3GPP TSG CN Plenary Meeting #16   NP-020232
5th - 7th June 2002. Marco Island, USA.

Source: **TSG CN WG 1**

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

Agenda item: **8.1**

Document for: APPROVAL

<u>**Introduction:**</u>

This document contains **10** CRs on **Rel-5 on** Work Item **"IMS-CCR"**, that have been agreed by **TSG CN WG1**, and are forwarded to TSG CN Plenary meeting #16 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Version Current	Version-New	Meeting-2nd-Level	Doc-2nd-Level
24.229	031	1	Rel-5	S-CSCF release of an existing session	F	5.0.0	5.1.0	N1-23	N1-020939
24.229	033	3	Rel-5	SDP procedure at the UE	C	5.0.0	5.1.0	N1-23	N1-020971
24.229	035	1	Rel-5	AS Procedures corrections	F	5.0.0	5.1.0	N1-23	N1-020934
24.229	036	8	Rel-5	Corrections to SIP Compression	C	5.0.0	5.1.0	N1-24	N1-021499
24.229	037	1	Rel-5	Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks	F	5.0.0	5.1.0	N1-23	N1-020928
24.229	041	2	Rel-5	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	F	5.0.0	5.1.0	N1-SIP0204	N1-021003
24.229	045		Rel-5	Cleanup of request / response terminology - clause 5	D	5.0.0	5.1.0	N1-23	N1-020835
24.229	046		Rel-5	Cleanup of request / response terminology - clause 6	D	5.0.0	5.1.0	N1-23	N1-020836
24.229	047	2	Rel-5	Simplification of profile tables	D	5.0.0	5.1.0	N1-SIP0204	N1-021059
24.229	049		Rel-5	Forking options	C	5.0.0	5.1.0	N1-23	N1-020839

CR-Form-v5

CHANGE REQUEST

| ⌘ | **24.229 CR 031** | ⌘ **rev 1** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘   (U)SIM ☐   ME/UE ☐   Radio Access Network ☐   Core Network **X**

Title: ⌘	S-CSCF release of an existing session.	
Source: ⌘	Lucent Technologies	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 2002-04-02
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)

Reason for change: ⌘	Upon receipt of a network internal indication to release an existing multimedia session, the S-CSCF shall release the session by utilising the locally stored Route and the Contact information. The current text does not adequately describe the procedure of S-CSCF acquiring the Contact information.
Summary of change: ⌘	The CR proposes additional text that describes how does the S-CSCF aquifer routing information for the purpose of terminating an existing session.
Consequences if not approved: ⌘	

Clauses affected: ⌘	5.4.3.1, 5.4.3.2, 5.4.5.1.2.

Other specs affected: ⌘	☐ Other core specifications ⌘	
	☐ Test specifications	
	☐ O&M Specifications	

| ***Other comments:*** ⌘ | |

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

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

5.4.3.1 Requests initiated by the served user

When the S-CSCF receives from the served user an initial request for a dialog or a request for a standalone transaction, prior to forwarding the request, the S-CSCF shall:

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

- if the outgoing Request-URI is a TEL URL, the S-CSCF shall translate the E.164 address (see RFC 2806 [16]) to a globally routable SIP URL using an ENUM/DNS translation mechanism with the format specified in RFC 2916 [18]. Databases aspects of ENUM are outside the scope of the present document. If this translation fails, the request may be forwarded to a BGCF or any other appropriate entity (e.g a MRFC to play an announcement) in the originator's home network or an appropriate SIP response shall be sent to the originator;

- check if <original-dialog-id> XML element is present in the payload of the incoming request. If present, it indicates an association with an existing dialog, the request has been sent from an Application Server in response to a previously sent request. The <od-to>, <od-from> and <od-call-id> XML element values from the <original-dialog-id> XML element may be used as additional parameters when searching for existing dialogs. Local data shall be updated to indicate that this Application Server has been contacted for the initial request. The S-CSCF shall determine the next hop using initial filter criteria and local data on status of which Application Servers have been contacted. If the next hop is another Application Server, the S-CSCF shall retain the <original-dialog-id> XML element in the message body of the request. If the next hop is not an Application Server, the S-CSCF shall leave out the <original-dialog-id> XML element from the payload of the request;

- check whether the initial request matches the initial filter criteria of the application servers assigned for the public user identity as described in 3GPP TS 23.218 [5] subclause 6.4. Depending on the result of the previous check, the S-CSCF may contact one or more application server(s) before processing the outgoing Request-URI. In case of contacting one or more application server(s) the S-CSCF shall:

  - insert the AS URL to be contacted into the Route header as the topmost entry followed by its own URL; and

  - initialise local data to track the status of contacting each application server specified in the service profile. Additionally S-CSCF shall also populate the <original-dialog-id> XML element in the message body with the original To, From and Call-ID headers received in the request. See subclause 5.4.3.3 for further information on the original dialog identifier.

- store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body;

- determine the destination address (e.g. DNS access) using the URL placed in the topmost Route header if present, otherwise based on the Request-URI; and

- in case of an initial request for a dialog the S-CSCF shall create a Record-Route header containing its own SIP URL and save the necessary Record-Route header fields and the Contact header from the request (and from its appropriate responses) in order to release the dialog when needed.

When the S-CSCF receives a response to the initial request for a dialog, it shall save the necessary Record-Route header fields and the Contact header from the response in order to release the dialog if needed.

When the S-CSCF receives from the served usera refresh request for a dialog, prior to forwarding the request the S-CSCF shall:

- remove its own URL from the topmost Route header;

- create a Record-Route header containing its own SIP URL and save the ~~necessary Record-Route header fields and the~~ Contact header from the request ~~(and frorm its appropriate responses)~~ in order to release the dialog when needed; and

- route the request based on the topmost Route header.

When the S-CSCF receives a response to the refresh request for a dialog, it shall save the ~~necessary Record-Route header fields and the~~ Contact header from the response in order to release the dialog if needed.

When the S-CSCF receives from the served user a subsequent request other than refresh request for a dialog, prior to forwarding the request the S-CSCF shall:
- remove its own URL from the topmost Route header; and

- route the request based on the topmost Route header.

5.4.3.2 Requests terminated at the served user

When the S-CSCF receives, destined for the served user, an initial request for a dialog or a request for a standalone transaction, prior to forwarding the request, the S-CSCF shall:
- remove its own URL from the topmost Route header;

- check if <original-dialog-id> XML element is present in the payload of the incoming request. If present, it indicates an association with an existing dialog, the request has been sent from an Application Server in response to a previously sent request. The <od-to>, <od-from> and <od-call-id> XML element values from the <original-dialog-id> XML element may be used as additional parameters when searching for existing dialogs. Local data shall be updated to indicate that this Application Server has been contacted for the initial request. The S-CSCF shall determine the next hop using initial filter criteria and local data on status of which Application Servers have been contacted. If the next hop is another Application Server, the S-CSCF shall retain the <original-dialog-id> XML element in the message body of the request. If the next hop is not an Application Server, the S-CSCF shall leave out the <original-dialog-id> XML element from the payload of the request;

- check whether the initial request matches the initial filter criteria of the application servers assigned for the public user identity as described in 3GPP TS 23.218 [5] subclause 6.5. Depending on the result of the previous check the S-CSCF may contact one or more application server(s) before contacting an I-CSCF/P-CSCF respectively. In case of contacting one or more application server(s) the S-CSCF shall:

  - insert the AS URL to be contacted into the Route header as the topmost entry followed by its own URL; and

  - initialise local data to track the status of contacting each application server specified in the service profile. Additionally S-CSCF shall also populate the <original-dialog-id> XML element in the message body with the original To, From and Call-ID headers received in the request. See subclause 5.4.3.3 for further information on the original dialog identifier.

