	m	m	[26] 20.1	i	i
0B	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
1	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
1A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
4	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
5	Contact	[26] 20.10	m	m	[26] 20.10	i	i
5A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
5B	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
5C	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
6	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
7	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
8	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
9	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
10	Expires	[26] 20.19	m	m	[26] 20.19	i	i
11	From	[26] 20.20	m	m	[26] 20.20	m	m
12	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
13	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
14	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
16A	P-Asserted-Identity	[34] 9.1	c9	c9	[34] 9.1	c10	c10
16B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c8	c8

16C	Privacy	[33] 4.2	c11	c11	[33] 4.2	c12	c12
15	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
16	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
17	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
18	Refer-To	[36] 3	c3	c3	[36] 3	c4	c4
19	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
20	Route	[26] 20.34	m	m	[26] 20.34	m	m
20A	Subject	[26] 20.36	m	m	[26] 20.36	i	i
21	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
22	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
23	To	[26] 20.39	m	m	[26] 20.39	m	m
24	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
25	Via	[26] 20.42	m	m	[26] 20.42	m	m
<p>c1: IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.</p> <p>c2: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.</p> <p>c3: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.</p> <p>c4: IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.</p> <p>c5: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p> <p>c6: IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.</p> <p>c7: IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.</p> <p>c8: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.</p> <p>c9: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c10: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.</p> <p>c11: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p> <p>c12: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.</p> <p>NOTE: c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.</p>							

Prerequisite A.163/16 - - REFER request

Table A.262: Supported message bodies within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.263: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.							

Prerequisite A.163/17 - - REFER response

Table A.264: Supported headers within the REFER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
2	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
3	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
4	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
5	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
6	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
7	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
8	From	[26] 20.20	m	m	[26] 20.20	m	m
9	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
10	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
10A	P-Asserted-Identity	[34] 9.1	c4	c4	[34] 9.1	c5	c5
10B	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c3	n/a
10C	Privacy	[33] 4.2	c6	c6	[33] 4.2	c7	c7
10DA	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses. c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header. c3: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity. c4: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks. c5: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network. c6: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP). c7: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.							

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/7 - - 202 (Accepted)

Table A.265: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	i	i
5	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER. c3: IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.							

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.266: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 - - 401 (Unauthorized)

Table A.267: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.268: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.269: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.270: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.271: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.272: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.273: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/17 - - REFER response

Table A.274: Supported message bodies within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.12 REGISTER method

Prerequisite A.163/18 - - REGISTER request

Table A.275: Supported headers within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
7	Call-Info	[26] 20.9	m	m	[26] 20.9	c2	c2
8	Contact	[26] 20.10	m	m	[26] 20.10	i	i
9	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
10	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
11	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
12	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
13	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
14	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
15	Date	[26] 20.17	m	m	[26] 20.17	m	m
16	Expires	[26] 20.19	m	m	[26] 20.19	i	i
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
19	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
20	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
20A	Path	[35] 4.2	c6	c6	[35] 4.2	c6	c6
20B	Privacy	[33] 4.2	c8	c8	[33] 4.2	c9	c9
21	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c7	c7
22	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
23	Require	[26] 20.32	m	m	[26] 20.32	c4	c4
24	Route	[26] 20.34	m	m	[26] 20.34	m	m
25	Supported	[26] 20.37	m	m	[26] 20.37	c5	c5
26	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
27	To	[26] 20.39	m	m	[26] 20.39	m	m
28	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c5:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c6:	IF A.162/29 THEN m ELSE n/a - - PATH header support.						
c7:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c8:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c9:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/18 - - REGISTER request

Table A.276: Supported message bodies within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/1 - - 100 (Trying)

Table A.277: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
3	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
4	Date	[26] 20.17	m	m	[26] 20.17	m	m
5	From	[26] 20.20	m	m	[26] 20.20	m	m
6	To	[26] 20.39	m	m	[26] 20.39	m	m
7	Via	[26] 20.42	m	m	[26] 20.42	m	m

Prerequisite A.163/19 - - REGISTER response

Table A.278: Supported headers within the REGISTER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c2	c2
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	m	m
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
11	Organization	[26] 20.25	m	m	[26] 20.25	c1	c1
11A	Privacy	[33] 4.2	c3	c3	[33] 4.2	c4	c4
11BA	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
14	Via	[26] 20.42	m	m	[26] 20.42	m	m
15	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:		IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.					
c2:		IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.					
c3:		IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c4:		IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.					

