Source: **TSG CN WG 1**

Title: **CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 6**

Agenda item: **8.1**

Document for: **APPROVAL**

Introduction:

This document contains **9** CRs, **Rel-5** Work Item **"IMS-CCR"**, that have been agreed by **TSG CN WG1**, and are forwarded to TSG CN Plenary meeting #18 for approval.

Spec	CR #	Rev	CAT	Rel	Tdoc Title	Meeting	TDoc #	C_Version
24.229	267	1	F	Rel-5	Correction to network initiated re-authentication procedure	N1-27	N1-022449	5.2.0
24.229	268	1	F	Rel-5	Registration Expires Timer Default Setting	N1-27	N1-022439	5.2.0
24.229	269	1	F	Rel-5	Clarification on Sh interface for charging purposes	N1-27	N1-022465	5.2.0
24.229	270	2	F	Rel-5	Clarifications on the scope	N1-27	N1-022500	5.2.0
24.229	273	1	F	Rel-5	Add charging info for SUBSCRIBE	N1-27	N1-022467	5.2.0
24.229	274	1	F	Rel-5	Profile revisions for RFC 3261 headers	N1-27	N1-022413	5.2.0
24.229	275		F	Rel-5	Consistency changes for SDP procedures at MGCF	N1-27	N1-022345	5.2.0
24.229	276		F	Rel-5	Proxy support of PRACK	N1-27	N1-022350	5.2.0
24.229	277		F	Rel-5	Clarification of transparent handling of parameters in profile	N1-27	N1-022351	5.2.0

CR-Form-v7

CHANGE REQUEST

⌘ **24.229 CR 267** ⌘**rev 1** ⌘ Current version: **5.2.0** ⌘

*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 **X**

Title: ⌘	Correction to network initiated re-authentication procedure

Source: ⌘	Vodafone

Work item code:⌘	IMS-CCR	***Date:*** ⌘	31/10/2002

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 <u>TR 21.900</u>.

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: ⌘	Currently there are no procedures to specify what the S-CSCF should do in the case where it cannot inform the UE that re-authentication is required.
Summary of change:⌘	Add a general mechanism for the network to locally de-register a UE when the authentication procedure has failed in some way (e.g. the UE has not subscribed to its registration event package).
Consequences if not approved: ⌘	Weakened security for IMS

Clauses affected: ⌘	5.4.1.6

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

Other comments: ⌘	

How to create CRs using this form:

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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.

5.4.1.6   Network-initiated reauthentication

The S-CSCF may request a subscriber to reauthenticate at any time, based on a number of possible operator settable triggers as described in subclause 5.4.1.2.

If the S-CSCF is informed that a private user identity needs to be re-authenticated, the S-CSCF shall generate a NOTIFY request on all dialogs (i.e. the dialog between S-CSCF and the UE and additionally between S-CSCF and P-CSCF) which have been established due to subscription to the reg event package of that user. The S-CSCF shall populate the content of the NOTIFY request and additionally shall:

-    set the Request-URI and Route header to the saved route information during subscription;

-    set the Event header to the "reg" value; and

-    indicate a public user identity of the user for which the private user identity needs to be re-authenticated in the body of the NOTIFY request with the state parameter set to "terminated" and the event parameter set to "deactivated".

Afterwards the S-CSCF shall:

-    wait for the user to reauthenticate (see subclause 5.4.1.2).

NOTE: Network initiated re-authentication might be requested from the HSS or may occur due to internal processing within the S-CSCF.

~~In case S-CSCF receives no data with which it can authenticate the subscriber, the S-CSCF may use other means to request the UE to re-authenticate, e.g. by sending a REFER method in order to request a registration.~~

When generating the NOTIFY request, the S-CSCF shall shorten the validity of subscriber's registration timer to an operator defined value that will allow the user to be re-authenticated. If, for any reason, the re-authentication procedure is not successfully completed,~~user fails to reauthenticate while its registration is still valid,~~ the S-CSCF shall deregister all public user identities associated with the private user identity, as described in subclause 5.4.1.5, and terminate the ongoing sessions of that user.

CR-Form-v7

CHANGE REQUEST

⌘ **24.229** CR **268** ⌘ **rev** **1** ⌘ Current version: **5.2.0** ⌘

*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 **X** Radio Access Network ☐ Core Network **X**

Title: ⌘	Registration Expires Timer Default Setting	
Source: ⌘	Hutchison 3G, Vodafone	
Work item code: ⌘	IMS-CCR	**Date:** ⌘ 11-11-02

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	Rel-4 (Release 4)
be found in 3GPP <u>TR 21.900</u>.	Rel-5 (Release 5)
	Rel-6 (Release 6)

Reason for change: ⌘ In Initial registration it currently says that expires is set to 600000 seconds. The response from the network will reduce this to a reasonable figure. For re-registration it says the UE will use whatever value was received in response to the Initial registration.

This definition has some undesirable consequences e.g.

1. The UE is required to store the time for each public ID registered.

2. For that particular public ID the registration time can not be increased without the UE deregistering the public ID and performing another initial registration.

Operator local policy should allow the registration time to be increased or decreased. As an example, in a busy period an operator may decide to increase the registration times to reduce the amount of signalling. Clearly this cannot be done with the existing definition. In fact the current solutions will have the opposite effect as they will generate additional signalling.

Summary of change: ⌘ The UE is specified to use 600000 as the registration expires timer in all registration requests. This allows the network to always set the registration time to the current desred time, allowing the operator to vary this time as required without incurring additional signalling.

Consequences if not approved: ⌘ Additional signallimg overhead will be required to extend registrations times, which will usually be at busy periods when the operator is attempting to have the opposite effect (i.e. reduce signalling load).

Clauses affected: ⌘ 5.1.1.3, 5.1.1.4, 5.2.3

Y	N

Other specs *affected:*	⌘		**X**	Other core specifications	⌘	
			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.

5.1.1.3   Initial subscription to the registration-state event package

Upon receipt of a 2xx response to the initial registration, the UE shall subscribe to the users reg event package for the public user identity registered as described in subclause 5.1.1.2 at the users registrar (S-CSCF). The reg event package is described in draft-rosenberg-sip-reg-00 [43]. Therefore the UE shall generate a SUBSCRIBE request with the following elements:

- a Request URI set to the resource to which the UE wants to be subscribed to, i.e. to a SIP URL that contains the public user identity;

- a From header set to a SIP URL that contains a public user identity;

- a To header, set to a SIP URL that contains a public user identity;

- an Event header set to the "reg" event package;

- an~~the~~ Expires header, or an~~the~~ expires parameter within the Contact header, ~~shall~~ set to~~contain~~ 600 000 seconds as the value desired for the duration of the ~~registra~~subscription.~~an Expires header set to a value higher than the Expires header of the before sent REGISTER request~~.

The UE shall also include the P-Access-Network-Info header in the SUBSCRIBE request. This header shall contain information concerning the access network technology and, if applicable, the cell ID (see subclause 7.2.3).

Afterwards it shall send out the so generated SUBSCRIBE request.

Upon receipt of a 2xx response to the SUBSCRIBE request, the UE shall store the information for the established dialog and the expiration time as indicated in the Expires header of the received response.

The UE shall automatically resubscribe to the reg event package for a previously registered public user identity if the expiration time, as indicated in the Expires header of the 2xx response to the SUBSCRIBE request, has run out and the public user identity is still registered.

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 REGISTER request shall be integrity protected using IK, see 3GPP TS 33.203 [19], received in an earlier registration, if IK is available.

On sending a REGISTER request, the UE shall include the following elements~~populate the header fields as follows~~:

a) an Authorization header, with the user ID field of the authentication protocol, ~~carried in the Authorization header, shall contain~~set to the value of the private user identity. This shall be extracted from the USIM;

b) a~~the~~ From header ~~shall contain~~set to a SIP URL that contains the public user identity to be registered;

c) a~~the~~ To header ~~shall contain~~set to a SIP URL that contains the public user identity to be registered;

d) ~~the~~an Expires header, or ~~the~~an expires parameter within the Contact header, ~~shall contain~~set to 600 000 seconds as the value desired for the duration of the registration.~~the Expires header, or the expires parameter within the Contact header, should contain the same expiration timer as the expiration timer returned in the 200 (OK) response to the initial REGISTER request~~; and

e) ~~the~~a 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 [48].

NOTE 1: 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 2: The security setup mechanism is not used in the way described in draft-ietf-sip-sec-agree [48]. The 401 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 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 set up the security association based on the static list it received in the 401 and its capabilities sent in the Security-Client header in the REGISTER request. The security association shall be set up using the most preferred mechanism and algorithm returned by the P-CSCF and supported by the UE.

The use of the Path header shall not be supported by the UE.

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.

5.2.3   Subscription to the users registration-state event package

Upon receipt of a 2xx response to the initial REGISTER request of an user, the P-CSCF shall subscribe to the user's reg event package at the users registrar (S-CSCF) as described in draft-rosenberg-sip-reg-00 [43]. Therefore the P-CSCF shall generate a SUBSCRIBE request with the following elements:

- a Request-URI set to the topmost entry of the path information that was obtained during the users registration;

- a From header set to the P-CSCF's SIP URL;

- a To header, set to a SIP URL that contains the public user identity that was previously registered;

- an Event header set to the "reg" event package;

- an Expires header set to a value higher then the Expires header ~~of~~indicated in the ~~before sent~~2xx response to the REGISTER request ~~from the user~~; and

- a Route header according to the path information that was obtained during the users registration. Th S-CSCF shall set the last Route header entry to the resource to which it wants to subscribe to, i.e. to a SIP URL the public user identity that was previously registered.

Afterwards the P-CSCF shall send out the so generated SUBSCRIBE request.

Upon receipt of a 2xx response to the SUBSCRIBE request, the P-CSCF shall store the information for the so established dialog and the expiration time as indicated in the Expires header of the received response.

CR-Form-v7

CHANGE REQUEST

⌘	**24.229** CR **269**	⌘ **rev**	**1**	⌘	Current version:	**5.2.0**	⌘

*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 **X**

Title: ⌘	Clarification on Sh interface for charging purposes	
Source: ⌘	NEC Corporation	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 05/11/2002
Category: ⌘ **F**		***Release:*** ⌘ Rel-5

Use *one* 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 <u>TR 21.900</u>.

Use *one* 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: ⌘	Since several CN1 meetings ago, exchange of LS between SA5 and CN1 regarding this topic was communicated. However, discussion was left out SA2 decision and there was no clear decision done yet between CN1 and SA5. According to LS there is requirement that Sh interface is used for charging purposes. During the Rel 6 discussion in SA2, there was apparent requirement for 3GPP AAA server, 3GPP Proxy or Presence server need to retrieve the CCF/ECF addresses from HSS to access to CCF/ECF for offline/online charging purposes. For the forward compatibility, it is better to fulfil this requirement for Rel 5.
Summary of change: ⌘	In 4.5.5, 5.7.3 and 5.7.5.2.1, it is added that Sh interface is used for retrieving charging addresses.
Consequences if not approved: ⌘	For IMS charging mechanism it may cause backward compatibility problem in Rel 6

Clauses affected: ⌘	4.5.5, 5.7.3, 5.7.5

Other specs affected: ⌘	Y	N		⌘	
	X		Other core specifications	⌘	23.218,•24.229
		X	Test specifications		
		X	O&M Specifications		

Other comments: ⌘	

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Start of first change

4.5.5 Charging function addresses

Charging function addresses are distributed to each of the IMS network entities in the home network for one side of the session (either the calling or called side) and are to provide a common location for each entity to send charging information. Charging Collection Function (CCF) addresses are used for offline billing. Event Charging Function (ECF) addresses are used for online billing.

There may be two separate addresses for CCF and ECF addresses populated into the P-Charging-Function-Addresses header of the SIP request or response. The parameters are ccf1, ccf2, ecf1 and ecf2. Only ccf1 is required. The other parameters are optional. The secondary addresses may be included by each IMS network for redundancy purposes.

The CCF addresses and ECF addresses are retrieved from HSS via Cx interface and passed by the S-CSCF to subsequent entities. The charging function addresses are passed from the S-CSCF to IM CN subsystem entities in its home network, but are not passed to the visited network or the UE. When the P-CSCF is allocated in the visited network, then the charging function addresses are obtained by means outside the scope of this document. The AS receives the charging function addresses from the S-CSCF via the ISC interface. The AS may also retrieve the charging function address from the HSS via Sh interface.

End of first change

Start of second change

5.7.3 Application Server (AS) acting as originating UA

When acting as an originating UA the AS shall behave as defined for a UE in subclause 5.1.3, with the exceptions noted in this subclause.

The AS, 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.

When an AS acting as an originating UA generates an initial request for a dialog or a request for a standalone transaction, the AS shall create a new, globally unique value for the icid parameter and insert it into the P-Charging-Vector header. The AS may retrieve CCF and/or ECF adresses (see subclause 7.2.5) from HSS on Sh interface.

Furthermore the AS shall insert a Route header pointing to the S-CSCF.

5.7.4 Application Server (AS) acting as a SIP proxy

The S-CSCF may forward received initial requests to the application server based on initial filter criteria being met. If the S-CSCF includes P-Original-Dialog-ID header in these requests, the AS shall include the same P-Original-Dialog-ID header in any responses and/or subsequent requests sent on this dialog.

When the AS acting as a SIP proxy receives a request from the S-CSCF, prior to forwarding the request it shall:

- remove its own URL from the topmost Route header; and

- after executing the required services, route the request based on the topmost Route header.

The AS may modify the SIP requests based on service logic, prior to forwarding the request back to the S-CSCF.

An Application Server acting as a SIP proxy shall propagate any received 3GPP message body in the forwarded message.

5.7.5 Application Server (AS) performing 3rd party call control

5.7.5.1 General

The AS performing 3rd party call control acts as a B2BUA. There are two kinds of 3rd party call control:

- Routeing B2BUA: an AS receives a request from S-CSCF, terminates it and generates a new request, which is based on the received request.

- Initiating B2BUA: an AS initiates two requests, which are logically connected together at the AS.