- store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body;

- in case there are no Route headers in the request, then determine, from the destination public user identity, the list of preloaded routes saved during registration or re-registration, as described in subclause 5.4.1.2.1;

- determine, from the destination public user identity, the saved Contact URL where the user is reachable saved at registration or reregistration, as described in subclause 5.4.1.2.1;

- build the Request-URI and ~~Request~~ Route header field values from the preloaded routes and saved Contact URL, as described in RFC 2543bis [20];

- insert a P-Called-Party-ID SIP header field including the Request-URI received in the INVITE;

- in case of an initial request for a dialog create a Record-Route header containing ~~insert~~ its own SIP URL ~~in the Record-Route list,~~ and save the necessary Record-Route header fields and the Contact header from the request ~~(and frorm its appropriate responses)~~ in order to release the dialog when needed;

- replace the Request-URI with the contents of the user Contact URL saved by the S-CSCF at registration time; and

- forward the request based on the topmost Route header.

When the S-CSCF receives a response to the initial request for a dialog, it shall save the necessary Record-Route header fields and the Contact header from the response in order to release the dialog if needed.

When the S-CSCF receives, destined for the served user, a refresh request for a dialog, prior to forwarding the request, the S-CSCF shall:
- remove its own URL from the topmost Route header;

- create a Record-Route header containing its own SIP URL and save the ~~necessary Record-Route header fields and the~~ Contact header from the refresh request ~~(and frorm its appropriate responses)~~ in order to release the dialog when needed; and

- forward the request based on the topmost Route header.

When the S-CSCF receives a response to the refresh request for a dialog, it shall save the ~~necessary Record-Route header fields and the~~ Contact header from the response in order to release the dialog if needed.

When the S-CSCF receives, destined for the served user, a subsequent request other than refresh request for a dialog, prior to forwarding the request, the S-CSCF shall:
- remove its own URL from the topmost Route header; and

- forward the request based on the topmost Route header.

5.4.5.1.2 Release of an existing session

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CHANGE REQUEST

| ⌘ | **24.229** CR | **033** | ⌘ **rev** | **3** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘   (U)SIM ☐   ME/UE **X**   Radio Access Network ☐   Core Network ☐

Title:	⌘	SDP procedure at the UE
Source:	⌘	Lucent Technologies
Work item code: ⌘	IMS-CCR	**Date:** ⌘ 2002-04-02

Category: ⌘ **C**	**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)

Reason for change:	⌘	To enable the P-CSCF and S-CSCF to monitor the media negotiation, the SDP should not be end-to-end encrypted. ~~In addition, the latest version of the draft-ietf-sip-manyfolks-resource-05.txt utilises the offer/answer media negotiation mechanism, and employs the UPDATE method. This CR provides the text to reflect these changes.~~
Summary of change: ⌘		Change of the existing text in Clause 6.1 that describes the media negotiation procedure.
Consequences if not approved:	⌘	

Clauses affected:	⌘	6.1
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

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6.1 Procedures at the UE

Usage of SDP by the UE:

1. In order to authorize the media streams, the P-CSCF and S-CSCF ~~shall~~have to be able to inspect and possibly modify the SDP payloads. Hence, the UE shall not encrypt the SDP payloads. ~~shall not be encrypted end-to-end.~~

~~1~~2. An INVITE request generated by a UE may contain SDP payload. In case preconditions will be used for session setup then SDP payload shall be present. The SDP payload shall reflect the UE#1's terminal capabilities and user preferences for the session.

Editor's Note: The requirements for SDP payload in the case of Optimised Voice Mode are FFS.

~~2~~3. The first 183 provisional response sent out shall contain SDP information. The SDP payload shall reflect UE#2's terminal capabilities and user preferences.

Editor's Note: The case/action_needed when a UE generates a 183 response without SDP payload is FFS.

~~3~~4. When UE sends out an 183 with SDP payload, it shall indicate the support for preconditions and in addition request confirmation for the result of the resource reservation at the originating end point.

~~4~~5. UE shall include SDP in the PRACK request for acknowledging the 183 Session Progress response if the codec negotiation during the INVITE request and 183 Session Progress response resulted in more than one codec per media line. It is recommended not to include any SDP payload if the SDP payload in the 183 Session Progress response contains only one codec information for each media line.

~~5~~6. After the initial SDP has been sent the subsequent SDPs sent by the UE shall only contain a subset of the media descriptions of the initial SDP. In order to modify the media descriptors a reINVITE shall be used.

~~6~~7. If Resource Reservation has been finished before sending the 200 OK for INVITE, then it shall contain the SDP payload that reflects the reserved resources on the radio interface.

~~7~~8. During session establishment procedure, SIP messages shall only contain SDP payload if that is intended to modify the session description.

~~8~~9. For "video" and "audio" media types that utilize the RTP/RTCP, the UE shall specify the proposed bandwidth for each media stream utilizing the "b=" media descriptor in the SDP. For other media streams the "b=" media descriptor may be included. The value or absence of the "b=" parameter will affect the assigned QoS which is defined in 3GPP TS 29.208 [11].

~~9~~10. The UE shall include the DTMF media format at the end of the "m=" media descriptor in the SDP for audio media flows that support both audio codec and DTMF payloads in RTP packets as described in RFC 2833 [17].

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CHANGE REQUEST

| ⌘ | **24.229** CR **035** | ⌘ **rev** | **1** | ⌘ | Current version: | **5.0.0** | ⌘ |

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Proposed change affects: ⌘   (U)SIM ☐   ME/UE ☐   Radio Access Network ☐   Core Network **X**

Title: ⌘	AS Procedures corrections	
Source: ⌘	Nokia	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 10-04-2002
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
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2   *(GSM Phase 2)*
R96   *(Release 1996)*
R97   *(Release 1997)*
R98   *(Release 1998)*
R99   *(Release 1999)*
REL-4 *(Release 4)*
REL-5 *(Release 5)*

Reason for change: ⌘	Clarification of AS's UA/B2BUA behaviour
Summary of change: ⌘	Handling of Route header at AS in different B2BUA modes are clarified
Consequences if not approved: ⌘	Inconsistent AS behaviour in B2BUA mode

Clauses affected: ⌘	5.7
Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments: ⌘	

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5.7.1 Common Application Server (AS) Procedures

5.7.1.1 Notification about registration status

The AS may support the REGISTER method in order to discover the registration status of the user. If a REGISTER request arrives containing information about the user's registration status and the AS supports the REGISTER method, the AS shall store the Expires parameter from the request and generate a 200 OK or an appropriate failure response. For the success case, the 200 OK response shall contain Expires value equal to the value received in the REGISTER request.

5.7.1.2 Extracting charging correlation information

When an AS receives an initial request for a dialog or a request for a standalone transaction, the AS shall store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body.

5.7.2 Application Server (AS) acting as terminating UA, or redirect server

Editors Note: When acting as a terminating UA the AS shall behave as defined for a UE in 5.1.4.

The S-CSCF may forward received initial requests to the application server based on initial filter criteria being met. If the S-CSCF includes an <original-dialog-id> XML element in these requests, the AS shall include this <original-dialog-id> XML element in any responses and/or subsequent requests sent on this dialog.

An Application Server acting as redirect server shall propagate any received 3GPP message body in the redirected message.

5.7.3 Application Server (AS) acting as originating UA

Editors Note: When acting as an originating UA the AS shall behave as defined for a UE in 5.1.3.

When an AS acting as 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> XML element and insert it into the message body (see subclause 7.6).

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 an <original-dialog-id> XML element in these requests, the AS shall include this <original-dialog-id> XML element 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 receives an initial INVITE request, it will contain the AS's SIP URL in the Request-URI. Before generating a new INVITE back to the S-CSCF, the AS:~~

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~~s~~ the Application Server specific functions. See 3GPP TS 23.218 [5]; ~~and~~

- ~~—~~ 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 <original-dialog-id> XML element in the message body of the initial INVITE request and populate the same <original-dialog-id> XML element in the message body of 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 section 5.7.3 for both requests. The AS shall either set the <icid> XML element to be the same as received or different.

5.7.5.2.2   Subsequent requests

   Editor's Note: subsequent requests can be handled in a generic way. Is there anything needed here?

5.7.5.3   Call release

5.7.5.4   Call-related requests

   Editor's Note: call-related requests can be handled in a generic way. Is there anything needed here?

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

   Editor's Note: call-related requests can be handled in a generic way. Is there anything needed here?