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/6 - - 2xx

Table A.279: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
5	Contact	[26] 20.10	m	m	[26] 20.10	i	i
6	Path	[35] 4.2	c3	c3	[35] 4.2	c4	c4
7	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Service-Route	[38] 6	c5	c5	[38] 6	c6	c7
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c2:	IF A.3/2 OR A.3/3A THEN m ELSE n/a - - P-CSCF or I-CSCF (THIG)						
c3:	IF A.162/29 THEN m ELSE n/a - - Path extension support						
c4:	IF A.162/29 THEN i ELSE n/a - - Path extension support						
c5:	IF A.162/32 THEN m ELSE n/a - - Service-Route extension support						
c6:	IF A.162/32 THEN i ELSE n/a - - Service-Route extension support						
c7:	IF A.162/32 THEN (IF A.3/2 THEN m ELSE I) ELSE n/a - - Service-Route extension and P-CSCF						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.280: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	c2	c2
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c2:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.281: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c1:		IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.282: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
6	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.283: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
2	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.284: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.285: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
7	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.286: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/17 THEN m ELSE i						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/29 - - 423 (Interval Too Brief)

Table A.287: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	o		[26] 20.18	o	
5	Min-Expires	[26] 20.23	m	m	[26] 20.23	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.288: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/19 - - REGISTER response

Table A.289: Supported message bodies within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.13 SUBSCRIBE method

Prerequisite A.163/20 - - SUBSCRIBE request

Table A.290: Supported headers within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
5	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
6	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
6A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
7	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
8	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
9	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
10	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
11	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
12	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
13	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
14	Event	[28] 8.2.1	m	m	[28] 8.2.1	m	m
15	Expires	[26] 20.19	m	m	[26] 20.19	i	i
16	From	[26] 20.20	m	m	[26] 20.20	m	m
17	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
18	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
18A	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
18B	P-Asserted-Identity	[34] 9.1	c9	c9	[34] 9.1	c10	c10
18C	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c8	c8
18D	Privacy	[33] 4.2	c11	c11	[33] 4.2	c12	c12
19	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c4	c4
20	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
21	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
22	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
23	Route	[26] 20.34	m	m	[26] 20.34	m	m
24	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
25	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
26	To	[26] 20.39	m	m	[26] 20.39	m	m
27	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN m ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.						
c9:	IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.						
c10:	IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.						
c11:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c12:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/20 - - SUBSCRIBE request

Table A.291: Supported message bodies within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/21 - - SUBSCRIBE response

Table A.292: Supported headers within the SUBSCRIBE response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	i
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	i
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	i
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	i
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	i
10A	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
10B	P-Asserted-Identity	[34] 9.1	c4	c4	[34] 9.1	c5	c5
10C	P-Preferred-Identity	[34] 9.2	x	x	[34] 9.2	c8	n/a

10D	Privacy	[33] 4.2	c6	c6	[33] 4.2	c7	c7
10E	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
<p>c1: IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.</p> <p>c2: IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.</p> <p>c3: IF A.162/30A THEN m ELSE n/a - - act as first entity within the trust domain for asserted identity.</p> <p>c4: IF A.162/30 THEN m ELSE n/a - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks.</p> <p>c5: IF A.162/30A or A.162/30B THEN m ELSE i - - extensions to the Session Initiation Protocol (SIP) for asserted identity within trusted networks or subsequent entity within trust network that can route outside the trust network.</p> <p>c6: IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).</p> <p>c7: IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.</p>							

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/6 AND A.164/7 - - 2xx

Table A.293: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
1A	Contact	[26] 20.10	m	m	[26] 20.10	i	i
2	Expires	[26] 20.19	m	m	[26] 20.19	i	i
3	Record-Route	[26] 20.30	m	m	[26] 20.30	c3	c3
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p> <p>c3: IF A.162/15 THEN m ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.</p>							

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.294: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
<p>c1: IF A.162/19E THEN m ELSE i - - deleting Contact headers.</p> <p>c2: IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.</p>							

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.295: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.296: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
3	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.297: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.298: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.299: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.300: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/29 - - 423 (Interval Too Brief)

Table A.301: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	o		[26] 20.18	o	
2	Min-Expires	[26] 20.23	m	m	[26] 20.23	i	i
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/34 - - 484 (Address Incomplete)

Table A.302: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
2	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/39 - - 489 (Bad Event)