The B2BUA AS will internally map the message headers between the two dialogs that it manages. It is responsible for correlating the dialog identifiers and will decide when to simply translate a message from one dialog to the other, or when to perform other functions. These decisions are specific to each AS and are outside the scope of the present document.

The AS, 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.

5.7.5.2 Call initiation

5.7.5.2.1 Initial INVITE

When the AS acting as a Routeing B2BUA receives an initial INVITE request from the S-CSCF, the AS shall:

- remove its own SIP URL from the topmost Route header of the received INVITE request;

- perform the Application Server specific functions. See 3GPP TS 23.218 [5];

- if successful, generate and send a new INVITE request to the S-CSCF to establish a new dialog. The AS shall look for the presence of the P-Original-Dialog-ID header in the initial INVITE request and populate the same P-Original-Dialog-ID header in the new INVITE request;

- copy the remaining Route header(s) unchanged from the received INVITE request to the new INVITE request;

- route the new INVITE request based on the topmost Route header.

    NOTE: The topmost Route header of the received INVITE request will contain the AS's SIP URI. The following Route header will contain the SIP URI of the S-CSCF.

When the AS acting as an Initiating B2BUA the AS shall apply the procedures described in subclause 5.7.3 for both requests. The AS shall either set the <icid> XML element to be the same as received or different. The AS may retrieve CCF and/or ECF adresses (see subclause 7.2.5) from HSS on Sh interface.

5.7.5.2.2 Subsequent requests

Void.

5.7.5.3 Call release

5.7.5.4 Call-related requests

An Application Server may initiate a call release. See 3GPP TS 23.218 [5] for possible reasons. The BYE request shall be sent simultaneously for both dialogs managed by the B2BUA.

5.7.5.5   Further initial requests

void

<u>End of second change</u>

CHANGE REQUEST

| ⌘ | **24.229** CR **270** | ⌘**rev** | **2** | ⌘ | Current version: | **5.2.0** | ⌘ |

*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 **X**

Title: ⌘	Clarifications on the scope	
Source: ⌘	NEC Corporation	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 05/11/2002
Category: ⌘ **F**		***Release:*** ⌘ Rel-5

Use <u>one</u> of the following categories:
F (correction)
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B (addition of feature),
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Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.

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: ⌘	CN1 and CN3 are now cooperatively developing and reviewing the Signalling Interworking between the 3GPP Profile of SIP and non-3GPP SIP Usage. However, the current scope in 24.229 does not take into account the latest status on the situation:
Summary of change: ⌘	It is proposed that scope should be taken into account the latest status of the procedure and it clarifies to leave out the item to Rel 6.
Consequences if not approved: ⌘	24.229 remains misaligned with the current work on the signalling interworking TR .

Clauses affected: ⌘	1

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

Other comments: ⌘	

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<u>Start of Change</u>

1   Scope

The present document defines a call control protocol for use in the IP Multimedia (IM) Core Network (CN) subsystem based on the Session Initiation Protocol (SIP), and the associated Session Description Protocol (SDP).

The present document is applicable to:

- the interface between the User Equipment (UE) and the Call Session Control Function (CSCF);

- the interface between the CSCF and any other CSCF;

- the interface between the CSCF and an Application Server (AS);

- the interface between the CSCF and the Media Gateway Control Function (MGCF);

- the interface between the S-CSCF and the Media Resource Function Controller (MRFC)

- the interface between the CSCF and the Breakout Gateway Control Function (BGCF);

- the interface between the BGCF and the MGCF;

- the interface between the BGCF and any other BGCF; and

- the interface between the CSCF and an external Multimedia IP network.

Where possible the present document specifies the requirements for this protocol by reference to specifications produced by the IETF within the scope of SIP and SDP. Where this is not possible, extensions to SIP and SDP are defined within the present document. The document has therefore been structured in order to allow both forms of specification.

NOTE: The present document covers only the usage of SIP and SDP to communicate with the enitities of the IM CN subsystem. It is ~~perfectly~~ possible, and not precluded, to use the capabilities of GPRS to allow a terminal containing a SIP UA to communicate with SIP servers <u>or SIP UAs</u> outside the IM CN subsystem, and therefore utilise the services provided by those SIP servers. ~~Such usage~~<u>The usage of SIP and SDP for communicating with SIP servers or SIP UAs outside the IM CN subsystem</u> is outside the scope of the present document.

End of Change

Start of first changes

5.1.1.6 Mobile-initiated deregistration

The UE can deregister a previously registered public user identity at any time.

On sending a REGISTER request, the UE shall populate the header fields as follows:

a) the user ID field of the authentication protocol, carried in the Authorization header, shall contain the private user identity. This shall be extracted from the USIM;

b) the From header shall contain the public user identity to be deregistered;

c) the To header shall contain the public user identity to be deregistered;

d) the Expires header, or the expires parameter of the Contact header, shall contain a value of zero, appropriate to the deregistration requirements of the user.

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).

The request shall be sent integrity protected.

On receiving the 200 (OK) response to the REGISTER request, the UE shall remove all registration details relating to this public user identity.

If all public user identities are deregistered and the security association is removed, then the UE shall consider subscription to the reg event package cancelled (i.e. as if the UE had sent a SUBSCRIBE request with an Expires header containing a value of zero).

5.1.1.7 Network-initiated deregistration

Upon receipt of a NOTIFY request on the dialog which was generated during subscription to the reg event package as described in subclause 5.1.2.1, which contains the state parameter set to "terminated" and the event parameter "rejected", i.e. deregistered, for one or more public user identities that were previously stored as registered, the UE shall remove all registration details relating to these public user identities.

If all public user identities are deregistered and the security association is removed, then the UE shall consider subscription to the reg event package cancelled (i.e. as if the UE had sent a SUBSCRIBE request with an Expires header containing a value of zero).

End of first changes

Start of second changes

5.2.5 Deregistration

5.2.5.1 User-initiated deregistration

When the P-CSCF receives a 200 (OK) response to a REGISTER request (sent according to subclause 5.2.2), it shall check the value of the Expires header field and/or expires parameter in the Contact header field. When the value of the Expires header field or expires parameter equals zero, then the P-CSCF shall:

1) remove the public user identity found in the To header field, and all the associated public user identities, from the registered public user identities list and all related stored information; and

2) check if the user has left any other registered public user identity. When all of the public user identities of a user are deregistered, the P-CSCF shall remove the SAs towards that user and cancel the subscription to the reg event package for that user.

NOTE: There is no requirement to distinguish a REGISTER request relating to a registration from that relating to a deregistration. For administration reasons the P-CSCF may distinguish such requests, however this has no impact on the SIP procedures.

5.2.5.2 Network-initiated deregistration

If the P-CSCF:

- has subscribed for the reg event package providing registration state information of a certain public identity and public user identities implicitly registered with it; and,

- an incoming NOTIFY request arrives on the dialog which was generated during subscription (as described in subclause 5.2.3) with the state parameter set to "terminated" and the event parameter set to "rejected", i.e. deregistered, for one or more public user identities;

the P-CSCF shall release all stored information for these public user identities which are indicated with state parameter set to "terminated".

The P-CSCF shall check if the user has left any other registered public user identity. When all of the public user identities of a user are deregistered, the P-CSCF shall remove the SAs towards that user and cancel the subscription to the reg event package for that user.

End of second changes

Start of third changes

5.4.1.4 User-initiated deregistration

When S-CSCF receives a REGISTER request with the Expires header field containing the value zero, the S-CSCF shall:

- check whether the P-CSCF included the Integrity-protection parameter into the Authorization header field set to yes, indicating that the REGISTER request was received integrity protected. The S-CSCF shall only proceed with the following steps if the integrity protection parameter is set to yes;

- deregister the public user identity found in the To header field together with the implicitly registered public user identities; and

- send a third-party REGISTER request, as described in subclause 5.4.1.7, to each Application Server that matches the Filter Criteria from the HSS for the REGISTER event.

Based on operators' policy the S-CSCF can request from HSS to either be kept or cleared as the S-CSCF allocated to this subscriber. In both cases the state of the subscriber identity is stored as unregistered in the HSS and the S-CSCF. Based on HSS decision, the S-CSCF may either keep all or only a part of the user profile or removes it. If all public user identities of the UE are deregistered, then the S-CSCF may consider the UE and P-CSCF subscriptions to the reg event package cancelled (i.e. as if the UE had sent a SUBSCRIBE request with an Expires header containing a value of zero).

If the Authorization header of the REGISTER request did not contain an Integrity-protection parameter, or the parameter was set to the value 'no', the S-CSCF shall respond to the request with a 403 (Forbidden) response. The response may contain a Warning header with the reason of rejecting the request.

5.4.1.5 Network-initiated deregistration

When a network-initiated deregistration event occurs for a public user identity, and the UE has subscribed for the registration events, the S-CSCF shall generate a NOTIFY request in order to inform the UE of the network-initiated deregistration event for that public user identity. The S-CSCF shall set the event header to the name of the event package, which provides information about the registration state of the UE. If all public user identities of the UE are

deregistered, then the S-CSCF may consider the UE subscription to the reg event package cancelled (i.e. as if the UE had sent a SUBSCRIBE request with an Expires header containing a value of zero).

When a network-initiated deregistration event occurs for a public user identity, and the P-CSCF has subscribed for registration events for that public user identity, the S-CSCF shall generate a NOTIFY request in order to inform the P-CSCF of the network initiated deregistration event for that public user identity. The S-CSCF shall set the event header to the name of the event package, which provides information about the registration state of the UE. If all public user identities of the UE are deregistered, then the S-CSCF may consider the P-CSCF subscription to the reg event package cancelled (i.e. as if the P-CSCF had sent a SUBSCRIBE request with an Expires header containing a value of zero).

If the network-initiated deregistration is for a set of public user identities associated with the subscriber, the NOTIFY shall send the registration state of all public user identities of the subscriber.

Also, the S-CSCF shall send a third-party REGISTER request, as described in subclause 5.4.1.7, to each Application Server that matches the Filter Criteria from the HSS for the REGISTER event.

The S-CSCF shall then deregister the public user identity together with the implicitly registered public user identities.

End of third changes

CR-Form-v7

CHANGE REQUEST

| | ⌘ | **24.229** CR **274** | ⌘**rev** | **1** | ⌘ | Current version: | **5.2.0** | ⌘ |

*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 **X** Radio Access Network ☐   Core Network **X**

Title: ⌘	Profile revisions for RFC 3261 headers	
Source: ⌘	Lucent Technologies	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 02/11/02
Category: ⌘ **F**		***Release:*** ⌘ Rel-5

Use one 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 one 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: ⌘	A number of headers in the SIP profile do not yet have their values fully defined. This CR completes those tables for headers defined in RFC 3261 by completing the contents of the following headers: Accept; Accept-Encoding; Accept-Language; Allow; Authentication-Info; Call-Info; Contact; Content-Disposition; Content-Encoding; Content-Language; Expires; MIME-Version; Organization; Proxy-Authenticate; Proxy-Authorization; Subject; User-Agent; Warning; WWW-Authenticate. Detailed analysis of the requirements for these headers contained in the various SIP RFCs and internet-drafts is contained in Discussion documents N1-022325 - N1-022343. The summary of those documents is given in the summary of change below. In addition some other minor changes have been proposed as given in the summary of change below.

Summary of change: ⌘	The summary of the change for the individual headers is as follows:
	
	 Accept;
	    Summary of IETF requirements
	
	    The header may appear in requests as follows: BYE, INFO, INVITE, NOTIFY, PRACK, REFER, REGISTER, SUBSCRIBE, UPDATE. It is optional for the UA to insert it in such requests. It would appear to mandatory to be able to receive the header in such requests. It does not appear in ACK, CANCEL, MESSAGE or PUBLISH requests. It would appear to mandatory to be able to receive the header in such requests.
	
	    The header may optionally appear in 2xx responses to INVITE, REGISTER and

UPDATE requests.

Support of the header is mandatory in OPTIONS requests and 2xx responses.

At least one of the Accept, Accept-Encoding, or Accept-Language headers must appear in a 415 response to any method except OPTIONS, ACK and CANCEL, and all headers must be understood on receipt in this response.

Note that the usage in responses to INFO requests is not defined, but would be assumed from the behaviour to all other methods.

The header must appear in a 415 response to an OPTIONS request.

Proxies pass the header on transparently.

<u>Summary of 3GPP usage</u>

24.228 shows its use in SUBSCRIBE requests from UE to S-CSCF (registrar) and in SUBSCRIBE requests from P-CSCF to S-CSCF (registrar). This is optional behaviour for the SUBSCRIBE itself, but further constraints are allowed to be defined by the event package.

There are therefore no additional 3GPP requirements.

Proxies pass the header on transparently. As these headers do not relate to the description of a message body containing a session description, there is no special 3GPP usage in this respect.

<u>Accept-Encoding;</u>
<u>Summary of IETF requirements</u>

The header may appear in requests as follows: BYE, INFO, INVITE, NOTIFY, PRACK, REFER, REGISTER, SUBSCRIBE, UPDATE. It is optional for the UA to insert it in such requests. It would appear to mandatory to be able to receive the header in such requests. It does not appear in ACK, CANCEL, MESSAGE or PUBLISH requests. It would appear to mandatory to be able to receive the header in such requests.

The header may optionally appear in 2xx responses to INVITE, REGISTER and UPDATE requests.

Support of the header is mandatory in OPTIONS requests and 2xx responses.

At least one of the Accept, Accept-Encoding, or Accept-Language headers must appear in a 415 response to any method except OPTIONS, ACK and CANCEL, and all headers must be understood on receipt in this response.

Note that the usage in responses to INFO requests is not defined, but would be assumed from the behaviour to all other methods.

The header must appear in a 415 response to an OPTIONS request.

Proxies pass the header on transparently.

<u>Summary of 3GPP usage</u>

There are therefore no additional 3GPP requirements.

Proxies pass the header on transparently. As these headers do not relate to the description of a message body containing a session description, there is no special 3GPP usage in this respect.