CR-Form-v5

CHANGE REQUEST

⌘	**24.229** CR **036**	⌘**rev** **87** ⌘	Current version:	**5.0.0** ⌘

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Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network ☐ Core Network **X**

Title: ⌘	Corrections to SIP Compression	
Source: ⌘	Nokia	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 18-04-2003

Category: ⌘	**C**	***Release:*** ⌘	REL-5

Use <u>one</u> of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
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2 (GSM Phase 2)
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R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change: ⌘	The current text on SIP compression in 24.229 is incorrect as a result of agreements by SA2 in 23.221. Also the referenced IETF draft is obsolete. IETF has specified SIP signalling compression procedures in a new IETF draft draft-ietf-rohc-sigcomp-05 and dictionary. Also, as negotiation of the compression algorithm is not needed with SigComp, the first SIP message may already be compressed.
Summary of change: ⌘	Add a requirement that state creations and announcements shall be allowed for messages received in a SA.
Consequences if not approved: ⌘	A malicious user may upload states which would lead to compression failures.

Clauses affected: ⌘	8.1.1, 8.2.1

Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ 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.

*** Modified Text ***

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document.*

[1]   3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2]   3GPP TS 23.002: "Network architecture".

[3]   3GPP TS 23.003: "Numbering, addressing and identification".

[4]   3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".

[5]   3GPP TS 23.218: "IP Multimedia (IM) Session Handling; IM call model".

[6]   3GPP TS 23.221: "Architectural requirements".

[7]   3GPP TS 23.228: "IP multimedia subsystem; Stage 2".

[8]   3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core Network protocols; Stage 3".

[9]   3GPP TS 25.304: "UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode".

[10]   3GPP TS 26.235: "Packet switched conversational multimedia applications; Default codecs".

[11]   3GPP TS 29.208: "End to end Quality of Service (QoS) signalling flows".

[12]   3GPP TS 29.228: "IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents".

[13]   3GPP TS 33.102: "3G Security; Security architecture".

[14]   3GPP TS 33.203: "Access security for IP based services".

[15]   3GPP TS 44.018: "Mobile radio interface layer 3 specification, Radio Resource Control Protocol".

[16]   RFC 2806: "URLs for Telephone Calls".

[17]   RFC 2833 (May 2000): "RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals".

[18]   RFC 2916: "E.164 number and DNS".

[19]   RFC 2976 (October 2000): "The SIP INFO method".

[20]   draft-ietf-sip-rfc2543bis-07 (January 2002): "SIP: Session Initiation Protocol".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[21]   draft-ietf-sip-100rel-05 (February 2002): "Reliability of provisional responses in SIP".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[22]	draft-sip-manyfolks- resource-03 (November 2001): "Integration of resource management and SIP".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[23]	draft-ietf-sip-events-02.txt (February 2002): "SIP-Specific Event Notification".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[24]	draft-ietf-sip-callerprefs-05 (November 2001): "SIP caller preferences and callee capabilities".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[25]	draft-ietf-sip-refer-02 (October 2001): "The REFER method".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[26]	draft-ietf-sip-session-timer-08 (October 2001): "The SIP session timer".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[27]	draft- sip-privacy-03 (November 2001): "SIP extensions for caller identity and privacy".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[28]	draft- sip-state-02 (August 2001): "SIP extensions for supporting distributed call state".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[29]	draft- sip-call-auth-03 (November 2001): "SIP extensions for media authorization".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[30]	draft-ietf-mmusic-sdp-new-04 (November 2001): "SDP: Session Description Protocol".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[31]	draft-ietf-rohc-sigcomp-05.txt, (March 2002): "Signaling Compression (SigComp)"

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[32]	draft-ietf-sipping (dictionary)

[32]	draft-ietf-sipping-sigcomp-sip-dictionary-00.txt, (May 2002): The SIP/SDP static dictionary for Signaling Compression.

Editor's note: A draft has not yet been published on this subject. It is clearly identified as work in the SIPPING working group. The above document cannot be formally referenced until it is published as an RFC.

*** Next Modified Text ***

# 8	SIP compression

## 8.1	SIP compression procedures at the UE

### 8.1.1	SIP compression algorithm negotiation

Editors Note: The point at which SIP compression algorithm negotiation takes place after gaining IP connectivity and the mechanisms for delivering the list of UE supported SIP compression algorithms and for informing the UE of the selected algorithm are FFS.

The UE shall send to the P-CSCF the request to perform SIP compression and the possible attributes related to the SIP compression, which is requested. If SIP compression is enabled at the P-CSCF then the P-CSCF shall inform the UE that SIP compression is to apply, and the attributes of the SIP compression to be applied. If SIP compression cannot be applied at the P-CSCF then the P-CSCF shall inform the UE that compression shall not be used.. At a minimum theThe UE shall support SigComp the SIP compression attributes as specified in draft-ietf-rohc-sigcomp-05.txt [31]to RFC XXXX].]. The compartment shall start when a SigComp message is received within a security association and shall finish when the UE is no longer registered. State creations and announcements shall be allowed only for messages received in a security association.

The UE shall support the SIP dictionary specified in draft-ietf-sipping-sigcomp-dictionary-00.txt (dictionary) [32]. If compression is enabled, the UE shall use the dictionary to compress the first message.

Editors Note: The current IETF working assumption for SIP compression RFC is draft-rosenburg-rohc-sip-udpcomp-00.txt

8.1.2 Compression of SIP requests and responses transmitted to the P-CSCF

If SIP compression is enabled at the P-CSCF then the The UE shall should compress the SIP and SDP information requests and responses transmitted to the P-CSCF according to the SIP compression attributes selected by the procedure in clause 8.1.1.

NOTE: Compression of SIP messages is an implementation option. However, compression is strongly recommended.

8.1.3 Decompression of SIP requests and responses received from the P-CSCF

If SIP compression is enabled at the P-CSCF then the The UE shall decompress the compressed SIP and SDP information sent in requests and responses received from the P-CSCF according to the SIP compression attributes selected by the procedure in clause 8.1.1.

8.2 SIP compression procedures at the P-CSCF

8.2.1 SIP compression algorithm negotiation

Editors Note: The point at which SIP compression algorithm negotiation takes place after gaining IP connectivity and the mechanisms for delivering the list of UE supported SIP compression algorithms and for informing the UE of the selected algorithm are FFS.

When the P-CSCF receives the request to perform SIP compression and the compression attributes to apply, it shall evaluate whether the SIP compression can be applied. If the SIP compression can be applied, the P-CSCF shall inform the UE that SIP compression shall be applied, and it shall inform the UE of the SIP compression attributes to apply. If SIP compression cannot be applied, then the P-CSCF shall inform the UE that SIP compression shall not be applied. If SIP compression is supported, theThe P-CSCF shall support SigComp the default SIP compression attributes as specified in draft-ietf-rohc-sigcomp-05.txt [31].[ref to RFC XXXX].]. The compartment shall start when a SigComp message is received within a security association and shall finish when the UE is no longer registered. State creations and announcements shall be allowed only for messages received in a security association.

The P-CSCF shall support the SIP dictionary specified in draft-ietf-sipping-sigcomp-dictionary-00.txt (dictionary) [32]. If compression is enabled, the P-CSCF shall use the dictionary to compress the first message.

Editors Note: The current IETF working assumption for SIP compression RFC isdraft-rosenburg-rohc-sip-udpcomp-00.txt

8.2.2 Compression of SIP requests and responses transmitted to the UE

If SIP compression is to be applied for the SIP communication between the UE and the P-CSCF, theThe P-CSCF shall should compress the SIP and SDP requests and responses transmitted to the UE according to the SIP compression attributes selected for that particular UE by the procedure in clause 87.2.1.

NOTE: Compression of SIP messages is an implementation option. However, compression is strongly recommended.

8.2.3 Decompression of SIP requests and responses received from the UE

If SIP compression is to be applied for the SIP communication between the UE and the P-CSCF, theThe P-CSCF shall decompress the compressed SIP and SDP requests and responses received from the UE information according to the SIP compression attributes selected for that particular UE by the procedure in clause 8.2.1.