Table A.303: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
1	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c3	c3
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/21 - - SUBSCRIBE response

Table A.304: Supported message bodies within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

A.2.2.4.14 UPDATE method

Prerequisite A.163/22 - - UPDATE request

Table A.305: Supported headers within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
5	Allow-Events	[28] 8.2.2	m	m	[28] 8.2.2	c1	c1
6	Authorization	[26] 20.7	m	m	[26] 20.7	i	i
7	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
8	Call-Info	[26] 20.9	m	m	[26] 20.9	c8	c8
9	Contact	[26] 20.10	m	m	[26] 20.10	i	i
10	Content-Disposition	[26] 20.11	m	m	[26] 20.11	c4	c4
11	Content-Encoding	[26] 20.12	m	m	[26] 20.12	c4	c4
12	Content-Language	[26] 20.13	m	m	[26] 20.13	c4	c4
13	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
14	Content-Type	[26] 20.15	m	m	[26] 20.15	c4	c4
15	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
16	Date	[26] 20.17	m	m	[26] 20.17	c2	c2
17	From	[26] 20.20	m	m	[26] 20.20	m	m
18	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
19	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c4
20	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
20A	Privacy	[33] 4.2	c10	c10	[33] 4.2	c11	c11
21	Proxy-Authorization	[26] 20.28	m	m	[26] 20.28	c9	c9
22	Proxy-Require	[26] 20.29	m	m	[26] 20.29	m	m
23	Record-Route	[26] 20.30	m	m	[26] 20.30	c7	c7
24	Require	[26] 20.32	m	m	[26] 20.32	c5	c5
25	Route	[26] 20.34	m	m	[26] 20.34	m	m
26	Supported	[26] 20.37	m	m	[26] 20.37	c6	c6
27	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
28	To	[26] 20.39	m	m	[26] 20.39	m	m
29	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
30	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i - - SIP specific event notification extension.						
c2:	IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.						
c3:	IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.						
c4:	IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c6:	IF A.162/16 THEN m ELSE i - - reading the contents of the Supported header before proxying the response.						
c7:	IF A.162/14 THEN o ELSE i - - the requirement to be able to insert itself in the subsequent transactions in a dialog.						
c8:	IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.						
c9:	IF A.162/8A THEN m ELSE i - - authentication between UA and proxy.						
c10:	IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).						
c11:	IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.						
NOTE:	c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.						

Prerequisite A.163/22 - - UPDATE request

Table A.306: Supported message bodies within the UPDATE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

Prerequisite A.163/22 - - UPDATE response

Table A.307: Supported headers within the UPDATE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[26] 20.8	m	m	[26] 20.8	m	m
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
2	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c3
3	Content-Encoding	[26] 20.12	m	m	[26] 20.12	i	c3
4	Content-Language	[26] 20.13	m	m	[26] 20.13	i	c3
5	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6	Content-Type	[26] 20.15	m	m	[26] 20.15	i	c3
7	Cseq	[26] 20.16	m	m	[26] 20.16	m	m
8	Date	[26] 20.17	m	m	[26] 20.17	c1	c1
9	From	[26] 20.20	m	m	[26] 20.20	m	m
10	MIME-Version	[26] 20.24	m	m	[26] 20.24	i	c3
10A	Organization	[26] 20.25	m	m	[26] 20.25	c2	c2
10B	Privacy	[33] 4.2	c5	c5	[33] 4.2	c6	c6
10CB	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	m	m	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
12A	User-Agent	[26] 20.41	m	m	[26] 20.41	i	i
13	Via	[26] 20.42	m	m	[26] 20.42	m	m
14	Warning	[26] 20.43	m	m	[26] 20.43	i	i
c1:		IF A.162/9 THEN m ELSE i - - insertion of date in requests and responses.					
c2:		IF A.162/19A OR A.162/19B THEN m ELSE i - - reading, adding or concatenating the Organization header.					
c3:		IF A.3/2 OR A.3/4 THEN m ELSE i - - P-CSCF or S-CSCF.					
c4:		IF A.162/19C OR A.162/19D THEN m ELSE i - - reading, adding or concatenating the Call-Info header.					
c5:		IF A.162/31 THEN m ELSE n/a - - a privacy mechanism for the Session Initiation Protocol (SIP).					
c6:		IF A.162/31D OR A.162/31G THEN m ELSE IF A.162/31C THEN i ELSE n/a - - application of the privacy option "header" or application of the privacy option "id" or passing on of the Privacy header transparently.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/6 - - 2xx