<u>Accept-Language;</u>
<u>Summary of IETF requirements</u>

The header may appear in requests as follows: BYE, INFO, INVITE, NOTIFY,

PRACK, REFER, REGISTER, SUBSCRIBE, UPDATE. It is optional for the UA to insert it in such requests. It would appear to mandatory to be able to receive the header in such requests. It does not appear in ACK, CANCEL, MESSAGE or PUBLISH requests. It would appear to mandatory to be able to receive the header in such requests.

The header may optionally appear in 2xx responses to INVITE, REGISTER and UPDATE requests.

Support of the header is mandatory in OPTIONS requests and 2xx responses.

At least one of the Accept, Accept-Encoding, or Accept-Language headers must appear in a 415 response to any method except OPTIONS, ACK and CANCEL, and all headers must be understood on receipt in this response.

Note that the usage in responses to INFO requests is not defined, but would be assumed from the behaviour to all other methods.

The header must appear in a 415 response to an OPTIONS request.

Proxies pass the header on transparently.

<u>Summary of 3GPP usage</u>

There are therefore no additional 3GPP requirements.

Proxies pass the header on transparently. As these headers do not relate to the description of a message body containing a session description, there is no special 3GPP usage in this respect.

<u>Allow;</u>
 <u>Summary of IETF requirements</u>

The header is not used in ACK or CANCEL methods.

It is mandatory for a UA to send the header in a 405 response to all remaining methods, and mandatory for a UA to receive the header in such responses.

A UA should send the header in an INVITE request. A UA may send the header in all remaining method requests. It is considered mandatory for the UA to receive the header in usch usage. Note that the usage with INFO is not fully documented, but will be inferred from the other methods.

A UA should send the header in 2xx responses to INVITE and OPTIONS requests. A UA may send the header in all remaining method 2xx responses. It is considered mandatory for the UA to receive the header in usch usage. Note that the usage with INFO is not fully documented, but will be inferred from the other methods.

Proxies pass the header on transparently.

<u>Summary of 3GPP usage</u>

No additional 3GPP requirements.

Note that as 24.228 does not show any usage of the Allow header, it can be inferred that 3GPP implementations will treat usage of the SHOULD strength in INVITE requests and 2xx responses as merely optional, and that is what is proposed to be documented in the profile.

<u>Authentication-Info;</u>
 <u>Summary of IETF requirements</u>

The header is defined as optional for a UA to send for all 2xx responses to methods other than ACK and CANCEL. It is mandatory for the UA to receive the header for these responses. The usage of the header for both send and receive is dependent on the UA to UA authentication major capability. For REGISTER this is the UA to registrar

authentication major capability.

Note that the usage for the INFO method is inferred from the general usage with other methods.

Proxies pass the header on transparently.

<u>Summary of 3GPP usage</u>

No additional 3GPP requirements.

<u>Call-Info;</u>
<u>Summary of IETF requirements</u>

The header is defined as optional for a UA to send for requests and responses of INVITE, MESSAGE, OPTIONS, PUBLISH, REGISTER, and UPDATE.

The header can be ignored by a receiving UA, and therefore is optional to receive for requests and responses of INVITE, MESSAGE, OPTIONS, PUBLISH, REGISTER, and UPDATE.

As the header applies to all responses, it is appropriate to move the header from the individual response header tables to that of the generic response header table.

A proxy can add or concatenate the header field if not present; a proxy must be able to read the header field, and thus this header field cannot be encrypted. This therefore needs a new major capabilities to be defined for the proxy treatment of this header. If this major capability does not apply, then the header will be passed on transparently. The new major capabilities are as follows:

- reading the contents of the Call-Info header before proxying the request or response?

- adding or concatenating the Call-Info header before proxying the request or response?

<u>Summary of 3GPP usage</u>

No additional 3GPP requirements.

<u>Contact;</u>
<u>Summary of IETF requirements</u>

The handling of this header is individual to each specific method.

- ACK: optional to send in request.

- BYE: optional to send in 3xx and 485 responses, otherwise not used.

- CANCEL: the header is not used in this method at all.

- INFO: optional to send in requests, the header is not included in responses.

- INVITE: mandatory to send in request, mandatory to send in 2xx response, optional to send in other responses.

- MESSAGE: not included in requests or 2xx responses, optional to send in 3xx and 485 responses.

- PRACK: not included in requests or 2xx responses, optional to send in 3xx and 485 responses.

- PUBLISH: not included in requests or 2xx responses, optional to send in 3xx and 485 responses.

- REFER: mandatory to send in request, mandatory to send in 2xx response, optional

to send in other responses.

- REGISTER: optional to send in request and responses.

- SUBSCRIBE: mandatory to send in requests, mandatory to send in 2xx response, mandatory to send in 3xx responses

- UPDATE: mandatory to send in request, mandatory to send in 2xx response, optional to send in other responses.

For 485 responses, the send strength is SHOULD. The receive capability has therefore been taken as mandatory. Otherwise, for those cases where it is optional to send, it has been taken as optional to receive; for those cases where it is mandatory to send, it has been taken as mandatory to receive

Proxies may read and may delete 3xx responses. Otherwise the header is passed on transparently. A major capability will need to be defined to reflect this.

Summary of 3GPP usage

No additional 3GPP requirements.

Content-Disposition;
Summary of IETF requirements

The header is defined as optional for a UA to send for all requests and all responses where bodies are allowed, i.e. all except except CANCEL and for all status-codes. Optionality in the specifications is because there is a default value associated with particular Content-Types. For application/sdp this is "session". For other Content=Types it is "render".

It is believed it is therefore mandatory to be able to receive this header at a UA for all requests and responses.

Proxies do not read the header, and merely pass it on.

Summary of 3GPP usage

In 24.228, there is no appearance of the Content-Disposition header, as defaults are assumed throughout.

As the message body is processed by various 3GPP entities, then those entities should verify the headers associated with that message body. Therefore the P-CSCF and S-CSCF both look at SDP message bodies, and therefore the Content-Disposition header, if present should be verified. These entities are therefore mandatory to send and receive, for messages involved in a dialog establishing a session. It is assumed that IETF handling can apply for methods not involved in creating a session (i.e. transparently pass on).

Note that this philosophy has also resulted in changes to the entries for the Content-Type header.

It would be possible to indicate that 3GPP registrars do not include message bodies, nor any of the headers associated with describing such bodies. There is however no preclusion of this in the main specification, and therefore it is assumed that it is entirely legitimate to send a message body in a REGISTER response if the 3GPP implementor so wishes.

Content-Encoding;
Summary of IETF requirements

The header is defined as optional for a UA to send for all requests and all responses where bodies are allowed, i.e. all except except CANCEL and for all status-codes.

It is believed it is therefore mandatory to be able to receive this header at a UA for all

requests and responses.

Proxies do not read the header, and merely pass it on.

<u>Summary of 3GPP usage</u>

In 24.228, there is no appearance of the Content-Encoding header.

As the message body is processed by various 3GPP entities, then those entities should verify the headers associated with that message body. Therefore the P-CSCF and S-CSCF both look at SDP message bodies, and therefore the Content-Encoding header, if present should be verified. These entities are therefore mandatory to send and receive, for messages involved in a dialog establishing a session. It is assumed that IETF handling can apply for methods not involved in creating a session (i.e. transparently pass on).

Note that this philosophy has also resulted in changes to the entries for the Content-Type header.

It would be possible to indicate that 3GPP registrars do not include message bodies, nor any of the headers associated with describing such bodies. There is however no preclusion of this in the main specification, and therefore it is assumed that it is entirely legitimate to send a message body in a REGISTER response if the 3GPP implementor so wishes.

<u>Content-Language;</u>
<u>Summary of IETF requirements</u>

The header is defined as optional for a UA to send for all requests and all responses where bodies are allowed, i.e. all except except CANCEL and for all status-codes.

It is believed it is therefore mandatory to be able to receive this header at a UA for all requests and responses.

Proxies do not read the header, and merely pass it on.

<u>Summary of 3GPP usage</u>

In 24.228, there is no appearance of the Content-Language header.

As the message body is processed by various 3GPP entities, then those entities should verify the headers associated with that message body. Therefore the P-CSCF and S-CSCF both look at SDP message bodies, and therefore the Content-Language header, if present should be verified. These entities are therefore mandatory to send and receive, for messages involved in a dialog establishing a session. It is assumed that IETF handling can apply for methods not involved in creating a session (i.e. transparently pass on).

Note that this philosophy has also resulted in changes to the entries for the Content-Type header.

It would be possible to indicate that 3GPP registrars do not include message bodies, nor any of the headers associated with describing such bodies. There is however no preclusion of this in the main specification, and therefore it is assumed that it is entirely legitimate to send a message body in a REGISTER response if the 3GPP implementor so wishes.

<u>Expires;</u>
<u>Summary of IETF requirements</u>

The usage of the Expires header is specific to each individual method.

- REGISTER method: Optional for a UA to be able to send the header in a request (the Contact header provides an alternative). Mandatory to be able to receive the header in a request. It is not used in REGISTER responses as the Contact header

carries that function. Proxies pass the header on transparently.

- SUBSCRIBE method: Optional (Recommended) for a UA to be able to send the header in a request. Mandatory to be able to receive the header in a request. Mandatory to be able to send and receive the header in a 2xx response. Proxies pass the header on transparently.

- INVITE method: Optional for a UA to be able to send the header in a request. Optional to be able to receive the header in a request. Proxies pass the header on transparently.

- REFER method: Optional for a UA to be able to send the header in a request. Optional to be able to receive the header in a request. Proxies pass the header on transparently.

- MESSAGE method: Optional for a UA to be able to send the header in a request. Optional to be able to receive the header in a request. Proxies pass the header on transparently.

- PUBLISH method: Optional (Recommended) for a UA to be able to send the header in a request. Mandatory to be able to receive the header in a request. Mandatory to be able to send and receive the header in a 2xx response. Proxies pass the header on transparently.

- INFO defines the header. The nature of the header usage has changed since the publication of that specification, therefore it is assumed that this header is no longer valid for that method.

For all other methods the header is not used.

Summary of 3GPP usage

No additional 3GPP requirements.

MIME-Version;
Summary of IETF requirements

The header is defined as optional for a UA to send for all requests and responses, except CANCEL. It is assumed that the absence from the message and publish drafts is an error, and that it does apply for the MESSAGE and PUBLISH methods.

The header is associated with the interpretation of the received message body, and therefore it is assumed for the receiving UA, to be mandatory to receive (for all methods except CANCEL).

Proxies do not read the header, and merely pass it on.

Summary of 3GPP usage

No additional 3GPP requirements.

As the message body is processed by various 3GPP entities, then those entities should verify the headers associated with that message body. Therefore the P-CSCF and S-CSCF both look at SDP message bodies, and therefore the Content-MIME-Version header, if present should be verified. These entities are therefore mandatory to send and receive, for messages involved in a dialog establishing a session. It is assumed that IETF handling can apply for methods not involved in creating a session (i.e. transparently pass on).

It would be possible to indicate that 3GPP registrars do not include message bodies, nor any of the headers associated with describing such bodies. There is however no preclusion of this in the main specification, and therefore it is assumed that it is entirely legitimate to send a message body in a REGISTER response if the 3GPP implementor so wishes.

Organization;
Summary of IETF requirements

The header is defined as optional for a UA to send for INVITE, MESSAGE, OPTIONS, PUBLISH, REFER, REGISTER, SUBSCRIBE, UPDATE requests and all responses.

The header can be ignored by a receiving UA, and therefore is optional to receive.

A proxy can add or concatenate the header field if not present; a proxy must be able to read the header field, and thus this header field cannot be encrypted. This therefore needs a new major capabilities to be defined for the proxy treatment of this header. If this major capability does not apply, then the header will be passed on transparently. The new major capabilities are as follows:

- reading the contents of the Organization header before proxying the request or response?

- adding or concatenating the Organization header before proxying the request or response?

Note that while the ar tag has not been placed against the proxy usage of SUBSCRIBE and NOTIFY, it is assumed that in these cases it is also possible.

Note that for the UPDATE method, entries of this header for individual status codes have been moved to the generic response table, and for some other methods, duplicate entries to those in the generic response table have been deleted.

Summary of 3GPP usage

No additional 3GPP requirements - see IETF requirements.

Proxy-Authenticate;
Summary of IETF requirements

The usage of this header is for http digest authentication. As this is an optional capability, it requires a major capability for it in the UE. This already exists and is A.5/7 for methods other than REGISTER and A.5/8 for the REGISTER method.

The header is only applicable to 401 and 407 responses. Although the 407 response is not listed for INFO, SUBSCRIBE and NOTIFY, it is assumed to be valid for those methods as well. Note that this requires the addition of tables for 407 responses in the cases of INFO.

It is not valid for ACK and CANCEL methods. Note that although the table in RFC 3261 lists it as valid for CANCEL, this is not possible as there cannot be a subsequent authentication. A fault report has been identified on the sip list.

It is mandatory for proxies to understand this header for the 401 and 407 responses in the relevant methods (so that they can meet the aggregation requirements).

Summary of 3GPP usage

No additional 3GPP requirements.

Proxy-Authorization;
Summary of IETF requirements

The header may appear in all requests except CANCEL. A UA will insert the header if involved in UA to proxy authentication. Therefore a major capability needs to be defined for the UA role for authentication between UA and proxy.

It is not applicable for UAs to receive this header.

Proxies also need a similar major capability to be defined. Proxies implementing this major capability must read the header and delete their entry, i.e. mandatory to receive

and send. Proxies not implementing this major capability pass the header on transparently.

Summary of 3GPP usage

No additional 3GPP requirements.

It is assumed that 3GPP UAs can use this capability with a non-3GPP proxy.

3GPP proxies do not implement this major capability.

Subject;
Summary of IETF requirements

The header is defined as optional for a UA to send for INFO, INVITE, MESSAGE, PUBLISH, REFER requests.

It is not defined for responses.

The header can be ignored by a receiving UA, and therefore is optional to receive.

Proxies do not read the header, and merely pass it on.

Summary of 3GPP usage

No additional 3GPP requirements.

User-Agent;
Summary of IETF requirements

The header is defined as optional for a UA to send for all requests and responses.

The header can be ignored by a receiving UA, and therefore is optional to receive.

Proxies do not read the header, and merely pass it on.