CR-Form-v5

CHANGE REQUEST

| ⌘ | **24.229** CR **037** | ⌘ **rev** **1** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network ☐ Core Network **X**

Title: ⌘	Enhancement of S-CSCF and I-CSCF Routeing Procedures for interworking with external networks	
Source: ⌘	dynamicsoft	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 10.04.2002
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)

Reason for change: ⌘	The current 24.229 routeing procedures are only a subset of those specified in RFC 3261 and are only guaranteed to be valid for loose routeing between Proxies within the IM CN subsystem and will not work for external networks containing strict routing proxies compliant to RFC 2543 or RFC 2543Bis 05 or earlier. The current text contains an Editor's note that "The text on routeing needs to be enhanced to ensure interworking with RFC 2543 and RFC 2543bis networks.." indicating that enhancement is needed to ensure interworking with external SIP networks, (including interoperator transit networks).
Summary of change: ⌘	RFC 3261 routing procedures for interworking with strict routers are specified for the I-CSCF and S-CSCF for the cases when the I-CSCF and S-CSCF are not interworking with domains that they can determine use loose routing.
Consequences if not approved: ⌘	Interworking with external networks that utilise strict routing will not be possible.

Clauses affected: ⌘	4.3, 5.3, 5.4
Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments: ⌘	

FIRST MODIFICATION

4.3 Routeing principles of IM CN subsystem entities

Each IM CN subsytem functional entity shall apply loose routeing policy as described in RFC ~~2543bis~~ 3261 [20] ~~with the following restrictions,~~ when processing a SIP request. In cases where the I-CSCF or the S-CSCFmay interact with strict routers in non IM CN subsystem networks, the routing procedures defined in RFC 3261 [20] that ensure interoperability with strict routers shall be used by the I-CSCF and S-CSCF.

NEXT MODIFICATION

5.3 Procedures at the I-CSCF

5.3.1 Registration procedure

~~Editor's note: The text on routeing needs to be enhanced to ensure interworking with RFC 2543 and RFC 2543bis networks.~~

NEXT MODIFICATION

5.4 Procedures at the S-CSCF

~~Editor's note: The text on routeing needs to be enhanced to ensure interworking with RFC 2543 and RFC 2543bis networks~~.

was N1-020825

was N1-020915

CR-Form-v5

CHANGE REQUEST

| ⌘ | **24.229** CR **041** | ⌘**rev** **2** ⌘ | Current version: | **5.0.0** ⌘ |

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network ☐ Core Network **X**

Title: ⌘	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	
Source: ⌘	Lucent Technologies (was Nokia)	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 18/04/2002
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)

Reason for change: ⌘	Currently in CN1 specification TS24.229 is missing a description how IMS AKA session keys are delivered from the S-CSCF to the P-CSCF.
Summary of change: ⌘	It is proposed to define a new 3GPP proprietary extension to the WWW-Authenticate header. This header is used in 401 Unauthorized response to the REGISTER originated by the UE. The S-CSCF shall insert this parameter to the 401 Unauthorized response during the registration procedure. The proposed parameter is capable of carrying integrity and optional confidentiality key. The P-CSCF shall remove this parameter containing IMS AKA session keys.
Consequences if not approved: ⌘	IMS AKA session keys delivery from S-CSCF to P-CSCF remains missing from the specification.

Clauses affected: ⌘	5.4.1.2.1,7.2.3
Other specs Affected: ⌘	☐ Other core specifications ⌘ Linked 24.228 CR N1-020826 ☐ Test specifications ☐ O&M Specifications
Other comments: ⌘	Revision 2 of this CR created to correct clause numbering, and to convert the text of the operation subclause to descriptive requirements (the normative requirements for the operation are to be found in clause 5). A number of minor editorial changes are also made.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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.

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FIRST PROPOSED CHANGE:

2   References

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- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1]   3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2]   3GPP TS 23.002: "Network architecture".

[3]   3GPP TS 23.003: "Numbering, addressing and identification".

[4]   3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".

[5]   3GPP TS 23.218: "IP Multimedia (IM) Session Handling; IM call model".

[6]   3GPP TS 23.221: "Architectural requirements".

[7]   3GPP TS 23.228: "IP multimedia subsystem; Stage 2".

[8]   3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core Network protocols; Stage 3".

[9]   3GPP TS 25.304: "UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode".

[10]   3GPP TS 26.235: "Packet switched conversational multimedia applications; Default codecs".

[11]   3GPP TS 29.208: "End to end Quality of Service (QoS) signalling flows".

[12]   3GPP TS 29.228: "IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents".

[13]   3GPP TS 33.102: "3G Security; Security architecture".

[14]   3GPP TS 33.203: "Access security for IP based services".

[15]   3GPP TS 44.018: "Mobile radio interface layer 3 specification, Radio Resource Control Protocol".

[15A]   RFC 2617: "HTTP Authentication: Basic and Digest Access Authentication".

[16]   RFC 2806: "URLs for Telephone Calls".

[17]   RFC 2833 (May 2000): "RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals".

[18]   RFC 2916: "E.164 number and DNS".

[19]   RFC 2976 (October 2000): "The SIP INFO method".

[20]   draft-ietf-sip-rfc2543bis-07 (January 2002): "SIP: Session Initiation Protocol".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[21]   draft-ietf-sip-100rel-05 (February 2002): "Reliability of provisional responses in SIP".

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[22]   draft-sip-manyfolks- resource-03 (November 2001): "Integration of resource management and SIP".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[23]   draft-ietf-sip-events-02.txt (February 2002): "SIP-Specific Event Notification".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[24]   draft-ietf-sip-callerprefs-05 (November 2001): "SIP caller preferences and callee capabilities".

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[28]   draft- sip-state-02 (August 2001): "SIP extensions for supporting distributed call state".

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[29]   draft- sip-call-auth-03 (November 2001): "SIP extensions for media authorization".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

[30]   draft-ietf-mmusic-sdp-new-04 (November 2001): "SDP: Session Description Protocol".

Editor's note: The above document cannot be formally referenced until it is published as an RFC.

SECOND PROPOSED CHANGE:

7.2   SIP headers defined within the present document

7.2.1   Path header

7.2.1.1   Introduction

Path header is a mechanism whereby a P-CSCF, I-CSCFs, and S-CSCF can request to be on a signalling path for the initial INVITE exchanged between the UE and the S-CSCF. The path-establishment procedure is originated by the P-CSCF during the registration process. The procedure is performed during the initial registration of each public user identity and all subsequent reregistrations. The list of Path headers obtained by a reregistration overwrites the existing list of Path headers at the S-CSCF. Each reregistration of the same public user identity may result in new list of Path headers. The P-CSCF uses the list of Path headers to construct a list of Route headers. When initiating a call pertaining to a given public user identity, the list of Route headers will be pre-loaded into the initial INVITE request.. If a CSCF wants to receive subsequent requests, it will insert its own name to the Record Route header of the initial INVITE request. Once on the route, a CSCF remains on the route for the duration of the call. The path learned while reregistering during an active call does not affect the existing call, since the routeing path for the respective call has already been established. The list of Path headers is not forwarded to the UE.

7.2.1.2   Syntax

The Path header field has the syntax described in table 7.1.

Table 7.1: Syntax of path header

```
Path = "Path"":"1#(name-addr *(";"rr-param))

rr-param = generic-param
```

7.2.1.3   Operation

The operation of this header is described in clause 5.

7.2.2   P-Called-Party-ID header

7.2.2.1   Introduction

The P-Called-Party-ID header is the mechanism whereby the terminating UE learns the dialled public user identity that triggered the current session initiation.

The S-CSCF inserts the header in all terminating INVITE and reINVITE requests. The header is not used in any other request or response.

7.2.2.2   Syntax

The P-Called-Party-ID header field has the syntax described in table 7.2.

Table 7.2: Syntax of P-Called-Party-ID header

```
P-Called-Party-ID = "P-Called-Party-ID" HCOLON 1#
                   (name-addr *( SEMI p-cdpid-param))

p-cdpid-param = generic-param
```

Table 7.3 is an extension of tables 2 and 3 in RFC 2543bis [20] and table in subclause 7.5 in the SIP-specific event notification [23].