Table A.308: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
0A	Accept	[26] 20.1	m	m	[26] 20.1	i	i
0B	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
0C	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
3	Contact	[26] 20.10	m	m	[26] 20.10	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					
c3:		IF A.162/15 THEN o ELSE i - - the requirement to be able to use separate URIs in the upstream direction and downstream direction when record routing.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 - - 3xx

Table A.309: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	From	[26] 20.20	m	m	[26] 20.20	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:		IF A.162/19E THEN m ELSE i - - deleting Contact headers.					
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/14 - - 401 (Unauthorized)

Table A.309A: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/17 OR A.164/23 OR A.164/30 OR A.164/36 OR A.164/42 OR A.164/45 OR A.164/50 OR A.164/51 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.310: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
5	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:		IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.					

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/18 - - 405 (Method Not Allowed)

Table A.311: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/20 - - 407 (Proxy Authentication Required)

Table A.312: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	WWW-Authenticate	[26] 20.44	m	m	[26] 20.44	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/25 - - 415 (Unsupported Media Type)

Table A.313: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[26] 20.1	m	m	[26] 20.1	i	i
2	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
3	Accept-Language	[26] 20.3	m	m	[26] 20.3	i	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
6	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
8	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/27 - - 420 (Bad Extension)

Table A.314: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						
c3:	IF A.162/18 THEN m ELSE i - - reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/8 OR A.164/9 OR A.164/10 OR A.164/11 OR A.164/12 OR A.164/35 - - 3xx or 485 (Ambiguous)

Table A.315: Supported headers within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	m	m	[26] 20.10	c1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
c1:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i - - reading the contents of the Require header before proxying the request or response or adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER.						

Prerequisite A.163/23 - - UPDATE response

Table A.316: Supported message bodies within the UPDATE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1							

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 296** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Profile references relating to registration		
Source:	⌘ Lucent Technologies		
Work item code:	⌘ IMS-CCR	Date:	⌘ 03/01/2003
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ Clause 5.1.1 contains a reference to the profile which is meant to be a reference to the UA role major capability relating to client procedures for registration. However the reference is incorrect. Clause 5.5.1 also contains references to the profile which is meant to be a reference to the UA role major capability relating to client procedures for registration. This reference is also incorrect. Additionally there is a reference that is meant to be to the major capability for registrar behaviour. This reference is probably no longer necessary.
Summary of change:	⌘ In clause 5.1.1, the reference is corrected. In clause 5.5.1, the reference is corrected, and the incorrect reference removed, and the text aligned with that of clause 5.1.1
Consequences if not approved:	⌘ Document will refer to wrong part of profile.

Clauses affected:	⌘ 5.1.1, 5.5.1						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘						

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

FIRST PROPOSED CHANGE

5.1.1.1 General

The UE shall register public user identities (see table [A.3/1](#)/[A.4/1](#) and dependencies on that major capability).

In case a UE registers several public user identities at different points in time, the procedures to re-register, deregister and subscribe to the registration-state event package for these public user identities can remain uncoordinated in time.

SECOND PROPOSED CHANGE

5.5.1 General

The MGCF, although acting as a UA, does not initiate any registration of its associated addresses. These are assumed to be known by peer-to-peer arrangements within the IM CN subsystem. Therefore ~~the dependencies of table [A.3/1](#)/[A.4/1](#) and table [A.3/2](#)~~ and dependencies on that major capability shall not apply.

The use of the Path and Service-Route headers shall not be supported by the MGCF.

When the MGCF sends any request or response related to a dialog or standalone transaction, the MGCF may insert previously saved values into P-Charging-Vector and P-Charging-Function-Addresses headers before sending the message.

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 297** ⌘ rev **2** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Reference corrections		
Source:	⌘ Lucent Technologies		
Work item code:	⌘ IMS-CCR	Date:	⌘ 03/01/2003
Category:	⌘ F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	⌘ Rel-5 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ <ul style="list-style-type: none"> The 3GPP P-headers draft has now been assigned a number and there have been minor modifications to the title. The sec-agree draft has now been assigned a number and there have been minor modifications to the title. The sigcomp-sip-dictionary draft has now been assigned a number and there have been minor modifications to the title. The sip-compression draft has now been assigned a number and there have been minor modifications to the title. The dates on a number of the references are incorrect, as the dates represent date of approval and they should reflect date of publication. In some cases a number of minor changes have taken place to titles in the publication process and these changes need to be reflected. A couple of references are missing final full stops. In 7.2 a reference, requires also the insertion of a new reference [9A] to 25.331.
Summary of change:	⌘ Changes in clause 2 to reflect the above, changes in clause 5.1, 4.2, 8 to reflect these changes to the references..
Consequences if not approved:	⌘ Inaccurate references.