As the header applies to all responses, it is appropriate to move the header from the individual response header tables to that of the generic response header table.

Summary of 3GPP usage

No additional 3GPP requirements.

Warning;
Summary of IETF requirements

It is optional for the UA to be able to send the header in any response. A 488 response increases this optionality to SHOULD. As no requirements are defined for interpretation of this header, the receive capability is assumed to be optional.

Proxies pass the header on transparently.

As the header applies to all responses, it is appropriate to move the header from the individual response header tables to that of the generic response header table.

Summary of 3GPP usage

No additional 3GPP requirements.

24.228 shows examples of the use of the header in a 403 response to a REGISTER request. 24.229 specifies the optional usage with a 403 response to a REGISTER request.

WWW-Authenticate;
Summary of IETF requirements

The header is only applicable to 401 and 407 responses. It is mandatory to send and

		receive for a 401 response and optional to send and receive for a 407 response. The header is not applicable to the ACK and CANCEL methods. <u>Summary of 3GPP usage</u> 3GPP uses this header in a 401 response to a REGISTER to challenge the user. It is mandatory to send and receive in this usage. <u>Other changes</u> In addition, the Server header has been moved from the individual response header tables to that of the generic response header table.
Consequences if not approved:	⌘	Incomplete specification.

Clauses affected:	⌘	A.2

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

Other comments:	⌘	Note that the contents of this CR assume that the proxy role applies to a CSCF entities. Any change in that decision will require modification to this CR.

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.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 session requests?	[26] subclause 13.2	m	o
4	server behaviour for session 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
18	SIP extensions for caller identity and privacy?	[34]	o	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	Path Extension Header for Establishing Service Route with SIP REGISTER	[35]	o	c6
25	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	m
c1:	IF A.4/3 OR A.4/4 THEN m ELSE o.			
c2:	IF A.4/20 THEN o.1 ELSE n/a.			
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.			
c6:	IF (A.150/3 AND A.150/4) THEN m ELSE n/a. - - S-CSCF acting as registrar.			
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.						
c2:	IF A.4/13 THEN m ELSE n/a.						
c3:	IF A.4/23 THEN m ELSE n/a.						
c4:	IF A.4/22 THEN m ELSE n/a.						
c5:	IF A.4/14 THEN m ELSE n/a - - reliability of provisional responses.						
c6:	IF A.4/17 THEN m ELSE n/a - - the SIP update method.						
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 (Registration 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 Leg/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 Cancelled)	[26] 21.4.25			[26] 21.4.25		
38	488 (Not Acceptable Here)	[26] 21.4.26			[26] 21.4.26		
39	489 (Bad Events)	[28] 8.3.2	c3	c3	[28] 8.3.2	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		
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 (SIP Version not	[26] 21.5.6			[26] 21.5.6		

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
	supported)						
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.						
c2:	IF A.5/9 THEN o ELSE n/a.						
c3:	IF A.4/20 THEN m ELSE n/a.						
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
~~1~~	~~Allow~~	~~[26] 20.5~~	~~o~~		~~[26] 20.5~~	~~o~~	
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~~	~~o~~		~~[26] 20.10~~	~~o~~	
6	Content-Disposition	[26] 20.11	o	o	[26] 20.11	~~o~~m	m
7	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
8	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~m	m
16	Proxy-Authorization	[26] 20.28	~~o~~c5	c5	[26] 20.28	~~o~~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	o	o
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN o ELSE n/a.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						

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	om	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	om	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	om	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	om	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	om	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	om	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	om	m
17	Proxy-Authorization	[26] 20.28	oc5	c5	[26] 20.28	on/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.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						

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	~~o~~m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	~~o~~c1	c1	[26] 20.6	~~o~~c2	c2
2	Require	[26] 20.32	m	m	[26] 20.32	m	m
3	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
6	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/3 – BYE response

Prerequisite: A.6/13 – 401

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	oc1	c1	[26] 20.27	oc1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
8	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	om	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
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

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
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

Prerequisite A.5/3 – BYE response

Prerequisite: A.6/19 – 407

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	~~o~~c1	c1	[26] 20.27	~~o~~c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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
0A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
1	Accept	[26] 20.1	o.1	o.1	[26] 20.1	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	~~o~~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
6	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
9	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/3 – BYE response

Prerequisite: A.6/27 – 420

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/3 – BYE response

Prerequisite: A.6/34 – 484

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Accept-Encoding	[26] 20.2	o		[26] 20.2	o	
3	Accept-Language	[26] 20.3	o		[26] 20.3	o	
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-Language	[26] 20.13	o		[26] 20.13	o	
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
13	MIME-Version	[26] 20.24	o		[26] 20.24	o	
14	Proxy-Authorization	[26] 20.28	o		[26] 20.28	o	
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	o	[26] 20.41	o	o
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN o ELSE n/a.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
c8:	IF A.4/6 THEN o ELSE n/a.						

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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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

Table A.26: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/5 – CANCEL response

Prerequisite: A.6/13 – 401

Table A.27: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
8	WWW-Authenticate	[26] 20.44	o		[26] 20.44	o	

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
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/5 – CANCEL response

Prerequisite: A.6/27 – 420

Table A.29: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/5 – CANCEL response

Prerequisite: A.6/34 – 484

Table A.30: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~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	~~o~~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
~~13~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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	~~o~~c5	c5	[26] 20.28	~~o~~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] 2~~0~~4.3~~6~~8	o	o	[26] 2~~0~~4.3~~6~~8	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.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						

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
2A	Content-Disposition	[26] 20.11	o	o	[26] 20.11	m	m
2	Content-Encoding	[26] 20.12	o	0o	[26] 20.12	o~~m~~	m
2B	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	o	o
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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	~~m~~o	o	[26] 20.5	m	m
1A	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/7 – INFO response

Prerequisite: A.6/14 – 401

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	Expires	[26] 20.19	o		[26] 20.19	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
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
8	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	om	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
2	Expires	[26] 20.19	o		[26] 20.19	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	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	

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
3	Expires	[26] 20.19	o		[26] 20.19	o	
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	

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 @@@ combine

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/7 – INFO response

Prerequisite: A.6/27 – 420

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/7 - - INFO response

Prerequisite: A.6/34 - - 484

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/7 – INFO response

Prerequisite: A.6/35 - - 485 "Ambiguous" @@@ combine

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~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	~~o~~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	~~o~~m	m
13	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
14	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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] 24.21	o	o	[26] 24.21	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	~~o~~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	~~o~~c6	c6	[26] 20.28	~~o~~n/a	n/a
28	Proxy-Require	[26] 20.29, [34] 4	c5	c5	[26] 20.29, [34] 4	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~~4~~.36~~8~~	o	o	[26] 20~~4~~.36~~8~~	o	o
35	Supported	[26] 20.37	c9	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.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
c5:	IF A.4/18 THEN m ELSE o -- (note).						
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 -- 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.						
c11:	IF A.4/19 THEN m ELSE n/a.						
c12:	IF A.3/1 THEN m ELSE n/a.						
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, [30] 8.3	o	o	[26] 20.11, [30] 8.3	~~o~~m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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		[26] 20.43	o	
c1:	IF A.4/11 THEN o ELSE n/a.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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
~~1~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Contact	[26] 20.10	o	o	[26] 20.10	~~o/m~~m	m
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~10~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
11	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~12~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~13~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.4/14 THEN o ELSE n/a - - reliability of provisional responses.						
c3:	IF A.4/14 THEN m ELSE n/a - - reliability of provisional responses.						
c11:	IF A.4/19 THEN m ELSE n/a.						
c12:	IF A.3/1 THEN m ELSE n/a.						

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	~~o~~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	~~o~~m	m
3	Anonymity	[34] 5.2	o		[34] 5.2		
4	Authentication-Info	[26] 20.6	~~o~~c1	c1	[26] 20.6	~~o~~c2	c2
~~5~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
6	Contact	[26] 20.10	m	m	[26] 20.10	m	m
~~7~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~12~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
13	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~14~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~15~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						
c12:	IF A.3/1 THEN m ELSE n/a.						
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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Contact	[26] 20.10	o (note)	o	[26] 20.10	~~o/m~~m	m
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~6~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~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
~~9~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/9 – INVITE response

Prerequisite: A.6/14 – 401

Table A.53: 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~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
6	Proxy-Authenticate	[26] 20.27	c3~~o~~	c3	[26] 20.27	~~o~~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
~~9~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
13	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~m	m
c1:	IF A.4/11 THEN o ELSE n/a.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~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
~~9~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Allow	[26] 20.5	m	m	[26] 20.5	m/om	m
3	Anonymity	[34] 5.2	o		[34] 5.2	o	
4	Call-Info	[26] 20.9	o		[26] 20.9	o	
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Expires	[26] 20.19	o		[26] 20.19	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
9	Server	[26] 20.35	o	o	[26] 20.35	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	User-Agent	[26] 20.41	o		[26] 20.41	o	
12	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/9 – INVITE response

Prerequisite: A.6/20 – 407

Table A.56: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Expires	[26] 20.19	o		[26] 20.19	o	
6	Proxy-Authenticate	[26] 20.27	oc1	c1	[26] 20.27	oc1	c1
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	Server	[26] 20.35	o	o	[26] 20.35	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	User-Agent	[26] 20.41	o		[26] 20.41	o	
12	Warning	[26] 20.43	o		[26] 20.43	o	
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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	~~o~~m	m
3A	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Anonymity	[34] 5.2	o		[34] 5.2		
~~5~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
6	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~7~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~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
~~10~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
11	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~12~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~13~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/9 – INVITE response

Prerequisite: A.6/27 – 420

Table A.58: 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~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~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~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

Prerequisite A.5/9 – INVITE response

Prerequisite: A.6/34 – 484

Table A.59: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Expires	[26] 20.19	o		[26] 20.19	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	Server	[26] 20.35	o	o	[26] 20.35	o	o
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	User-Agent	[26] 20.41	o		[26] 20.41	o	
11	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/9 – INVITE response

Prerequisite: A.6/42 - - 500

Table A.60: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Expires	[26] 20.19	o		[26] 20.19	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
9	Server	[26] 20.35	o	o	[26] 20.35	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	User-Agent	[26] 20.41	o		[26] 20.41	o	
12	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/9 – INVITE response

Prerequisite: A.6/45 - - 503

Table A.61: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Anonymity	[34] 5.2	o		[34] 5.2		
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Expires	[26] 20.19	o		[26] 20.19	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
9	Server	[26] 20.35	o	o	[26] 20.35	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	User-Agent	[26] 20.41	o		[26] 20.41	o	
12	Warning	[26] 20.43	o		[26] 20.43	o	

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	Accept	[50] 10	m		[50] 10	m	
2	Accept-Encoding	[50] 10	m		[50] 10	m	
3	Accept-Language	[50] 10	m		[50] 10	m	
4	Alert-Info	[50] 10	-		[50] 10	-	
5	Allow	[50] 10	o		[50] 10	m	
6	Allow-Events	[50] 10	n/a		[50] 10	n/a	
7	Anonymity	[50] 10	n/a		[50] 10	n/a	
xxx	Authentication-Info	[50] 10	o		[50] 10	o	
8	Authorization	[50] 10	o		[50] 10	o	
9	Call-ID	[50] 10	m		[50] 10	m	
10	Call-Info	[50] 10	o		[50] 10	o	
11	Contact	[50] 10	o		[50] 10	o	
12	Content-Disposition	[50] 10	o		[50] 10	o	
13	Content-Encoding	[50] 10	o		[50] 10	o	
14	Content-Language	[50] 10	o		[50] 10	o	
15	Content-Length	[50] 10	t		[50] 10	t	
16	Content-Type	[50] 10	*		[50] 10	*	
17	Cseq	[50] 10	m		[50] 10	m	
18	Date	[50] 10	o		[50] 10	o	
19	Expires	[50] 10			[50] 10		
Xxx	Error-Info	[50] 10	o		[50] 10	o	
xxx	Expires	[50] 10	o		[50] 10	o	

Item	Header	Sending			Receiving		
		Ref.	**RFC status**	**Profile status**	**Ref.**	**RFC status**	**Profile status**
20	From	[50] 10	m		[50] 10	m	
21	In-Reply-To	[50] 10	o		[50] 10	o	
22	Max-Forwards	[50] 10	m		[50] 10	m	
23	MIME-Version	[50] 10	-		[50] 10	-	
24	Organization	[50] 10	o		[50] 10	o	
25	P-Media-Authorization	[50] 10	n/a		[50] 10	n/a	
26	Priority	[50] 10	o		[50] 10	o	
27	Proxy-Authorization	[50] 10	o		[50] 10	o	
28	Proxy-Require	[50] 10	o		[50] 10	o	
29	Record-Route	[50] 10	-		[50] 10	-	
30	Remote-Party-ID	[50] 10	n/a		[50] 10	n/a	
31	Reply-To	[50] 10	o		[50] 10	o	
32	Require	[50] 10	c		[50] 10	c	
xxx	Retry-After	[50] 10	o		[50] 10	o	
33	Route	[50] 10	o		[50] 10	o	
xxx	Server	[50] 10	o		[50] 10	o	
34	Subject	[50] 10	o		[50] 10	o	
35	Supported	[50] 10	n/a		[50] 10	n/a	
36	Timestamp	[50] 10	o		[50] 10	o	
37	To	[50] 10	m		[50] 10	m	
xxx	Unsupported	[50] 10	o		[50] 10	o	
38	User-Agent	[50] 10	o		[50] 10	o	
39	Via	[50] 10	m		[50] 10	m	
xxx	Warning	[50] 10	m		[50] 10	m	
xxx	WWW-Authenticate	[50] 10	o		[50] 10	o	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~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	~~o~~m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~m	m
18	Proxy-Authorization	[26] 20.28	~~o~~c5	c5	[26] 20.28	~~o~~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
2~~8~~	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN o ELSE n/a.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						
c9:	IF A.4/15 OR A.4/20 THEN m ELSE n/a - - the REFER method or SIP specific event notification.						