Table 7.3: P-Called-Party-ID header

```
Header field              where      proxy ACK BYE CAN INV OPT REG PRA SUB NOT
_____
P-Called-Party-ID          R          am    -   -   -   o   -   -   -   -   -
```

7.2.2.3   Operation

The operation of this header is described in subclause 5.4.3.2.

7.2A.1   Extensions to SIP headers defined within the present document

7.2A.1.1   Extension to WWW-authenticate header

7.2A.1.1.1   Introduction

This extension defines a new authentication parameter (auth-param) for the WWW-Authenticate header used in a 401 (Unauthorized) response to the REGISTER request. -For more information, see RFC2617 [15A] subclause 3.2.1.

7.2A.1.1.2　　　Syntax

The syntax for for auth-param is specified in table 7.4.

Table 7.4: Syntax of auth-param

```
auth-param      = 1#( integrity-key / cipher-key )
integrity-key   = "ik" EQUAL ik-value
cipher-key      = "ck" EQUAL ck-value
ik-value        = LDQUOT *(HEXDIG) RDQUOT
ck-value        = LDQUOT *(HEXDIG) RDQUOT
```

7.2A.1.1.3　　　Operation

This authentication parameter will be used in a 401 (Unauthorized) response in the WWW-authenticate header during UE authentication procedure as specified in subclause 5.4.1.

The S-CSCF ~~shall~~ appends the integrity-key parameter (directive) to the WWW.-Authenticate header in a 401 (Unauthorized) response. The P-CSCF stores the integrity-key value and ~~shall~~ removes the integrity-key parameter from the header prior to forwarding the response to the UE.

The S-CSCF ~~shall~~ appends the cipher-key parameter (directive) to the WWW-Authenticate header in a 401 <(Unauthorized) response. The P-CSCF ~~shall~~ removes the cipher-key parameter from the header prior to forwarding the response to the UE. In the case ciphering is used, the P-CSCF ~~shall~~ stores the cipher-key value~~.~~,

~~Extension to WWW-authenticate header~~

~~7.2.3.1　　　Introduction~~

~~This extension defines a new authentication parameter (auth-param) for WWW-Authenticate header used in 401 Unauthorized response message to the REGISTER reques. For more information, see RFC2617 clause 3.2.1 The WWW-Authenticate Response Header.~~

~~Syntax~~

~~The syntax for for auth-param is specified in table 7.4.~~

~~**Table 7.4: Syntax of auth-param**~~

```
auth-param      = 1#( integrity-key / [ cipher-key] )
integrity-key   = "ik" EQUAL key-value
cipher-key      = "ck" EQUAL key-value
key-value       = LDQUOT *(HEXDIG) RDQUOT
```

~~7.2.3.3　　　Operation~~

~~This authentication parameter will be used in 401 Unauthorized message in WWW-authenticate header during UE authentication procedure as specified in clause 5.4.1~~

CR-Form-v5

CHANGE REQUEST

| ⌘ | **24.229** CR **045** | ⌘**rev** | **-** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘　　(U)SIM ☐　　ME/UE ☐　Radio Access Network ☐　Core Network ☐

Title:	⌘	Cleanup of request / response terminology - clause 5
Source:	⌘	Lucent Technologies
Work item code: ⌘		IMS-CCR　　　　　　　　　　　　　　***Date:*** ⌘ 28/03/02

Category: ⌘ **D**　　　　　　　　　　　　　　　　　　***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)*

Reason for change:	⌘	Alignment of usage within document and with RFC 3261.
Summary of change: ⌘		Use of terms request and response where appropriate. Inclusion of the status code name where missing. Placing status code name in parentheses,
Consequences if not approved:	⌘	None.

Clauses affected:	⌘	5.1.1.2, 5.1.1.3, 5.1.1.4, 5.1.1.5.1, 5.1.1.5.2, 5.1.1.7, 5.1.2.1, 5.1.4.1, 5.1.8, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5.1, 5.2.5.2, 5.2.7.2, 5.2.7.3, 5.2.8.1.2, 5.2.8.1.3, 5.2.9.2, 5.2.11, 5.3.1.3, 5.3.2.2, 5.4.1.1, 5.4.1.2.1, 5.4.1.2.2, 5.4.1.4, 5.4.1.6, 5.4.1.7, 5.4.2.1.2, 5.4.4.2.2, 5.4.5.1.2, 5.4.6.1.3, 5.5.3.1.2, 5.5.3.2.1, 5.5.5.1.2, 5.5.6, 5.7.1.1, 5.8.2.1.1.1, 5.8.2.1.1.2, 5.8.2.1.1.3, 5.8.2.2.2, 5.8.4.1.1.1, 5.8.5

Other specs affected:	⌘	☐ Other core specifications	⌘	
		☐ Test specifications		
		☐ O&M Specifications		

Other comments:	⌘	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

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

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

5　Application usage of SIP

5.1　Procedures at the UE

5.1.1　Registration and authentication

5.1.1.1　General

The UE shall register public user identities (see table A.3/1 and dependencies on that major capability).

In case a UE registers several public user identities at different points in time, the procedures to re-register, deregister and subscribe to the registration-state event package for these public user identities can remain uncoordinated in time.

5.1.1.2　Initial registration

The UE can register a public user identity at any time that a valid PDP context exists.

A REGISTER request may be integrity protected using IK, see 3GPP TS 33.203 [14], received in an earlier registration.

The public user identity to be registered can be extracted either from the USIM or may be input from the end user. 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 registered;

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

d)　the Expires header, or the expires parameter within the Contact header, shall contain 600 000 seconds as the value desired for the duration of the registration.

NOTE:　The registrar (S-CSCF) might decrease the duration of the registration in accordance with network policy. Registration attempts with a registration period of less than a predefined minimum value defined in the registrar will be rejected with a 423 (Interval Too Brief) response.

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

On receiving the 200 (OK) response to the REGISTER request, the UE shall store the expiration time of the registration.

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 (Registration Interval too Too briefBrief) 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.

5.1.1.3　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 registration-state event package for the public user identity registered as described in subclause 5.1.1.2 at the users registrar (S-CSCF). 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 that was previously registered;

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

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

- an Event header set to the "registration-state" event package;

- an Expires header set to a value higher than the Expires header of the before sent REGISTER request.

Afterwards it shall send out the so generated SUBSCRIBE request.

Upon receipt of a 2xx response to the SUBSCRIBE ~~message~~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 registration-state 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 ~~message~~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 may be integrity protected using IK, see 3GPP TS 33.203 [14], received in an earlier registration.

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 registered;

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

d) the Expires header, or the expires parameter within the Contact header, should contain the same expiration timer as the expiration timer returned in the 200 (OK) response to the initial REGISTER request.

NOTE: The registrar (S-CSCF) might decrease the duration of the registration in accordance with network policy. Registration attempts with a registration period of less than a predefined minimum value defined in the registrar will be rejected with a 423 (Interval Too Brief) response.

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.

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 (~~Registration~~ 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.

5.1.1.5 Authentication

5.1.1.5.1 General

Authentication is achieved via the registration and re-registration procedures. When the network requires authentication or re-authentication of the UE, the UE will receive a 401 (Unauthorized) response to the REGISTER request.

On receiving a 401 (Unauthorized) response to the REGISTER request, the UE shall:

- check the validity of a received authentication challenge, as described in 3GPP TS 33.102 [13] i.e. the locally calculated MAC must match the MAC parameter derived from the AUTN part of the challenge; and the SQN parameter derived from the AUTN part of the challenge must be within the correct range.

In the case that the 401 (Unauthorized) response to the REGISTER request is deemed to be valid the UE shall:

- extract the RAND and AUTN parameters, and use the derived keys (CK and IK) to protect future messages, see 3GPP TS 33.203 [14]; and

- send another REGISTER request using the derived IK to integrity protect the message. The header fields are populated as defined for the initial request, with the addition that the UE shall include an Authorization header containing the private user identity and the authentication challenge response (RES parameter).

In the case that the 401 (Unauthorized) response is deemed to be invalid then the UE shall behave as defined in subclause 5.1.1.5.3.

5.1.1.5.2   Network-initiated re-authentication

Upon receipt of a NOTIFY ~~message~~ request on the dialog which was generated during subscription to the registration-state event package, which contains the registration state value "re-authenticate" for a public user identity, the UE shall start the re-authentication procedures by initiating a reregistration as described in subclause 5.1.1.4.