Clauses affected:	⌘ 2, 5.1.1.2, 5.1.1.4, 5.1.1.5.1, 5.2.2, 8.1.1, 8.2.1							
Other specs	⌘	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
Y	N							
<input type="checkbox"/>	<input checked="" type="checkbox"/>							

affected:	<input checked="" type="checkbox"/>	Test specifications	
	<input checked="" type="checkbox"/>	O&M Specifications	
Other comments:	⌘		

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

FIRST PROPOSED CHANGE

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 23.002: "Network architecture".
- [3] 3GPP TS 23.003: "Numbering, addressing and identification".
- [4] 3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".
- [5] 3GPP TS 23.218: "IP Multimedia (IM) Session Handling; IM call model".
- [6] 3GPP TS 23.221: "Architectural requirements".
- [7] 3GPP TS 23.228: "IP multimedia subsystem; Stage 2".
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- [43] draft-ietf-sipping-reg-event-00 (October 2002): "A Session Initiation Protocol (SIP) Event Package for Registrations".

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- [44] Void.

- [45] Void.

- [46] Void.

- [47] Void.

- [48] ~~draft-ietf-sip-sec-agree-04.txt~~ RFC 3329 (~~June 2002~~ January 2003): "Security Mechanism Agreement for the Session Initiation Protocol (SIP) Sessions".

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- [49] RFC 3310 (~~May~~ September 2002): "Hypertext Transfer Protocol (HTTP) Digest Authentication Using Authentication and Key Agreement (AKA)".

- [50] RFC 3428 (December 2002): "Session Initiation Protocol (SIP) Extension for Instant Messaging".

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~~Editor's note: The above document cannot be formally referenced until it is published as an RFC.~~

SECOND PROPOSED CHANGE

5.1.1.2 Initial registration

The UE can register a public user identity at any time that a valid PDP context exists. However, the UE shall only initiate a new registration procedure when it has received a final response from the registrar for the ongoing registration, or the previous REGISTER request has timed out.

A REGISTER request may be integrity protected using IK, see 3GPP TS 33.203 [19], derived as a result of an earlier registration.

The public user identity to be registered can be extracted either from the ISIM application, if present, on the UICC or derived from the USIM, according to the procedures described in subclause 5.1.1.1A. A public user identity may be input by the end user. On sending a REGISTER request, the UE shall populate the header fields as follows:

- a) the username field carried in the Authorization header, shall contain the private user identity;

- b) the From header shall contain the public user identity to be registered;
- c) the To header shall contain the public user identity to be registered;
- d) the Expires header, or the expires parameter within the Contact header, shall contain 600 000 seconds as the value desired for the duration of the registration;
- e) a Request-URI that contains the SIP URI of the domain name of the home network; and
- f) the Security-Client header field by specifying the security mechanism it supports, the IPSec layer algorithms it supports and the parameters needed for the security association setup. For further details see 3GPP TS 33.203 [19] and ~~draft-ietf-sip-sec-agree~~[RFC 3329](#) [48].

NOTE: The registrar (S-CSCF) might decrease the duration of the registration in accordance with network policy. Registration attempts with a registration period of less than a predefined minimum value defined in the registrar will be rejected with a 423 (Interval Too Brief) response.

The UE shall extract or derive from the UICC a public user identity, the private user identity, and the domain name to be used in the Request-URI in the registration, according to the procedures described in subclause 5.1.1.1A.

The UE shall include a Supported header containing the option tag "path".

The UE shall also include the P-Access-Network-Info header in the REGISTER request. This header shall contain information concerning the access network technology and, if applicable, the cell ID (see subclause 7.2.3).

On receiving the 200 (OK) response to the REGISTER request, the UE shall store the expiration time of the registration for the public user identities found in the To header value. The UE shall also store the list of URIs contained in the P-Associated-URI header value. This list contains the URIs that are associated to the registered public user identity. In order to build a proper preloaded Route header value for new dialogs, the UE shall also store the list of Service Route headers contained in the Service-Route header.