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						

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-Length~~	~~[26] 20.14~~	~~m~~	~~m~~	~~[26] 20.14~~	~~m~~	~~m~~
~~3~~	~~Content-Type~~	~~[26] 20.15~~	~~m~~	~~m~~	~~[26] 20.15~~	~~m~~	~~m~~
4	Content-Disposition	[26] 20.11	o	o	[26] 20.11	~~o~~m	m
5	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
6	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~m	m
6A	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
6B	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	~~o~~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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	~~o~~c1	c1	[26] 20.6	~~o~~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
~~4~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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 or SIP specific event notification.						

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	~~o~~m (note)	m	[26] 20.10	~~o~~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	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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

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~~o~~	c1	[26] 20.27	~~o~~c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
8	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~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
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

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
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/20 - - 407

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~~o~~	c3	[26] 20.27	~~o~~c3	c3
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
6	WWW-Authenticate	[26] 20.44	o	o	[26] 20.44	o	o
c1:	IF A.4/11 THEN o ELSE n/a.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	~~o~~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
6	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
9	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/27 - - 420

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/34 - - 484

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/11 - - NOTIFY response

Prerequisite: A.6/39 - - 489

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
2	Authentication-Info	[26] 20.6	o		[26] 20.6	o	
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	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

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	~~o~~m	m	[26] 20.1	~~o~~m	m
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	~~m~~o	o	[26] 20.10	~~m~~o	o
9	Content-Disposition	[26] 20.11	o	o	[26] 20.11	~~o~~m	m
10	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
11	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~m	m
19	Organization	[26] 20.25	o	o	[26] 20.25	o	o
20	Proxy-Authorization	[26] 20.28	~~o~~c5	c5	[26] 20.28	~~o~~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.						
c2:	IF A.4/7 THEN m ELSE n/a.						
c3:	IF A.4/11 THEN o ELSE n/a.						
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.						
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: c2:	IF A.4/11 THEN o ELSE n/a. IF A.4/6 THEN m ELSE n/a.						

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	~~o~~m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	~~o~~m	m	[26] 20.1	~~o~~m	m
2	Allow	[26] 20.5	~~o~~o (note 1)	o	[26] 20.5	~~o/m~~m	m
3	Authentication-Info	[26] 20.6	~~o~~c1	c1	[26] 20.6	~~o~~c2	c2
4	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
5	Contact	[26] 20.10	o	o	[26] 20.10	o	o
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
10	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Contact	[26] 20.10	o (note)	o	[26] 20.10	om	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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/13 – OPTIONS response

Prerequisite: A.6/14 – 401

Table A.83: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	oc1	c1	[26] 20.27	oc1	c1
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
10	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	om	m
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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/13 – OPTIONS response

Prerequisite: A.6/20 – 407

Table A.86: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Proxy-Authenticate	[26] 20.27	oc1	c1	[26] 20.27	oc1	c1
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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	om	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	om	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	om	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Call-Info	[26] 20.9	o		[26] 20.9	o	
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	Server	[26] 20.35	o	o	[26] 20.35	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/13 – OPTIONS response

Prerequisite: A.6/27 – 420

Table A.88: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
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	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/13 – OPTIONS response

Prerequisite: A.6/34 – 484

Table A.89: 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		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Contact	[26] 20.10	o		[26] 20.10	o	
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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~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	~~o~~m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~m	m
17	Proxy-Authorization	[26] 20.28	~~o~~c5	c5	[26] 20.28	~~o~~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.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						

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	~~o~~m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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.						
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
2	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
3	Supported	[26] 20.37	m	m	[26] 20.37	m	m
4	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
5	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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	~~o~~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	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/14 - - 401

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	~~o~~c1	c1	[26] 20.27	~~o~~c1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
8	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~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
4	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

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
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/15 - - PRACK response

Prerequisite: A.6/20 - - 407

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	oc1	c1	[26] 20.27	oc1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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	om	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	om	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	om	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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/15 - PRACK response

Prerequisite: A.6/27 - 420@@@combine

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/15 – PRACK response

Prerequisite: A.6/34 – 484

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

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	o̶m	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	o̶m	m	[26] 20.10	o̶m	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	o̶m	m
14	Organization	[26] 20.25	o	o	[26] 20.25	o	o
15	Proxy-Authorization	[26] 20.28	o̶c5	c5	[26] 20.28	o̶n/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.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						

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	~~o~~m	m
3	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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

Table A.109: 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~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	~~o~~c1	c1	[26] 20.6	~~o~~c2	c2
3	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o~~m	m
~~4~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~7~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~9~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~10~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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"@@@combine

Table A.110: 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~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	~~o~~m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~4~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

Prerequisite A.5/17 – REFER response

Prerequisite: A.6/8 OR A.6/9 OR A.6/10 OR A.6/11OR A.6/12 – 401

Table A.111: 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~~	~~o~~		~~[26] 20.1~~	~~o~~	
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~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
4	Proxy-Authenticate	[26] 20.27	~~o~~c1	c1	[26] 20.27	~~o~~c1	c1
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
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
10	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~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	Accept	[26] 20.1	o		[26] 20.1	o	
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
4	Expires	[26] 20.19	o		[26] 20.19	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
7	Server	[26] 20.35	o	o	[26] 20.35	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Expires	[26] 20.19	o		[26] 20.19	o	
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/17 – REFER response

Prerequisite: A.6/20 – 407

Table A.114: 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	Contact	[26] 20.10	o		[26] 20.10	o	
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Expires	[26] 20.19	o		[26] 20.19	o	
4	Proxy-Authenticate	[26] 20.27	oc1	c1	[26] 20.27	oc1	c1
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	~~o~~m	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
~~7~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~9~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~10~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/17 – REFER response

Prerequisite: A.6/27 – 420

Table A.116: 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~~	~~o~~		~~[26] 20.1~~	~~o~~	
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
~~4~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
8	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
~~9~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~10~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

Prerequisite A.5/17 – REFER response

Prerequisite: A.6/34 – 484@@@combine

Table A.117: 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~~	~~o~~		~~[26] 20.1~~	~~o~~	
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
~~4~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~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	~~m~~o	o	[26] 20.10	m	m
9	Content-Disposition	[26] 20.11	o	o	[26] 20.11	~~o~~m	m
10	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
11	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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	~~o~~m	m
20	Organization	[26] 20.25	o	o	[26] 20.25	o	o
21	Proxy-Authorization	[26] 20.28	~~o~~c5	c5	[26] 20.28	~~o~~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.						
c2:	IF A.4/8 THEN m ELSE n/a.						
c3:	IF A.4/11 THEN o ELSE n/a.						
c5:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						
c7:	IF A.4/6 THEN m ELSE n/a.						
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	~~o~~m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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.						
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	o	[26] 20.1	~~o~~m	m
1A	Allow	[26] 20.5	o	o	[26] 20.5	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
2	Allow	[26] 20.5	o	o	[26] 20.5	~~o~~m	m
3	Authentication-Info	[26] 20.6	~~o~~c1	c1	[26] 20.6	~~o~~c2	c2
~~4~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
5	Contact	[26] 20.10	o	o	[26] 20.10	~~o~~m	m
~~6~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
~~8~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~10~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~11~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c1:	IF A.4/8 THEN o ELSE n/a - - authentication between UA and registrar.						
c2:	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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Contact	[26] 20.10	o (note)	o	[26] 20.10	om	m
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Expires	[26] 20.19	o		[26] 20.19	o	
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Server	[26] 20.35	o	o	[26] 20.35	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
NOTE: The strength of this requirement is RECOMMENDED rather than OPTIONAL.							

Prerequisite A.5/19 – REGISTER response

Prerequisite: A.6/14 – 401

Table A.125: 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	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Expires	[26] 20.19	o		[26] 20.19	o	
4A	Proxy-Authenticate	[26] 20.27	c1	x	[26] 20.27	c1	x
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
10	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	om	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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Expires	[26] 20.19	o		[26] 20.19	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
7	Server	[26] 20.35	o	o	[26] 20.35	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Allow	[26] 20.5	m	m	[26] 20.5	m	m
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
5	Expires	[26] 20.19	o		[26] 20.19	o	
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Server	[26] 20.35	o	o	[26] 20.35	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/19 – REGISTER response

Prerequisite: A.6/20 – 407

Table A.128: 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	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Expires	[26] 20.19	o		[26] 20.19	o	
5	Proxy-Authenticate	[26] 20.27	c1o	x	[26] 20.27	oc1	x
6	Require	[26] 20.32	m	m	[26] 20.32	m	m
7	Server	[26] 20.35	o	o	[26] 20.35	o	o
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
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	om	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	om	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	om	m
4	Allow	[26] 20.5	o	o	[26] 20.5	m	m
4	Call-Info	[26] 20.9	o		[26] 20.9	o	
5	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
6	Expires	[26] 20.19	o	o	[26] 20.19	o	o
7	Require	[26] 20.32	m	m	[26] 20.32	m	m
8	Server	[26] 20.35	o	o	[26] 20.35	o	o
9	Supported	[26] 20.37	m	m	[26] 20.37	m	m
10	User-Agent	[26] 20.41	o		[26] 20.41	o	
11	Warning	[26] 20.43	o		[26] 20.43	o	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/27 - - 420

Table A.130: 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	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Expires	[26] 20.19	o		[26] 20.19	o	
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
8	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/29 - - 423

Table A.131: 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	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o		[26] 20.18	o	
4	Expires	[26] 20.19	o		[26] 20.19	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
7	Server	[26] 20.35	o		[26] 20.35	o	
8	Supported	[26] 20.37	m	m	[26] 20.37	m	m
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/19 - - REGISTER response

Prerequisite: A.6/34 - - 484

Table A.132: 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			[26] 20.1	o	
1	Allow	[26] 20.5	o	o	[26] 20.5	m	m
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Expires	[26] 20.19	o		[26] 20.19	o	
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~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	~~o~~m	m
8	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
9	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~m~~o (note)	~~m~~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	~~o~~m	m
18A	Organization	[26] 20.25	o	o	[26] 20.25	o	o
19	Proxy-Authorization	[26] 20.28	~~o~~c5	c5	[26] 20.28	~~o~~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.						
c2:	IF A.4/20 THEN m ELSE n/a.						
c3:	IF A.4/7 THEN m ELSE n/a.						
c4:	IF A.4/11 THEN o ELSE n/a.						
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.						
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	mo	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	om	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	om	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	om	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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	oc1	c1	[26] 20.6	oc2	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
5	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	
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	mo (note)	m	[26] 20.10	om	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	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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

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	oc1	c1	[26] 20.27	oc1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
8	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	om	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	
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

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
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/20 - - 407

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	oc1	c1	[26] 20.27	oc1	c1
3	Require	[26] 20.32	m	m	[26] 20.32	m	m
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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	om	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	om	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	om	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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/27 - - 420

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/29 - - 423

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
4	Server	[26] 20.35	o		[26] 20.35	o	
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/34 - - 484

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
3	Server	[26] 20.35	o	o	[26] 20.35	o	o
4	Supported	[26] 20.37	m	m	[26] 20.37	m	m
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/39 - - 489

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
2	Authentication-Info	[26] 20.6	o		[26] 20.6	o	
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	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/21 - - SUBSCRIBE response

Prerequisite: A.6/45 - - 503

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
4	Server	[26] 20.35	o	o	[26] 20.35	o	o
5	Supported	[26] 20.37	m	m	[26] 20.37	m	m
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	

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	~~o~~m	m
2	Accept-Encoding	[26] 20.2	o	o	[26] 20.2	~~o~~m	m
3	Accept-Language	[26] 20.3	o	o	[26] 20.3	~~o~~m	m
4	Allow	[26] 20.5	o	o	[26] 20.5	~~o~~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	~~o~~m	m	[26] 20.10	~~o~~m	m
10	Content-Disposition	[26] 20.11	o	o	[26] 20.11	~~o~~m	m
11	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
12	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~m	m
20	Organization	[26] 20.25	o	o	[26] 20.25	o	o
21	Proxy-Authorization	[26] 20.28	~~o~~c10	c10	[26] 20.28	~~o~~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	c8	c8	[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
c1:	IF A.4/12 THEN o ELSE n/a.						
c2:	IF A.4/20 THEN o ELSE n/a.						
c3:	IF A.4/20 THEN m ELSE n/a.						
c4:	IF A.4/7 THEN m ELSE n/a.						
c5:	IF A.4/11 THEN o ELSE n/a.						
c6:	IF A.4/15 THEN o ELSE n/a.						
c7:	IF A.4/15 THEN m ELSE n/a.						
c8:	IF A.4/16 THEN m ELSE o -- support of timer extension.						
c9:	IF A.4/6 THEN o ELSE n/a.						
c10:	IF A.4/8A THEN m ELSE n/a - - authentication between UA and proxy.						

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 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
1A	Call-Info	[26] 20.9	o	o	[26] 20.9	o	o
2	Content-Disposition	[26] 20.11	o	o	[26] 20.11	~~o~~m	m
3	Content-Encoding	[26] 20.12	o	o	[26] 20.12	~~o~~m	m
4	Content-Language	[26] 20.13	o	o	[26] 20.13	~~o~~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	~~o~~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.						
c2:	IF A.4/6 THEN m ELSE n/a.						
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	~~m~~o	o	[26] 20.5	m	m
2	Authentication-Info	[26] 20.6	c1	c1	[26] 20.6	c2	c2
~~2~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
2A	Contact	[26] 20.10	m	m	[26] 20.10	m	m
~~3~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
4	Require	[26] 20.31	m	m	[26] 20.31	m	m
~~5~~	~~Server~~	~~[26] 20.35~~	~~o~~	~~o~~	~~[26] 20.35~~	~~o~~	~~o~~
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
~~7~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~8~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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
1	Call-Info	[26] 20.9	o		[26] 20.9	o	
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	om	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Organization	[26] 20.25	o		[26] 20.25	o	
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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
4	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	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
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.5/23 – 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
1	Call-Info	[26] 20.9	o		[26] 20.9	o	
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Organization	[26] 20.25	o		[26] 20.25	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
6	Server	[26] 20.35	o	o	[26] 20.35	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

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
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Organization	[26] 20.25	o		[26] 20.25	o	
5	Require	[26] 20.32	m	m	[26] 20.33	m	m
6	Server	[26] 20.35	o	o	[26] 20.37	o	o
7	Supported	[26] 20.37	m	m	[26] 20.37	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

Prerequisite A.5/23 – UPDATE response

Prerequisite: A.6/20 – 407

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
1	Call-Info	[26] 20.9	o		[26] 20.9	o	
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Organization	[26] 20.25	o		[26] 20.25	o	
4	Proxy-Authenticate	[26] 20.27	oc1	c1	[26] 20.27	oc1	c1
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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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	om	m
2	Accept-Encoding	[26] 20.2	o.1	o.1	[26] 20.2	om	m
3	Accept-Language	[26] 20.3	o.1	o.1	[26] 20.3	om	m
4	Allow	[26] 20.5	o	o	[26] 20.5	om	m
5	Call-Info	[26] 20.9	o		[26] 20.9	o	
6	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
7	Organization	[26] 20.25	o		[26] 20.25	o	
8	Require	[26] 20.32	m	m	[26] 20.32	m	m
9	Server	[26] 20.35	o	o	[26] 20.35	o	o
10	Supported	[26] 20.37	m	m	[26] 20.37	m	m
11	User-Agent	[26] 20.41	o		[26] 20.41	o	
12	Warning	[26] 20.43	o		[26] 20.43	o	
o.1	At least one of these capabilities is supported.						