5.1.1.5.3   Abnormal cases

If, in a 401 (Unauthorized) response, either the MAC or SQN is incorrect the UE shall respond with a further REGISTER indicating to the S-CSCF that the challenge has been deemed invalid as follows:

- in the case where the UE deems the MAC parameter to be invalid the subsequent REGISTER request shall contain no response parameter (e.g. no RES or AUTS);

- in the case where the UE deems the SQN to be out of range, the subsequent REGISTER request shall contain the AUTS parameter (see 3GPP TS 33.102 [13]).

A UE shall only respond to two consecutive invalid challenges. The UE may attempt to register with the network again after an implementation specific time.

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.

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

5.1.1.7   Network-initiated deregistration

Upon receipt of a NOTIFY ~~message~~ request on the dialog which was generated during subscription to the registration-state event package as described in subclause 5.1.2.1, which contains the registration state value "closed", 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.

Editor's Note: The actions to be taken by the UE if all public user identities of one user have been deregistered are for further study, e.g. releasing signalling PDP context, information to the user, etc.

## 5.1.2		Subscription and notification

### 5.1.2.1		Notification about multiple registered public user identities

Upon receipt of a 2xx response to the SUBSCRIBE request the UE shall maintain the generated dialog (identified by the values of the Call-ID, To and From headers).

Upon receipt of a NOTIFY ~~message~~ request on the dialog which was generated during subscription to the registration-state event package the UE shall perform the following actions:

-	if a registration state value "open", i.e. registered is received for one or more public user identities, the UE shall store the indicated public user identities as registered;

-	if a registration state value "closed", i.e. deregistered is received for one or more public user identities, the UE shall store the indicated public user identities as deregistered.

NOTE:	There may be public user identities which are automatically registered within the registrar (S-CSCF) of the user upon registration of one public user identity. Usually these automatically or implicitly registered public user identities belong to the same service profile of the user and they might not be available within the UE, i.e. the UE does not know that they have been registered. The here-described procedures provide a mechanism to inform the UE about these automatically registered public user identities.

### 5.1.2.2		General SUBSCRIBE requirements

If the UA receives a 503 (Service Unavailable) response to an initial SUBSCRIBE request containing a Retry-After header, then the UE shall not automatically reattempt the request until after the period indicated by the Retry-After header contents.

Editor's Note: 5.1.2.3 is reserved for subscription and notification to future events

## 5.1.3		Call initiation - mobile originating case

Editor's Note: A more detailed description of the INVITE responses (183, 180, 200...) might be needed here.

### 5.1.3.1		Initial INVITE

3GPP terminals shall indicate the support for reliable provisional responses and specify it using the Supported header mechanism.

### 5.1.3.2		PRACK

Void.

### 5.1.3.3		COMET

Void.

### 5.1.3.4		ReINVITE

Void.

## 5.1.4		Call initiation - mobile terminating case

Editor's Note: A more detailed description of the INVITE responses (183, 180, 200...) might be needed here.

5.1.4.1 Initial INVITE

If the UA receives a 503 (Service Unavailable) response to an initial INVITE request containing a Retry-After header, then the UE shall not automatically reattempt the request until after the period indicated by the Retry-After header contents.

5.1.4.2 PRACK

Void.

5.1.4.3 COMET

Void.

5.1.4.4 ReINVITE

Void.

5.1.5 Call release

Void.

5.1.5.1 MO call release

Void.

5.1.5.2 MT call release

Void.

5.1.6 Call-related information

Void.

5.1.6.1 REFER

Void.

5.1.6.2 INFO

Void.

5.1.7 Call-independent information

Void.

5.1.7.1 OPTIONS

Void.

5.1.8 Emergency service

A UE shall not attempt to establish an emergency session via the IM CN Subsystem when the UE can detect that the number dialled is an emergency number. The UE shall use the CS domain as described in 3GPP TS 24.008 [8].

In the event the UE receives a 380 (Alternative Service) response to an INVITE request the response containing a XML body that includes an <alternative service> element with the <type> child element set to "emergency", the UE shall automatically:

- send an ACK request to the P-CSCF as per normal SIP procedures;

- attempt an emergency call setup according to the procedures described in 3GPP TS 24.008 [8].

The UE may also provide an indication to the user based on the text string contained in the <reason> element.

As a consequence of this, a UE operating in MS operation mode C cannot perform emergency calls.

5.2 Procedures at the P-CSCF

5.2.1 General

The P-CSCF shall support use of the Path header.

NOTE: The Path header is only applicable to the REGISTER request and its 200 (OK) response.

5.2.2 Registration

When the P-CSCF receives a REGISTER request from the UE that pertains to a given public user identity, the P-CSCF shall:

- insert a Path header in the request. The P-CSCF shall include in the Path header an entry containing the SIP URL identifying the P-CSCF;

- insert a Require header and a Proxy-Require header both containing the option tag "path";

- if the REGISTER request was received with a valid integrity check, add information to the REGISTER request to indicate that the REGISTER request was received with a valid integrity check; and

Editor's Note : The exact mechanism for this is FFS.

- determine the I-CSCF of the home network and forward the request to that I-CSCF.

When the P-CSCF receives a 200 (OK) response to a REGISTER request, the P-CSCF shall check the value of the Expires header field and/or Expires parameter in the Contact header. When the value of the Expires header field and/or expires parameter in the Contact header is different than zero, then the P-CSCF shall:

1) remove its SIP URL from the list of Path headers, reverses the order of the list and save the resulting list of Path headers. This list shall be stored during the entire registration period of the respective public user identity. This list shall be used to preload the routeing information into the initial requests originated by the UE. If this registration is a reregistration, the P-CSCF shall replace the already existing Path headers with the new list;

2) associate the Path header information with the registered public user identity;

3) remove the list of Path headers and "path" option-tags from the 200 (OK) response before forwarding the response to the UE.

When the P-CSCF receives a 401 (Unauthorized) response to a REGISTER request, the P-CSCF shall remove and store the CK and IK values contained in the 401 (Unauthorized) response. The 401 (Unauthorized) response shall be forwarded to the UE if and only if the CK and IK have been removed.

Editor's Note: The P-CSCF behaviour when 3xx or 4xx responses other than 401 Unauthorized are received is FFS.

Editor's Note: The text above assumes that public user identities are registered one by one. Public user identity might need to be changed to Service Profile in the case when public user identities can be implicitly registered.

NOTE: The P-CSCF will maintain two Route lists. The first Route list - created during the registration procedure - is used only to pre-load the routeing information into the initial INVITE request that originated at the UE. This list is valid during the entire registration of the respective public user identity. The second Route list - constructed from the Record Route headers in the initial INVITE and associated response - is used during the duration of the call. Once the call is terminated, the second Route list is discarded.

When the P-CSCF receives a 420 (Bad Extension) response to the above REGISTER request, the P-CSCF shall check the value of the Unsupported header field. When the value of the Unsupported header field is path, the P-CSCF shall take OA&M actions to indicate an error, in addition to passing on the 420 (Bad Extension) response to the UE. In all other cases, the P-CSCF shall proxy the 420 (Bad Extension) 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 users registration-state event package at the users registrar (S-CSCF). 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 a SIP URL that contains the P-CSCF's FQDN;

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

-   an Event header set to the "registration-state" event package;

-   an Expires header set to a value higher then the Expires header of the before sent 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 ~~message~~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.

5.2.4   Registration of multiple public user identites

Upon receipt of a NOTIFY ~~message~~ request on the dialog which was generated during subscription to the registration-state event package, the P-CSCF shall perform the following actions:

-   if a registration state value "open", i.e. registered is received for one or more public user identities, the P-CSCF shall bind the indicated public user identities as registered to the contact information of the user;

-   if a registration state value "closed", i.e. deregistered is received for one or more public user identities, the P-CSCF shall release all stored information for these public user identities.

NOTE: There may be public user identities which are automatically registered within the registrar (S-CSCF) of the user upon registration of one public user identity. These automatically registered public user identities belong to the same service profile of the user and they are not available at the P-CSCF, i.e. P-CSCF does not know that they have been registered. The here-described procedures provide a mechanism to inform the UE about these automatically registered public user identities.