When a 401 (Unauthorized) response to a REGISTER is received the UE shall behave as described in subclause 5.1.1.5.1.

On receiving a 423 (Interval Too Brief) too brief response to the REGISTER request, the UE shall:

- send another REGISTER request populating the Expires header or the expires parameter with an expiration timer of at least the value received in the Min-Expires header of the 423 (Interval Too Brief) response.

THIRD PROPOSED CHANGE

5.1.1.4 User-initiated re-registration

The UE can reregister a previously registered public user identity at any time.

The UE shall reregister the public user identity 600 seconds before the expiration time of a previous registration, unless either the user or the application within the UE has determined that a continued registration is not required. If the registration period indicated from the S-CSCF is less than 600 seconds, the UE shall reregister when half of the registration period has expired.

The UE shall integrity protect the REGISTER request using IK, see 3GPP TS 33.203 [19], derived as a result of an earlier registration, if IK is available.

On sending a REGISTER request, the UE shall include the following elements:

- a) an Authorization header, with the username field set to the value of the private user identity;
- b) a From header set to the SIP URL that contains the public user identity to be registered;
- c) a To header set to the SIP URL that contains the public user identity to be registered;

- d) a Contact header set to a SIP URL that contains in the hostport parameter the IP address and protected port values that are bound to the security association.

NOTE 1: If the UE specifies its FQDN in the host parameter in the Contact header, then it has to ensure that the given FQDN will resolve (e.g., by inverse DNS lookup) to the IP address that is bound to the security association.

- e) an Expires header, or an expires parameter within the Contact header, set to 600 000 seconds as the value desired for the duration of the registration;
- f) a Request-URI that contains the SIP URI of the domain name of the home network; and
- g) a Security-Client header field, specifying the security mechanism it supports, the IPSec layer algorithms it supports and the parameters needed for the security association setup. For further details see 3GPP TS 33.203 [19] and ~~draft-ietf-sip-sec-agree~~[RFC 3329](#) [48].

NOTE 2: The registrar (S-CSCF) might decrease the duration of the registration in accordance with network policy. Registration attempts with a registration period of less than a predefined minimum value defined in the registrar will be rejected with a 423 (Interval Too Brief) response.

NOTE 3: The 401 (Unauthorized) challenge sent back by the S-CSCF to the UE as a response to the REGISTER request is piggybacked by the P-CSCF to insert the Security-Server header field in it. The S-CSCF authenticates the UE, while the P-CSCF negotiates and sets up the security association with the UE during the same registration procedure.

The UE shall extract or derive from the UICC a public user identity, the private user identity, and the domain name to be used in the Request-URI in the registration, according to the procedures described in subclause 5.1.1.1A.

The UE shall also include the P-Access-Network-Info header in the REGISTER request. This header shall contain information concerning the access network technology and, if applicable, the cell ID (see subclause 7.2.3).

On receiving the 200 (OK) response to the REGISTER request, the UE shall store the new expiration time of the registration for this public user identity found in the To header value. The UE shall also store the list of URIs contained in the P-Associated-URI header value. This list contains the URIs that are associated to the registered public user identity.

The UE shall include a Supported header containing the option tag "path".

When a 401 (Unauthorized) response to a REGISTER is received the UE shall behave as described in subclause 5.1.1.5.1.

On receiving a 423 (Interval Too Brief) response to the REGISTER request, the UE shall:

- send another REGISTER request populating the Expires header or the expires parameter with an expiration timer of at least the value received in the Min-Expires header of the 423 (Interval Too Brief) response.

FOURTH PROPOSED CHANGE

5.1.1.5.1 General

Authentication is achieved via the registration and re-registration procedures. When the network requires authentication or re-authentication of the UE, the UE will receive a 401 (Unauthorized) response to the REGISTER request.

On receiving a 401 (Unauthorized) response to the REGISTER request, the UE shall:

- check the validity of a received authentication challenge, as described in 3GPP TS 33.102 [18] i.e. the locally calculated MAC must match the MAC parameter derived from the AUTN part of the challenge; and the SQN parameter derived from the AUTN part of the challenge must be within the correct range; and
- check the existence of the Security-Server header as described in ~~draft-sip-see-agree~~[RFC 3329](#) [48]. If the header is not present, the UE shall send a new REGISTER request.