Prerequisite A.5/23 – UPDATE response

Prerequisite: A.6/27 – 420

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
1	Call-Info	[26] 20.9	o		[26] 20.9	o	
2	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
3	Organization	[26] 20.25	o		[26] 20.25	o	
4	Require	[26] 20.32	m	m	[26] 20.32	m	m
5	Server	[26] 20.35	o	o	[26] 20.35	o	o
6	Supported	[26] 20.37	m	m	[26] 20.37	m	m
7	Unsupported	[26] 20.40	m	m	[26] 20.40	m	m
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	

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
1	Call-Info	[26] 20.9	o		[26] 20.9	o	
2	Contact	[26] 20.10	o (note)	o	[26] 20.10	o m	m
3	Error-Info	[26] 20.18	o	o	[26] 20.18	o	o
4	Organization	[26] 20.25	o		[26] 20.25	o	
5	Require	[26] 20.32	m	m	[26] 20.33	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
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
NOTE:	The strength of this requirement is RECOMMENDED rather than OPTIONAL.						

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	n/a
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 routeing	[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
25	SIP extensions for caller identity and privacy?	[34]	o	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	Path Extension Header for Establishing Service Route with SIP REGISTER	[35]	o	c5
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
c1:	IF A.162/5 THEN o ELSE n/a			
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.3/2 OR A.3/3 THEN m ELSE n/a. - - P-CSCF or I-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
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	m	m	[27] 6	m	m
15	PRACK response	[27] 6	m	m	[27] 6	m	m
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.						
c2:	IF A.162/20 THEN m ELSE n/a.						
c3	IF A.162/27 THEN m ELSE n/a.						
c4	IF A.162/24 THEN m ELSE n/a - - the SIP UPDATE method.						

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 (Registration 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 Leg/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 Cancelled)	[26] 21.4.25			[26] 21.4.25		
38	488 (Not Acceptable Here)	[26] 21.4.26			[26] 21.4.26		
39	489 (Bad Events)	[28] 8.3.2	c4	c4	[28] 8.3.2	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		
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 (SIP 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.						
c2:	IF A.162/15 THEN m ELSE i.						
c3:	IF A.163/9 THEN m ELSE n/a.						
c4:	IF A.162/27 THEN m ELSE n/a.						
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.						

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
1	Allow	[26] 20.5	o		[26] 20.5	o	
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	o		[26] 20.10	o	
6	Content-Disposition	[26] 20.11	om	m	[26] 20.11	oi	c3
7	Content-Encoding	[26] 20.12	om	m	[26] 20.12	oi	c3
8	Content-Language	[26] 20.13	om	m	[26] 20.13	oi	c3
9	Content-Length	[26] 20.14	m	m	[26] 20.14	m	m
10	Content-Type	[26] 20.15	m	m	[26] 20.15	mi	mc3
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	om	m	[26] 20.24	oi	c3
16	Proxy-Authorization	[26] 20.28	om	m	[26] 20.28	oc4	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	om	m	[26] 20.41	oi	i
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	~~o~~m	m	[26] 20.11	~~o~~i	c3
8	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c3
9	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	c3
17	Proxy-Authorization	[26] 20.28	~~o~~m	m	[26] 20.28	~~o~~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	~~o~~m	m	[26] 20.41	~~o~~i	i
26	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN o ELSE i.						
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.						

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	~~o~~m	m	[26] 20.11	~~o~~i	c2
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c2
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	c2
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	o		[26] 20.38	o	
12	To	[26] 20.39	m	m	[26] 20.39	m	m
6	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.						
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	~~o~~m	m	[26] 20.6~~p~~	~~o~~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
4	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN o ELSE i.						

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	o̶m	m	[26] 20.10	o̶c1	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	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

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 - - 401

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	o̶m	m	[26] 20.27	o̶m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
8	WWW-Authenticate	[26] 20.44	o̶m	m	[26] 20.44	o̶i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
4	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	~~m~~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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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 - - 407

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	~~o~~m	m	[26] 20.27	~~o~~m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.163/3 – 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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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
~~6~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/27 - - 420

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/3 - - BYE response

Prerequisite: A.164/34 - - 484

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Accept-Encoding	[26] 20.2	o		[26] 20.2	o	
3	Accept-Language	[26] 20.3	o		[26] 20.3	o	
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-Language	[26] 20.13	o		[26] 20.13	o	
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	MIME-Version	[26] 20.24	o		[26] 20.24	o	
14	Proxy-Authorization	[26] 20.28	o		[26] 20.28	o	
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	om	m	[26] 20.41	oi	i
23	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
c5:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN o ELSE i.						
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.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/6 - - 200

Table A.184: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN o ELSE i.						

Prerequisite A.163/5 - - CANCEL response

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

Table A.185: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Proxy-Authenticate	[26] 20.27	o		[26] 20.27	o	
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	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
8	WWW-Authenticate	[26] 20.44	o		[26] 20.44	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/27 - - 420

Table A.187: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/5 - - CANCEL response

Prerequisite: A.164/34 - - 484

Table A.188: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Content-Language	[26] 20.13	o		[26] 20.13	o	
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	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	~~o~~m	m	[26] 20.10	~~o~~i	i
7A	Content-Disposition	[26] 20.11	m	m	[26] 20.11	i	c4
8	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~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	~~m~~i	~~m~~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
~~13~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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	~~o~~m	m	[26] 20.25	~~o~~c3	c3
17	Priority	[26] 20.26	m	m	[26] 20.26	i	i
18	Proxy-Authorization	[26] 20.28	~~o~~m	m	[26] 20.28	~~o~~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~~4~~.3~~6~~8	~~o~~m	m	[26] 20~~4~~.3~~6~~8	~~o~~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	~~o~~m	m	[26] 20.41	~~o~~i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1:	IF A.4/20 THEN m ELSE i.
c2:	IF A.162/9 THEN m ELSE i.
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.
c6:	IF A.162/16 THEN m ELSE i.
c7:	IF A.162/14 THEN o ELSE i.
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.						

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	~~o~~m	m	[26] 20.12	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.25	~~o~~c2	c2
8A	Server	[26] 20.35	m	m	[26] 20.35	i	i
9	Timestamp	[26] 20.38	i	i	[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.						
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	~~m~~i	i
1A	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
~~2~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
~~3~~	~~Proxy-Authenticate~~	~~[26] 20.27~~	~~o~~		~~[26] 20.27~~	~~o~~	
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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
~~10~~	~~WWW-Authenticate~~	~~[26] 20.44~~	~~o~~		~~[26] 20.44~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN o ELSE i.						

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Via	[26] 20.42	m	m	[26] 20.42	m	m
8	Warning	[26] 20.43	o		[26] 20.43	o	
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.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/14 - - 401

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	Expires	[26] 20.19	o		[26] 20.19	o	
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
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
8	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	oi	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
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	Server	[26] 20.35	m	m	[26] 20.35	i	i
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	~~m~~i	i
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~3~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
4	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~5~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~7~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~8~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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 @@@ combine

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
~~2~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/27 - - 420

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
7	User-Agent	[26] 20.41	o		[26] 20.41	o	
8	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/7 - - INFO response

Prerequisite: A.164/34 - - 484

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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 OR A.164/35 - - 3xx or 485 "Ambiguous" @@@ combine

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
2	Expires	[26] 20.19	o		[26] 20.19	o	
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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.						

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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	Alert-Info	[26] 20.4	c2	c2	[26] 20.4	c3	c3
6	Allow	[26] 20.5, [26] 13	o		[26] 20.5, [26] 13	o	
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	~~o~~m	m	[26] 20.9	~~o~~c12	c12
11	Contact	[26] 20.10	m	m	[26] 20.10	~~m~~i	i
12	Content-Disposition	[26] 20.11	~~o~~m	m	[26] 20.11	~~o~~i	c6
13	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c6
14	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.19	~~o~~i	i
20	From	[26] 20.20	m	m	[26] 20.20	m	m
21	In-Reply-To	[26] 24.21	m	m	[26] 24.21	i	i
22	Max-Forwards	[26] 20.22	m	m	[26] 20.22	m	m
23	MIME-Version	[26] 20.24	~~o~~m	m	[26] 20.24	~~o~~i	c6
24	Organization	[26] 20.25	~~o~~m	m	[26] 20.25	~~o~~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	~~o~~m	m	[26] 20.28	~~o~~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] 20.4.36~~8~~	~~o~~m	m	[26] 20.4.36~~8~~	~~o~~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	~~o~~m	m	[26] 20.41	~~o~~i	i
39	Via	[26] 20.42	m	m	[26] 20.42	m	m

c1: IF A.4/20 THEN m ELSE i.
c2: IF A.162/10 THEN n/a ELSE m.
c3: IF A.162/10 THEN m ELSE i.
c4: IF A.162/9 THEN m ELSE i.
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.
c8: IF A.162/16 THEN m ELSE i.
c9: IF A.162/26 THEN m ELSE n/a.
c10: IF A.3/2 THEN m ELSE n/a.
c11: IF A.162/14 THEN m ELSE i.
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.

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
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 proxies that insert 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, [30] 8.3	~~o~~m	m	[26] 20.11, [30] 8.3	~~o~~i	c3
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c3
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	c3
11	Organization	[26] 20.25	~~o~~m	m	[26] 20.25	~~o~~c2	c2
11A	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	i	i	[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.						
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.						
c12:	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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o/m~~i	i
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~10~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
11	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~12~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~13~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c9:	IF A.162/26 THEN m ELSE n/a.						
c10:	IF A.3/2 THEN m ELSE n/a.						

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	~~o~~m	m	[26] 20.1	~~o~~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	~~o~~m	m	[26] 20.5	~~o~~i	i
3	Anonymity	[34] 5.2	o		[34] 5.2		
4	Authentication-Info	[26] 20.6	~~o~~m	m	[26] 20.6	~~o~~i	i
~~5~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
6	Contact	[26] 20.10	m	m	[26] 20.10	~~m~~i	i
~~7~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~12~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
13	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~14~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~15~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/14 THEN m ELSE i.						
c9:	IF A.162/26 THEN m ELSE n/a.						
c10:	IF A.3/2 THEN m ELSE n/a.						

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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o/m~~c1	c1
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~6~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/14 - - 401

Table A.211: 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~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
6	Proxy-Authenticate	[26] 20.27	~~o~~m	m	[26] 20.27	~~o~~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
~~9~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
11	Timestamp	[26] 20.38	i	i	[26] 20.38	i	i
12	To	[26] 20.39	m	m	[26] 20.39	m	m
~~13~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~14~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
15	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~9~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
12	Via	[26] 20.42	m	m	[26] 20.42	m	m
~~13~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
~~1~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
2	Allow	[26] 20.5	m	m	[26] 20.5	~~m/o~~i	i
3	Anonymity	[34] 5.2	o		[34] 5.2	o	
~~4~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~6~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
7	From	[26] 20.20	m	m	[26] 20.20	m	m
~~8~~	~~MIME-Version~~	~~[26] 20.24~~	~~o~~		~~[26] 20.24~~	~~o~~	
~~9~~	~~Organization~~	~~[26] 20.25~~	~~o~~		~~[26] 20.25~~	~~o~~	
10	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
11	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~12~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
13	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~14~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~15~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/20 - - 407

Table A.214: 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~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
6	Proxy-Authenticate	[26] 20.27	~~o~~m	m	[26] 20.27	~~o~~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
~~9~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
10	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~i	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Anonymity	[34] 5.2	o		[34] 5.2		
~~5~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
6	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~7~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
8	Remote-Party-ID	[34] 5.1	o		[34] 5.1	o	
9	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~10~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
11	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~12~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~13~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/27 - - 420

Table A.216: 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~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
~~3~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~5~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
~~11~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/9 - - INVITE response

Prerequisite: A.164/34 - - 484

Table A.217: 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		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Anonymity	[34] 5.2	o		[34] 5.2		
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Expires	[26] 20.19	o		[26] 20.19	o	
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	Server	[26] 20.35	m	m	[26] 20.35	i	i
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	User-Agent	[26] 20.41	o		[26] 20.41	o	
11	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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.2.2.4.8   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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	~~o~~m	m	[26] 20.11	~~o~~i	i
8	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	i
9	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	i
18	Proxy-Authorization	[26] 20.28	~~o~~m	m	[26] 20.28	~~o~~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] 24.39	m	m	[26] 24.39	m	m
27	User-Agent	[26] 20.41	~~o~~m	m	[26] 20.41	~~o~~i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN (IF A.162/22 OR A.162/27 THEN m ELSE o) ELSE i.						
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	~~o~~m	m	[26] 20.11	~~o~~i	i
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	i
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	i
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	o		[26] 20.38	o	
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.						

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	~~o~~m	m	[26] 20.6	~~o~~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
4	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
7	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN m ELSE i.						