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 remove the public user identity found in the To header field from the registered public user identities list and all related stored information.

NOTE: There is no requirement to distinguish a REGISTER request relating to a registration from that relation 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 event providing registration state information of a certain public user identity and an incoming NOTIFY request addressed to P-CSCF arrives containing information about network-initiated deregistration, then the P-CSCF shall remove the deregistered public user identity from the registered public user identities list and all related stored information.

Editor's note: The above text came from N1-011984, the text below from N1-011988. The two texts are attempting to specify the same thing. This conflict needs to be resolved in a future contribution.

Upon receipt of a NOTIFY message request on the dialog which was generated during subscription to the registration-state event package as described in subclause 5.2.3, which contains the registration state value "closed", i.e. deregistered, for one or more public user identities that were previously stored as registered, the P-CSCF shall release all stored information for that public user identity of that user.

If all public user identities that have been bound to one contact information are marked as deregistered, the P-CSCF shall release all resources for that specific user, i.e. the user then is treated as deregistered from the IM CN subsystem.

5.2.6   General treatment for all dialogs and standalone transactions excluding the REGISTER method

5.2.6.1   Introduction

The procedures of subclause 5.2.6 and its subclauses are general to all requests and responses, except those for the REGISTER method. Procedures in subsequent clauses to subclause 5.2.6 apply in addition to the procedures of subclause 5.2.6.

5.2.6.2   Requests initiated by the UE

When the P-CSCF receives from the UE an initial request for a dialog, and a Path header list exists for the initiator of the request, the P-CSCF shall:

-     remove any Route header from the request;

-     select the list of Route headers that was created during the registration or reregistration of the respective public user identity utilizing the Path mechanism (see subclause 5.2.3);

-     pre-load the list of Route headers to the request;

-     create a Record-Route header containing its own SIP URL;

-     create a new, globally unique value for the <icid> XML element and insert it into the message body (see subclause 7.6); and

-     forward the request based on the topmost Route header.

When the P-CSCF receives a 1xx or 2xx response to the above request, the P-CSCF shall:

-     remove the list of Record-Route headers from the received response; and

-     create a new list of stored Route headers, with the newly received list of Record-Route headers. The Contact header received in the response shall not be appended to the bottom of the stored list of Route headers.

When the P-CSCF receives any other response to the above request, the P-CSCF shall:

-     remove any list of Record-Route headers, even though not allowed, from the received response and forward it to the UE.

When the P-CSCF receives from the UE a refresh request for a dialog, the P-CSCF shall:

- remove any Route header from the request;

- select the list of Route headers that was created during the exchange of the initial request and its associated response;

- pre-load the list of Route headers to the request;

- create a Record-Route header containing its own SIP URL; and

- forward the request based on the topmost Route header.

When the P-CSCF receives a 1xx or 2xx response to the above request, the P-CSCF shall:

- remove the list of Record-Route headers from the received response; and

- overwrite any existing list of stored Route headers, or create a new list of stored Route headers, with the newly received list of Record-Route headers. The Contact header received in the response shall not be appended to the bottom of the stored list of Route headers.

When the P-CSCF receives any other response to the above request, the P-CSCF shall:

- remove any list of Record-Route headers, even though not allowed, from the received response and forward it to the UE.

When the P-CSCF receives from the UE the request for a standalone transaction, and a Path header list exists for the initiator of the request, the P-CSCF shall:

- remove any Route header from the request;

- select the list of Route headers that was created during the registration or reregistration of the respective public user identity utilizing the Path mechanism (see subclause 7.2.1);

- pre-load the list of Route headers to the request;

- create a new, globally unique value for the <icid> XML element and insert it into the message body (see subclause 7.6); and

- forward the request based on the topmost Route header.

When the P-CSCF receives any response to the above request, the P-CSCF shall:

- remove any list of Record-Route headers, even though not allowed, from the received response and forward it to the UE.

When the P-CSCF receives from the UE subsequent requests other than a refreshing request that pertains to an existing dialog, the P-CSCF shall:

- select the list of Route headers that was created during the exchange of the initial request and associated response for this call;

- pre-load the list of Route headers to the request; and

- forward the request based on the topmost Route header.

When the P-CSCF receives any response to the above request, the P-CSCF shall:

- remove any list of Record-Route headers, valid or not, from the received response and forward it to the UE.

When the P-CSCF receives from the UE an initial request for a dialog, a refresh request for a dialog, or the request of a standalone transaction, and a Path header list does not exist for the initiator of the request, the P-CSCF shall:

- send a 403 Forbidden response back to the UE containing a warning header.

Editor's Note: how to find out whether the user has a valid registration in the P-CSCF is FFS.

Editor's Note: The correct value for the warning code is yet to be assigned by IANA.

When the P-CSCF receives from the UE the request for an unknown method, and a Path header list exists for the initiator of the request, the P-CSCF shall:

- select the list of Route headers that was created during the registration or reregistration of the respective public user identity utilizing the Path mechanism (see subclause 7.2.1);

- pre-load the list of Route headers to the request, and

- forward the request based on the topmost Route header.

When the P-CSCF receives any response to the above request, the P-CSCF shall:

- remove any list of Record-Route headers, even though invalid, from the received response and forward it to the UE.

When the P-CSCF receives any request or response from the UE, the P-CSCF shall:

- remove the <charging-vector> XML element (see subclause 7.6), if present, from the message body of the received request or response.

5.2.6.3 Requests terminated by the UE

When the P-CSCF receives, destined for the UE, an initial request for a dialog, or a refresh request for a dialog, prior to forwarding the request, the P-CSCF shall:

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

- remove the list of Record-Route headers, and shall convert it into a list of Route headers. The Contact header shall not be appended to the bottom of the list of Route headers. The P-CSCF shall save this list of Route headers and append this list to all UE originated requests for this dialog;

- add itself on the top of the removed list of Record-Route headers and save the list. The list will be appended to UE originated response to the SUBSCRIBE request;

- remove and store the list of received Via headers from the received request and shall place its own address in the Via header with locally unique token to identify the saved values as a branch parameter . The P-CSCF shall append the list of Via headers to the UE originated response for this request; and

- remove and store the <icid> XML element from the message body (see subclause 7.6).

When the P-CSCF receives a 1xx or 2xx response to the above request, the P-CSCF shall:

- append the saved list of Record-Route headers to the response; and,

- append the saved list of Via headers to the response.

When the P-CSCF receives any other response to the above request, the P-CSCF shall:

- append the saved list of Via headers to the response.

When the P-CSCF receives, destined for the UE, a subsequent request for a dialog that is not a refresh request, or a request for a stand-alone transaction, prior to forwarding the request, the P-CSCF shall:

- remove and store the list of received Via headers from the received request and shall place its own address in the Via header with locally unique token to identify the saved values as a branch parameter . The P-CSCF shall append this list of Via headers to the UE originated response for this transaction; and

- remove and store the <icid> XML element from the message body (see subclause 7.6).

When the P-CSCF any response to the above request, the P-CSCF shall:

- append the saved list of Via headers to the response.

When the P-CSCF sends any request or response to the UE, the P-CSCF shall:

- remove the <charging-vector> XML element (see subclause 7.6) from the message body of the request or response.

5.2.7 Initial INVITE

5.2.7.1 Determination MO or MT case

Editor's Note: It has to be discussed whether this section is needed or if the determination of MO/MT case at the P-CSCF shall be left implementation dependent.

5.2.7.2 Mobile-originating case

The P-CSCF shall respond to all INVITE requests with a 100 (Trying) provisional response.

Upon receiving a response (e.g. 183 (Session Progress), 200 (OK)) to the initial INVITE request, the P-CSCF:

Editor's note: the case when the P-CSCF acts on behalf of the UE is FFS.

- if a media authorization token is generated by the PCF (i.e. when service-based local policy control is applied), insert the Media Authorization header containing that media authorization token.

When the P-CSCF sends the COMET request towards the S-CSCF, the P-CSCF shall also include the <gprs-charging-id> XML element in the message body. See subclause 5.2.7.4 for further information on the GPRS charging identifier.