In the case that the 401 (Unauthorized) response to the REGISTER request is deemed to be valid the UE shall:

- extract the RAND and AUTN parameters, and derive the keys CK and IK;
- set up the security association based on the static list it received in the 401 (Unauthorized) and its capabilities sent in the Security-Client header in the REGISTER request. The UE shall set up the security association using the most preferred mechanism and algorithm returned by the P-CSCF and supported by the UE and using CK and IK as shared keys; and
- send another REGISTER request using the derived IK to integrity protect the message. The header fields are populated as defined for the initial request, with the addition that the UE shall include an Authorization header containing the private user identity and the authentication challenge response (RES parameter). Instead of the Security-Client header the UE shall insert the Security-Verify header into the request, by mirroring in it the content of the Security-Server header received in the 401 (Unauthorized) response. The Call-ID of the integrity protected REGISTER request which carries RES must be the same as the Call-ID of the 401 (Unauthorized) response which carried the challenge.

On receiving the 200 (OK) for the integrity protected REGISTER request, the UE shall start using the security association the 200 (OK) was protected with.

Whenever the 200 (OK) response is not received after a time-out, the UE shall consider the registration to have failed. The UE shall delete the new security associations it was trying to establish, and use the old security association.

In the case that the 401 (Unauthorized) response is deemed to be invalid then the UE shall behave as defined in subclause 5.1.1.5.3.



5.2.2 Registration

When the P-CSCF receives a REGISTER request from the UE, the P-CSCF shall:

- 1) insert a Path header in the request including an entry containing:
 - the SIP URL identifying the P-CSCF;
 - an indication that requests routed in this direction of the path (i.e. from the S-CSCF to the P-CSCF) are expected to be treated as for the mobile-terminating case. This indication may e.g. be in a parameter in the URL, a character string in the user part of the URL, or be a port number in the URL;
- 2) insert a Require header containing the option tag "path";
- 3) for the initial REGISTER request for a public user identity create a new, globally unique value for icid, save it locally and insert it into the icid parameter of the P-Charging-Vector header (see subclause 7.2.5);
- 4) insert the parameter "integrity-protected" (described in subclause 7.2A.2) with a value "yes" into the Authorization header field in case the REGISTER request was received integrity protected, otherwise insert the parameter with the value "no";
- 5) in case the REGISTER request was received without integrity protection, then check the existence of the Security-Client header. If the header is present, then remove and store it. The P-CSCF shall remove the 'sec-agree' item from the Require header, and the header itself if this is the only entry. If the header is not present, then the P-CSCF shall return a suitable 4xx response;

- 6) in case the REGISTER request was received integrity protected, then the P-CSCF shall:
 - check the security association which protected the request. If that has a temporary lifetime, then the request shall contain a Security-Verify header. If there is no such header, then the P-CSCF shall return a suitable 4xx error code. If there is such header, then compare the content of the Security-Verify header with the local static list. If those do not match, then there is a potential man-in-the-middle attack. The request should be rejected by sending a suitable 4xx response. If the contents match, the P-CSCF shall remove the Security-Verify header, and the "sec-agree" item from the Require header, and the header itself if this is the only entry;
 - if the security association the REGISTER request came is an established one, then a Security-Verify header is not expected to be included. If the Security-Verify header is present, then the P-CSCF shall remove that header together with the 'Require: sec-agree' header; and
 - check if the private user identity conveyed in the integrity-protected REGISTER request is the same as the private user identity which was previously challenged or authenticated. If the private user identities are different, the P-CSCF shall reject the REGISTER request by returning a 403 (Forbidden) response;
- 7) insert a P-Visited-Network-ID header field, with the value of a pre-provisioned string that identifies the visited network at the home network; and
- 8) determine the I-CSCF of the home network and forward the request to that I-CSCF.

When the P-CSCF receives a 401 (Unauthorized) response to a REGISTER request, the P-CSCF shall:

- 1) remove the CK and IK values contained in the 401 (Unauthorized) response and bind them to the proper private user identity and security association. The P-CSCF shall forward the 401 (Unauthorized) response to the UE if and only if the CK and IK have been removed;
- 2) insert the Security-Server header in the response, containing the P-CSCF static security list. For further information see 3GPP TS 33.203 [19]; and
- 3) set up the security association with a temporary lifetime between the UE and the P-CSCF for the user identified with the private user identity. For further details see 3GPP TS 33.203 [19] and ~~draft-sip-see-agree~~[RFC 3329](#) [48]. The P-CSCF shall set the SIP level lifetime of the security association to be long enough to permit the UE to finalize the registration procedure (bigger than 64*T1). The P-CSCF shall set the IPSec level lifetime of the security association to the maximum.