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	~~o~~m	m	[26] 20.10	~~o~~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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/14 - - 401

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	~~o~~m	m	[26] 20.27	~~o~~m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
8	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	mi	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	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/20 - - 407

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	om	m	[26] 20.27	om	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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.163/11 - - 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	om	m	[26] 20.1	oi	i
2	Accept-Encoding	[26] 20.2	om	m	[26] 20.2	oi	i
3	Accept-Language	[26] 20.3	om	m	[26] 20.3	oi	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
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/27 - - 420

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/34 - - 484

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/11 - - NOTIFY response

Prerequisite: A.164/39 - - 489

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
2	Authentication-Info	[26] 20.6	o		[26] 20.6	o	
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
5	Server	[26] 20.35	m	m	[26] 20.35	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.4/20 THEN m ELSE i.						
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	~~o~~m	m	[26] 20.9	~~o~~c4	c4
8	Contact	[26] 20.10	m	m	[26] 20.10	~~m~~i	i
9	Content-Disposition	[26] 20.11	~~o~~m	m	[26] 20.11	~~o~~i	i
10	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	i
11	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	i
19	Organization	[26] 20.25	~~o~~m	m	[26] 20.25	~~o~~c3	c3
20	Proxy-Authorization	[26] 20.28	~~o~~m	m	[26] 20.28	~~o~~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	~~o~~m	m	[26] 20.41	~~o~~i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN o ELSE i.						
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.						

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	o̶m	m	[26] 20.11	o̶i	i
3	Content-Encoding	[26] 20.12	o̶m	m	[26] 20.12	o̶i	i
4	Content-Language	[26] 20.13	o̶m	m	[26] 20.13	o̶i	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	m̶i	m̶i
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	o̶m	m	[26] 20.24	o̶i	i
11	Organization	[26] 20.25	o̶m	m	[26] 20.25	o̶c2	c2
11A	Server	[26] 20.35	m	m	[26] 20.35	i	i
12	Timestamp	[26] 20.38	i	i	[26] 20.38	i	i
13	To	[26] 20.39	m	m	[26] 20.39	m	m
13	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.						
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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Allow	[26] 20.5	~~o~~m	m	[26] 20.5	~~o/m~~i	i
3	Authentication-Info	[26] 20.6	~~o~~m	m	[26] 20.6	~~o~~i	i
~~4~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
5	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o~~i	i
6	From	[26] 20.20	m	m	[26] 20.20	m	m
~~7~~	~~MIME-Version~~	~~[26] 20.24~~	~~o~~		~~[26] 20.24~~	~~o~~	
~~8~~	~~Organization~~	~~[26] 20.25~~	~~o~~		~~[26] 20.25~~	~~o~~	
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
~~11~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
12	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~13~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~14~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN o ELSE i.						

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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
~~2~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
3	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o~~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
~~6~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

Prerequisite A.163/13 – OPTIONS response

Prerequisite: A.164/14 – 401

Table A.239: 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		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	om	m	[26] 20.27	om	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
10	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	oi	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	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	Retry-After	[26] 20.33	m	m	[26] 20.33	i	i
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Allow	[26] 20.5	m	m	[26] 20.5	mi	mi
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
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
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/13 – OPTIONS response

Prerequisite: A.164/20 – 407

Table A.242: 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		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Proxy-Authenticate	[26] 20.27	om	m	[26] 20.27	om	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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.						

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	om	m	[26] 20.1	oi	i
2	Accept-Encoding	[26] 20.2	om	m	[26] 20.2	oi	i
3	Accept-Language	[26] 20.3	om	m	[26] 20.3	oi	i
4	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Call-Info	[26] 20.9	o		[26] 20.9	o	
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	Server	[26] 20.35	m	m	[26] 20.35	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/13 – OPTIONS response

Prerequisite: A.164/27 – 420

Table A.244: 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		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	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	Server	[26] 20.35	m	m	[26] 20.35	i	i
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
7	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/13 – OPTIONS response

Prerequisite: A.164/34 – 484

Table A.245: 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		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Contact	[26] 20.10	o		[26] 20.10	o	
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
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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	~~o~~m	m	[26] 20.11	~~o~~i	c3
8	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c3
9	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	c3
17	Proxy-Authorization	[26] 20.28	~~o~~m	m	[26] 20.28	~~o~~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	~~o~~m	m	[26] 20.41	~~o~~i	i
27	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN 0 ELSE i.						
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.						

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	~~o~~m	m	[26] 20.11	~~o~~i	c2
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c2
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	c2
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	i	i	[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.						
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
3	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
6	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN o ELSE i.						

3GPP

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	~~o~~m	m	[26] 20.10	~~o~~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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

Prerequisite A.163/15 – PRACK response

Prerequisite: A.164/14 – 401

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	~~o~~m	m	[26] 20.27	~~o~~m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
8	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	~~m~~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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/15 – PRACK response

Prerequisite: A.164/20 – 407

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	~~o~~m	m	[26] 20.27	~~o~~m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.163/15 – 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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Accept-Encoding	[26] 20.2	~~o~~m	m	[26] 20.2	~~o~~i	i
3	Accept-Language	[26] 20.3	~~o~~m	m	[26] 20.3	~~o~~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
~~6~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/15 – PRACK response

Prerequisite: A.164/27 – 420@@@combine

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/15 - - PRACK response

Prerequisite: A.164/34 - - 484

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
oB	Accept-Encoding	[26] 20.2	m	m	[26] 20.2	i	i
1	Accept-Language	[26] 20.3	om	m	[26] 20.3	oi	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	om	m	[26] 20.10	oi	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	mi	mi
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	om	m	[26] 20.19	oi	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	om	m	[26] 20.24	oi	i
14	Organization	[26] 20.25	om	m	[26] 20.25	oc3	c3
15	Proxy-Authorization	[26] 20.28	om	m	[26] 20.28	oc4	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	om	m	[26] 20.41	oi	i
25	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN m ELSE i.						
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.						

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	~~o~~m	m	[26] 20.12	~~o~~i	i
3	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	i
10	Organization	[26] 20.25	~~o~~m	m	[26] 20.25	~~o~~c2	c2
10A	Server	[26] 20.35	m	m	[26] 20.35	i	i
11	Timestamp	[26] 20.38	i	i	[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.						
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

Table A.265: 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~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Authentication-Info	[26] 20.6	~~o~~m	m	[26] 20.6	~~o~~i	i
3	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o~~i	i
~~4~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~7~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~9~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~10~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN m ELSE i.						

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"@@@combine

Table A.266: 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	o		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Contact	[26] 20.10	om	m	[26] 20.10	oc1	c1
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Expires	[26] 20.19	o		[26] 20.19	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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.						

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

Table A.267: 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	o		[26] 20.1	o	
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	Expires	[26] 20.19	o		[26] 20.19	o	
4	Proxy-Authenticate	[26] 20.27	om	m	[26] 20.27	om	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
10	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	oi	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
1	Allow	[26] 20.5	m	m	[26] 20.5	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~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
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
~~7~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~9~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~10~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
~~1~~	~~Accept~~	~~[26] 20.1~~	~~o~~		~~[26] 20.1~~	~~o~~	
2	Allow	[26] 20.5	m	m	[26] 20.5	~~m~~i	~~m~~i
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
~~4~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~6~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~8~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/17 – REFER response

Prerequisite: A.164/20 – 407

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
1	Contact	[26] 20.10	o		[26] 20.10	o	
2	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
3	Expires	[26] 20.19	o		[26] 20.19	o	
4	Proxy-Authenticate	[26] 20.27	om	m	[26] 20.27	om	m
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
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.						

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	om	m	[26] 20.1	oi	i
2	Accept-Encoding	[26] 20.2	om	m	[26] 20.2	oi	i
3	Accept-Language	[26] 20.3	om	m	[26] 20.3	oi	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	Expires	[26] 20.19	o		[26] 20.19	o	
6	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
7	Server	[26] 20.35	m	m	[26] 20.35	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/17 – REFER response

Prerequisite: A.164/27 – 420

Table A.272: 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	o		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	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	Expires	[26] 20.19	o		[26] 20.19	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/17 – REFER response

Prerequisite: A.164/34 – 484@@@combine

Table A.273: 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	o		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	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	Expires	[26] 20.19	o		[26] 20.19	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	o̶m	m	[26] 20.1	o̶i	i
2	Accept-Encoding	[26] 20.2	o̶m	m	[26] 20.2	o̶i	i
3	Accept-Language	[26] 20.3	o̶m	m	[26] 20.3	o̶i	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	o̶m	m	[26] 20.9	o̶c2	c2
8	Contact	[26] 20.10	m	m	[26] 20.10	m̶i	i
9	Content-Disposition	[26] 20.11	o̶m	m	[26] 20.11	o̶i	i
10	Content-Encoding	[26] 20.12	o̶m	m	[26] 20.12	o̶i	i
11	Content-Language	[26] 20.13	o̶m	m	[26] 20.13	o̶i	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	m̶i	m̶i
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	o̶m	m	[26] 20.19	o̶i	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	o̶m	m	[26] 20.24	o̶i	i
20	Organization	[26] 20.25	o̶m	m	[26] 20.25	o̶c3	c3
21	Proxy-Authorization	[26] 20.28	o̶m	m	[26] 20.28	o̶c6	c6
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	o̶m	m	[26] 20.41	o̶i	i
29	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
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.						
c5:	IF A.162/16 THEN m ELSE i.						
c6:	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	~~o~~m	m	[26] 20.11	~~o~~i	i
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	i
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	i
11	Organization	[26] 20.25	~~o~~m	m	[26] 20.25	~~o~~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	~~o~~m	m	[26] 20.1	~~o~~i	i
2	Allow	[26] 20.5	~~o~~m	m	[26] 20.5	~~o~~i	i
3	Authentication-Info	[26] 20.6	~~o~~m	m	[26] 20.6	~~o~~i	i
~~4~~	~~Call-Info~~	~~[26] 20.9~~	~~o~~		~~[26] 20.9~~	~~o~~	
5	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o~~i	i
~~6~~	~~Expires~~	~~[26] 20.19~~	~~o~~		~~[26] 20.19~~	~~o~~	
7	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
~~8~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~10~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~11~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						

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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Contact	[26] 20.10	om	m	[26] 20.10	oc2	c2
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Expires	[26] 20.19	o		[26] 20.19	o	
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Server	[26] 20.35	m	m	[26] 20.35	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						
c2:	IF A.162/19E THEN m ELSE i - - deleting Contact headers.						

Prerequisite A.163/19 – REGISTER response

Prerequisite: A.164/14 – 401

Table A.281: 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	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Expires	[26] 20.19	o		[26] 20.19	o	
4A	Proxy-Authenticate	[26] 20.27	m	m	[26] 20.27	m	m
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
10	WWW-Authenticate	[26] 20.44	om	m	[26] 20.44	oi	i
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						

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	Accept	[26] 20.1	o		[26] 20.1	o	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Expires	[26] 20.19	o		[26] 20.19	o	
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
7	Server	[26] 20.35	m	m	[26] 20.35	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						

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
1	Accept	[26] 20.1	o		[26] 20.1	o	
2	Allow	[26] 20.5	m	m	[26] 20.5	mi	i
3	Call-Info	[26] 20.9	o		[26] 20.9	o	
4	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
5	Expires	[26] 20.19	o		[26] 20.19	o	
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Server	[26] 20.35	m	m	[26] 20.35	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						

Prerequisite A.163/19 – REGISTER response

Prerequisite: A.164/20 – 407

Table A.284: 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	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Expires	[26] 20.19	o		[26] 20.19	o	
5	Proxy-Authenticate	[26] 20.27	om	m	[26] 20.27	om	m
6	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
7	Server	[26] 20.35	m	m	[26] 20.35	i	i
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
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.						

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	om	m	[26] 20.1	oi	i
2	Accept-Encoding	[26] 20.2	om	m	[26] 20.2	oi	i
3	Accept-Language	[26] 20.3	om	m	[26] 20.3	oi	i
3A	Allow	[26] 20.5	m	m	[26] 20.5	i	i
4	Call-Info	[26] 20.9	o		[26] 20.9	o	
5	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
6	Expires	[26] 20.19	o		[26] 20.19	o	
7	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
8	Server	[26] 20.35	m	m	[26] 20.35	i	i
9	Supported	[26] 20.37	m	m	[26] 20.37	i	i
10	User-Agent	[26] 20.41	o		[26] 20.41	o	
11	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						

Prerequisite A.163/19 – REGISTER response

Prerequisite: A.164/27 – 420

Table A.286: 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	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Expires	[26] 20.19	o		[26] 20.19	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						
c3:	IF A.162/17 THEN m ELSE.i						

Prerequisite A.163/19 - - REGISTER response

Prerequisite: A.164/29 - - 423

Table A.287: 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	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	o		[26] 20.18	o	
4	Expires	[26] 20.19	o		[26] 20.19	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
7	Server	[26] 20.35	o		[26] 20.35	o	
8	Supported	[26] 20.37	m	m	[26] 20.37	i	i
9	User-Agent	[26] 20.41	o		[26] 20.41	o	
10	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/19 – REGISTER response

Prerequisite: A.164/34 – 484

Table A.288: 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	
1	Allow	[26] 20.5	m	m	[26] 20.5	i	i
2	Call-Info	[26] 20.9	o		[26] 20.9	o	
3	Error-Info	[26] 20.18	m	m	[26] 20.18	i	i
4	Expires	[26] 20.19	o		[26] 20.19	o	
5	Require	[26] 20.32	m	m	[26] 20.32	c1	c1
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.162/11 OR A.162/12 THEN m ELSE i.						

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	o̶m	m	[26] 20.1	o̶i	i
2	Accept-Encoding	[26] 20.2	o̶m	m	[26] 20.2	o̶i	i
3	Accept-Language	[26] 20.3	o̶m	m	[26] 20.3	o̶i	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	o̶m	m	[26] 20.11	o̶i	i
8	Content-Encoding	[26] 20.12	o̶m	m	[26] 20.12	o̶i	i
9	Content-Language	[26] 20.13	o̶m	m	[26] 20.13	o̶i	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	m̶i	m̶i
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	o̶m	m	[26] 20.24	o̶i	i
18A	Organization	[26] 20.25	m	m	[26] 20.25	c3	c3
19	Proxy-Authorization	[26] 20.28	o̶m	m	[26] 20.28	o̶c4	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	o̶m	m	[26] 20.41	o̶i	i
28	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN m ELSE i.						
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	~~o~~m	m	[26] 20.11	~~o~~i	i
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	i
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~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	o		[26] 20.38	o	
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.						
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	~~o~~m	m	[26] 20.6	~~o~~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
~~5~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
6	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~7~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~8~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN m ELSE i.						

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	~~o~~m	m	[26] 20.10	~~o~~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~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
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.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/14 - - 401

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	~~o~~m	m	[26] 20.27	~~o~~m	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
8	WWW-Authenticate	[26] 20.44	~~o~~m	m	[26] 20.44	~~o~~i	i
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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
~~4~~	~~Server~~	~~[26] 20.35~~	~~m~~	~~m~~	~~[26] 20.35~~	~~i~~	~~i~~
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
~~6~~	~~User-Agent~~	~~[26] 20.41~~	~~o~~		~~[26] 20.41~~	~~o~~	
~~7~~	~~Warning~~	~~[26] 20.43~~	~~o~~		~~[26] 20.43~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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	mi	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	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/20 - - 407

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	om	m	[26] 20.27	om	m
3	Require	[26] 20.32	m	m	[26] 20.32	c2	c2
4	Server	[26] 20.35	m	m	[26] 20.35	i	i
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
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.163/21 - - 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	om	m	[26] 20.1	oi	i
2	Accept-Encoding	[26] 20.2	om	m	[26] 20.2	oi	i
3	Accept-Language	[26] 20.3	om	m	[26] 20.3	oi	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
6	Server	[26] 20.35	m	m	[26] 20.35	i	i
7	Supported	[26] 20.37	m	m	[26] 20.37	i	i
8	User-Agent	[26] 20.41	o		[26] 20.41	o	
9	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/27 - - 420

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	Unsupported	[26] 20.40	m	m	[26] 20.40	c3	c3
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/29 -- 423

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
4	Server	[26] 20.35	o		[26] 20.35	o	
5	Supported	[26] 20.37	m	m	[26] 20.37	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/34 - - 484

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
3	Server	[26] 20.35	m	m	[26] 20.35	i	i
4	Supported	[26] 20.37	m	m	[26] 20.37	i	i
5	User-Agent	[26] 20.41	o		[26] 20.41	o	
6	Warning	[26] 20.43	o		[26] 20.43	o	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/21 - - SUBSCRIBE response

Prerequisite: A.164/39 - - 489

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
2	Authentication-Info	[26] 20.6	o		[26] 20.6	o	
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
5	Server	[26] 20.35	m	m	[26] 20.35	i	i
6	User-Agent	[26] 20.41	o		[26] 20.41	o	
7	Warning	[26] 20.43	o		[26] 20.43	o	
c1:	IF A.4/20 THEN m ELSE i.						
c3:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
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	o m	m	[26] 20.1	o i	i
2	Accept-Encoding	[26] 20.2	o m	m	[26] 20.2	o i	i
3	Accept-Language	[26] 20.3	o m	m	[26] 20.3	o i	i
4	Allow	[26] 20.5	o m	m	[26] 20.5	o 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	~~o~~m	m	[26] 20.9	c8~~o~~	c8
9	Contact	[26] 20.10	~~o~~m	m	[26] 20.10	~~o~~i	i
10	Content-Disposition	[26] 20.11	~~o~~m	m	[26] 20.11	~~o~~i	c4
11	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c4
12	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~i	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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~i	c4
20	Organization	[26] 20.25	~~o~~m	m	[26] 20.25	~~o~~c3	c3
21	Proxy-Authorization	[26] 20.28	~~o~~m	m	[26] 20.28	~~o~~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	~~o~~m	m	[26] 20.41	~~o~~i	i
30	Via	[26] 20.42	m	m	[26] 20.42	m	m
c1:	IF A.4/20 THEN m ELSE i.						
c2:	IF A.162/9 THEN m ELSE i.						
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.						
c6:	IF A.162/16 THEN m ELSE i.						
c7:	IF A.162/14 THEN o ELSE i.						
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.						

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 – INVITE response

Table A.307: 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
1A	Call-Info	[26] 20.9	m	m	[26] 20.9	c4	c4
2	Content-Disposition	[26] 20.11	~~o~~m	m	[26] 20.11	~~o~~i	c3
3	Content-Encoding	[26] 20.12	~~o~~m	m	[26] 20.12	~~o~~i	c3
4	Content-Language	[26] 20.13	~~o~~m	m	[26] 20.13	~~o~~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	~~m~~i	~~m~~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	~~o~~m	m	[26] 20.24	~~o~~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	o		[26] 20.38	o	
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.						
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] 24.5	m	m	[26] 24.5	~~m~~i	i
2	Authentication-Info	[26] 20.6	m	m	[26] 20.6	i	i
~~2~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
3	Contact	[26] 20.10	m	m	[26] 20.10	i	i
~~3~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
4	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
~~5~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
6	Supported	[26] 24.39	m	m	[26] 24.39	i	i
~~7~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~8~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/15 THEN o ELSE i.						

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
~~1~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
2	Contact	[26] 24.10	~~o~~m	m	[26] 24.10	~~o~~c1	c1
3	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
4	From	[26] 24.20	m	m	[26] 24.20	m	m
5	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
~~6~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
7	Supported	[26] 24.39	m	m	[26] 24.39	i	i
~~8~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
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.						

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
~~1~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
2	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
~~3~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
4	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
5	Retry-After	[26] 24.34	m	m	[26] 24.34	i	i
~~6~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
7	Supported	[26] 24.39	m	m	[26] 24.39	i	i
~~8~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

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] 24.5	m	m	[26] 24.5	~~m~~i	i
~~2~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
3	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
~~4~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
5	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
~~6~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
7	Supported	[26] 24.39	m	m	[26] 24.39	i	i
~~8~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/20 - - 407

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
~~1~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
2	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
~~3~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
4	Proxy-Authenticate	[26] 24.27	~~o~~m	m	[26] 24.27	~~o~~m	m
5	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
~~6~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
7	Supported	[26] 24.39	m	m	[26] 24.39	i	i
~~8~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
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.						

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] 24.1	~~o~~m	m	[26] 24.1	~~o~~i	i
2	Accept-Encoding	[26] 24.2	~~o~~m	m	[26] 24.2	~~o~~i	i
3	Accept-Language	[26] 24.3	~~o~~m	m	[26] 24.3	~~o~~i	i
4	Allow	[26] 20.5	~~o~~m	m	[26] 20.5	~~o~~i	i
~~5~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
6	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
~~7~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
8	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
~~9~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
10	Supported	[26] 24.39	m	m	[26] 24.39	i	i
~~11~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~12~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						

Prerequisite A.163/23 - - UPDATE response

Prerequisite: A.164/27 - - 420

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
~~1~~	~~Call-Info~~	~~[26] 24.9~~	~~o~~		~~[26] 24.9~~	~~o~~	
2	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
~~3~~	~~Organization~~	~~[26] 24.25~~	~~o~~		~~[26] 24.25~~	~~o~~	
4	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
~~5~~	~~Server~~	~~[26] 24.37~~	~~m~~	~~m~~	~~[26] 24.37~~	~~i~~	~~i~~
6	Supported	[26] 24.39	m	m	[26] 24.39	i	i
7	Unsupported	[26] 24.42	m	m	[26] 24.42	c3	c3
~~8~~	~~User-Agent~~	~~[26] 24.43~~	~~o~~		~~[26] 24.43~~	~~o~~	
~~9~~	~~Warning~~	~~[26] 24.45~~	~~o~~		~~[26] 24.45~~	~~o~~	
c2:	IF A.162/11 OR A.162/13 THEN m ELSE i.						
c3:	IF A.162/18 THEN m ELSE i.						

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
1	Call-Info	[26] 24.9	o		[26] 24.9	o	
2	Contact	[26] 24.10	om	m	[26] 24.10	oc1	c1
3	Error-Info	[26] 24.18	m	m	[26] 24.18	i	i
4	Organization	[26] 24.25	o		[26] 24.25	o	
5	Require	[26] 24.33	m	m	[26] 24.33	c2	c2
6	Server	[26] 24.37	m	m	[26] 24.37	i	i
7	Supported	[26] 24.39	m	m	[26] 24.39	i	i
8	User-Agent	[26] 24.43	o		[26] 24.43	o	
9	Warning	[26] 24.45	o		[26] 24.45	o	
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.						

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 **275** ⌘ **rev** **-** ⌘ Current version: **5.2.0** ⌘

*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 **X**

Title: ⌘	Consistency changes for SDP procedures at MGCF		
Source: ⌘	Lucent Technologies		
Work item code:⌘	IMS-CCR	***Date:*** ⌘	31/10/2002
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: ⌘	Representation of SDP descriptors is inconsistent with those elsewhere in 24.229. A hanging paragraph exists between 6.4 and 6.4.1 which is precluded by the style rules.
Summary of change:⌘	Addition of "=" to all descriptors. Move hanging paragraph to both 6.4.1 and 6.4.2.
Consequences if not approved: ⌘	Less readable document.

Clauses affected: ⌘	6.4, 6.4.1, 6.4.2

	Y	**N**	
Other specs affected: ⌘		**X**	Other core specifications ⌘
		X	Test specifications
		X	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.

6.4 Procedures at the MGCF

~~The usage of SDP by the MGCF is the same as its usage by the UE, as defined in the subclause 6.1 and A.3.2. When sending an SDP, the MGCF shall not include the "i", "u", "e", "p", "r", and "z" descriptors in the SDP, and it shall ignore them when received in the SDP.~~

6.4.1 Calls originating from circuit-switched networks

The usage of SDP by the MGCF is the same as its usage by the UE, as defined in the subclause 6.1 and A.3.2. When sending an SDP, the MGCF shall not include the "i=", "u=", "e=", "p=", "r=", and "z=" descriptors in the SDP, and it shall ignore them when received in the SDP.

When the MGCF generates and sends an INVITE request for a call originating in a circuit-switched network, the MGCF shall:

- populate the SDP with the codecs supported by the associated MGW (see 3GPP TS 26.235 [10] for the supported codecs).

When the MGCF receives 183 (Session Progress) response to an INVITE request, the MGCF shall:

- check that a supported codec has been indicated in the SDP.

6.4.2 Calls terminating in circuit-switched networks

The usage of SDP by the MGCF is the same as its usage by the UE, as defined in the subclause 6.1 and A.3.2. When sending an SDP, the MGCF shall not include the "i=", "u=", "e=", "p=", "r=", and "z=" descriptors in the SDP, and it shall ignore them when received in the SDP.

When the MGCF receives an initial INVITE request, the MGCF shall:

- check for a codec that matches the requested SDP, which may include DTMF support.

When the MGCF generates and sends a 183 (Session Progress) response to an initial INVITE request, the MGCF shall:

- set SDP indicating the selected codec, which may include DTMF support.

CR-Form-v7

CHANGE REQUEST

| ⌘ | **24.229** CR **276** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.2.0** | ⌘ |

*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 **X**

Title:	⌘	Proxy support of PRACK
Source:	⌘	Lucent Technologies
Work item code: ⌘		IMS-CCR	**Date:** ⌘ 02/11/02
Category:	⌘	**F**	**Release:** ⌘ Rel-5

Use one 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 one 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: ⌘	In Annex A, the proxy role specifies the support of PRACK as mandatory. This dates from the brief period when the PRACK method was incorporated in the i-d which became RFC 3261. With the separation of the 100rel material to RFC 3262, it becomes dependent on the support of the 100rel extension in RFC 3262. While support of this is mandatory in 3GPP, it is not in IETF, and both statii should be conditionals on the 100rel major capability

Summary of change: ⌘	In Table A.163, the status from the PRACK entry is changed from m to c3, where c3 is IF A.162/21 THEN m ELSE n/a - - reliability of provisional responses

Consequences if not approved: ⌘	No impact on 3GPP, but the relative status of IETF will be misleading.

Clauses affected:	⌘	A.2.2.3

Other specs affected:	⌘	Y	N		
			X	Other core specifications	⌘
			X	Test specifications	
			X	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.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	n/a
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
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 routeing	[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
	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
25	SIP extensions for caller identity and privacy?	[34]	o	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	Path Extension Header for Establishing Service Route with SIP REGISTER	[35]	o	c5
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
c1:	IF A.162/5 THEN o ELSE n/a			
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.3/2 OR A.3/3 THEN m ELSE n/a. - - P-CSCF or I-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
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	~~m~~c5	~~m~~c5	[27] 6	~~m~~c5	~~m~~c5
15	PRACK response	[27] 6	~~m~~c5	~~m~~c5	[27] 6	~~m~~c5	~~m~~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] 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.						
c2:	IF A.162/20 THEN m ELSE n/a.						
c3	IF A.162/27 THEN m ELSE n/a.						
c4	IF A.162/24 THEN m ELSE n/a - - the SIP UPDATE method.						
c5:	ÌF A.162/21 THEN m ELSE n/a - - reliability of provisional responses						

CR-Form-v7

CHANGE REQUEST

| ⌘ | **24.229** CR **277** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.2.0** | ⌘ |

*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 **X**

Title: ⌘	Clarification of transparent handling of parameters in profile	
Source: ⌘	Lucent Technologies	
Work item code:⌘	IMS-CCR	***Date:*** ⌘ 03/11/02
Category: ⌘ **F**		***Release:*** ⌘ Rel-5

Use one of the following categories:	*Use one 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	*Rel-4 (Release 4)*
be found in 3GPP TR 21.900.	*Rel-5 (Release 5)*
	Rel-6 (Release 6)

Reason for change: ⌘	It is considered desirable to make clearer the notation for transparent handling of parameters in a proxy
Summary of change:⌘	A note is added detailing the notation for transparent handling.
Consequences if not approved: ⌘	Less clear specification

Clauses affected: ⌘	A.1.1

	Y	N		
Other specs affected: ⌘		X	Other core specifications	⌘
		X	Test specifications	
		X	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.1.2   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.