When the P-CSCF receives a 200 (OK) response to a REGISTER request, the P-CSCF shall check the value of the Expires header field and/or Expires parameter in the Contact header. When the value of the Expires header field and/or expires parameter in the Contact header is different than zero, then the P-CSCF shall:

- 1) save the list of Service-Route headers preserving the order. The P-CSCF shall store this list during the entire registration period of the respective public user identity. The P-CSCF shall use this list to validate the routing information in the requests originated by the UE. If this registration is a re-registration, the P-CSCF shall replace the already existing list of Service-Route headers with the new list;
- 2) associate the Service-Route header list with the registered public user identity;
- 3) store the public user identities found in the P-Associated-URI header value, as those that are authorized to be used by the UE;
- 4) store the default public user identity for use with procedures for the P-Asserted-Identity. The default public user identity is the first on the list of URIs present in the P-Associated-URI header;

NOTE 1: There may be more than one default public user identities stored in the P-CSCF, as the result of the multiple registrations of public user identities.

- 5) store the values received in the P-Charging-Function-Addresses header;
- 6) update the SIP level lifetime of the security association with the value found in the Expires header;
- 7) protect the response within the same security association to that in which the associated request was protected;
- 8) delete all earlier security associations and related keys it may have towards the UE, when a message protected within the newly set up security association is received; and

- 9) delete the new security associations that it was trying to establish with the UE, in case the P-CSCF receives a message from the UE protected with the old security association.

NOTE 2: The P-CSCF will maintain two Route header lists. The first Route header list - created during the registration procedure - is used only to validate the routing information in the initial requests that originate from the UE. This list is valid during the entire registration of the respective public user identity. The second Route list - constructed from the Record Route headers in the initial INVITE and associated response - is used during the duration of the call. Once the call is terminated, the second Route list is discarded.

The P-CSCF shall delete any security association from the IPsec database when their SIP level lifetime expires.

SIXTH PROPOSED CHANGE

8 SIP compression

8.1 SIP compression procedures at the UE

8.1.1 SIP compression

The UE shall support SigComp as specified in RFC 3320 [32]. The compartment shall start when a SigComp message is received within a security association and shall finish when the UE is no longer registered. State creations and announcements shall be allowed only for messages received in a security association.

The UE shall support the SIP dictionary specified in ~~draft-ietf-sipping-sigcomp-dictionary~~ RFC 3485 [42]. If compression is enabled, the UE shall use the dictionary to compress the first message.

8.1.2 Compression of SIP requests and responses transmitted to the P-CSCF

The UE should compress the requests and responses transmitted to the P-CSCF according to subclause 8.1.1.

NOTE: Compression of SIP messages is an implementation option. However, compression is strongly recommended.

8.1.3 Decompression of SIP requests and responses received from the P-CSCF

The UE shall decompress the compressed requests and responses received from the P-CSCF according to subclause 8.1.1.

If the UE detects a decompression failure at the P-CSCF, the recovery mechanism is implementation specific and this may, as an example, include resetting the compartment, changing the algorithm or sending the following message(s) without compression.

8.2 SIP compression procedures at the P-CSCF

8.2.1 SIP compression

The P-CSCF shall support SigComp as specified in RFC 3320 [32]. The compartment shall start when a SigComp message is received within a security association and shall finish when the UE is no longer registered. State creations and announcements shall be allowed only for messages received in a security association.

The P-CSCF shall support the SIP dictionary specified in ~~draft-ietf-sipping-sigeomp-dictionary~~[RFC 3485](#) [42]. If compression is enabled, the P-CSCF shall use the dictionary to compress the first message.

8.2.2 Compression of SIP requests and responses transmitted to the UE

The P-CSCF should compress the requests and responses transmitted to the UE according to subclause 8.2.1.

NOTE: Compression of SIP messages is an implementation option. However, compression is strongly recommended.

8.2.3 Decompression of SIP requests and responses received from the UE

The P-CSCF shall decompress the compressed requests and responses received from the UE according to subclause 8.2.1.

If the P-CSCF detects a decompression failure at the UE, the recovery mechanism is implementation specific and this may, as an example, include resetting the compartment, changing the algorithm or sending the following message(s) without compression.