5.2.7.3 Mobile-terminating case

When the P-CSCF receives an initial INVITE request destined for the UE, it will contain the URL of the UE in the Request-URI, and a single pre-loaded Route header. The received initial INVITE will also have a list of Record-Route headers. Prior to forwarding the initial INVITE to the URL found in the Request-URI, the P-CSCF shall:

Editor's note: the case when the P-CSCF acts on behalf of the UE is FFS.

- if a media authorization token is generated by the PCF (i.e. when service-based local policy control is applied), insert the Media Authorization header containing that media authorization token.

In addition, the P-CSCF shall respond to all INVITE requests with a 100 (Trying) provisional response.

When the P-CSCF sends a 180 (Ringing) provisional response towards the S-CSCF, the P-CSCF shall also include the <gprs-charging-id> XML element in the message body. See subclause 5.2.7.4 for further information on the GPRS charging identifier.

5.2.7.4 GPRS charging identifier

The GPRS charging identifier is coded as the <gprs-charging-id> XML element within the SIP message body as described in subclause 7.6.

The <gprs-charging-id> XML element contains one <ggsn> child element and one or more <pdp-info> child elements. Each <pdp-info> child XML element within <gprs-charging-id> corresponds to a PDP context that was established at the GGSN for a UE. Each <pdp-info> XML element contains <pdp-id> and <pdp-index> child elements, where <pdp-id> is the PDP context identifier that the P-CSCF obtained from the GGSN and <pdp-index> is the relative index to the media stream in the SDP for the PDP context. The numbering for the <pdp-index> will start at 1 and will be associated with the 'm' lines in the SDP, where the counting is done from top to bottom.

For the messages including the <gprs-charging-id> XML element, set the value of the Content-Type header to include the MIME type specified in subclause 7.6, which may be one part of a multipart message body.

5.2.8   Call release

5.2.8.1   P-CSCF-initiated call release

5.2.8.1.1   Cancellation of a session currently being established

Upon receipt of an indication that radio coverage is no longer available for a served user, for whom one ore more ongoing multimedia session are currently being established, the P-CSCF shall cancel the related dialogs by sending out a CANCEL request according to the procedures described in draft-ietf-sip-rfc2543bis-05 [20].

5.2.8.1.2   Release of an existing session

Upon receipt of an indication that radio coverage is no longer available for a served user, for whom one or more ongoing session exists, the P-CSCF shall release each of the related dialogs by applying the following steps:

1) If the P-CSCF serves the calling user of a session it shall generate a BYE message request based on the information saved for the related dialog, including:

   - a Request-URI, set to the topmost entry of the stored routeing information towards the called user;

   - a To header, set to the To header value as received in the 200 (OK) response for the initial INVITE request;

   - a From header, set to the From header value as received in the initial INVITE request;

   - a Call-ID header, set to the Call-Id header value as received in the initial INVITE request;

   - a CSeq header, set to the CSeq value that was stored for the direction from the calling to the called user, incremented by one;

   - a Route header, set to the routeing information towards the called user as stored for the dialog, exclusively the topmost entry (which appears in the Request-URI);

   - further headers, based on local policy or the requested session release reason.

2) If the P-CSCF serves the called user of a session it shall generate a BYE message request based on the information saved for the related dialog, including:

   - a Request-URI, set to the topmost entry of the stored routeing information towards the calling user;

   - a To header, set to the From header value as received in the initial INVITE request;

   - a From header, set to the To header value as received in the 200 (OK) response for the initial INVITE request;

   - a Call-ID header, set to the Call-Id header value as received in the initial INVITE request;

   - a CSeq header, set to the CSeq value that was stored for the direction from the called to the calling user, incremented by one – if no CSeq value was stored for that session it shall generate and apply a random number within the valid range for CSeqs;

   - a Route header, set to the routeing information towards the calling user as stored for the dialog, exclusively the topmost entry (which appears in the Request-URI);

   - further headers, based on local policy or the requested session release reason.

3) Afterwards the P-CSCF shall send the so generated BYE message request towards the indicated user.

4) Upon receipt of the 2xx responses for the BYE request, the P-CSCF shall delete all information related to the dialog and the related multimedia session.

5.2.8.1.3   Abnormal cases

Upon receipt of a request on a dialog for which the P-CSCF initiated session release, the P-CSCF shall terminate this received request and answer it with a 481 (Call/Transaction Does Not Exist) response.

5.2.8.2 Call release initiated by any other entity

When the P-CSCF receives a 2xx response for a BYE request matching an existing dialog, it shall delete all the stored information related to the dialog.

5.2.9 Subsequent requests

5.2.9.1 Mobile-originating case

For a reINVITE request from the UE, when the P-CSCF sends the COMET request towards the S-CSCF, the P-CSCF shall include the updated <gprs-charging-id> XML element in the message body. See subclause 5.2.7.4 for further information on the GPRS charging identifier.

5.2.9.2 Mobile-terminating case

For a reINVITE request destined towards the UE, when the P-CSCF sends 200 (OK) response (to the INVITE request) towards the S-CSCF, the P-CSCF shall include the updated <gprs-charging-id> XML element in the message body. See subclause 5.2.7.4 for further information on the GPRS charging identifier.

5.2.10 Further initial requests

5.2.10.1 Mobile-originating case

Void.

5.2.10.2 Mobile-terminating case

Void.

5.2.11 Emergency service

The P-CSCF shall inspect the Request URI of all INVITE requests for known emergency numbers and emergency URLs from a configurable list. If the P-CSCF detects that the Request-URI of the INVITE request matches one of the numbers in this list, the INVITE request shall not be forwarded. The P-CSCF shall answer the INVITE request with a 380 (Alternative Service) response.

The 380 (Alternative Service) response shall contain a Content-Type header field with the value set to associated MIME type of the 3GPP IMS XML body as described in subclause 7.6.1.

The 3GPP IMS XML body shall contain an <alternative-service> element that indicates the parameters of the alternative service. The <type> child element shall be set to "emergency" to indicate that it was an emergency call. An operator configurable <reason> child element shall be included with a reason phrase.

The P-CSCF shall have a configurable list of emergency numbers and emergency URLs (e.g. sos@domain). The list is used to determine whether the INVITE is destined for an emergency centre or not.

5.3 Procedures at the I-CSCF

5.3.1 Registration procedure

Editor's note: The text on routeing needs to be enhanced to ensure interworking with RFC 2543 and RFC 2543bis networks.

5.3.1.1 General

During the registration procedure the I-CSCF shall behave as a stateful proxy.

5.3.1.2 Normal procedures

When I-CSCF receives a REGISTER request, the I-CSCF starts the user registration status query procedure to the HSS as specified in 3GPP TS 29.228 [12].

If the user registration status query response from the HSS includes a valid SIP URI, the I-CSCF shall:

1) replace the Request-URI of the received REGISTER request with the SIP URL received from the HSS in the Server-Name AVP;

2) apply the procedures as described in subclause 5.3.3 if topology hiding is required; and

3) forward the REGISTER request to the indicated S-CSCF.

If the user registration status query response from the HSS includes a list of capabilities, the I-CSCF shall:

1) select a S-CSCF that fulfils the indicated mandatory capabilities – if more then one S-CSCFs fulfils the indicated mandatory capabilities the S-CSCF which fulfils most of the possibly additionally indicated optional capabilities;

2) replace the Request-URI of the received REGISTER request with the URI of the S-CSCF;

3) apply the procedures as described in subclause 5.3.3 if topology hiding is required; and

4) forward the REGISTER request to the selected S-CSCF.

When the I-CSCF receives a 2xx response to a REGISTER request, the I-CSCF shall proxy the 2xx response to the P-CSCF.

5.3.1.3 Abnormal cases

If the HSS sends a negative response to the user registration status query request, the I-CSCF shall send back a 403 (Forbidden) response.

If the the user registration status query procedure cannot be completed, e.g. due to time-out or incorrect information from the HSS, the I-CSCF shall send back a 480 (Temporarily Unavailable) response to the UE.

If a selected S-CSCF:

-   does not respond to the REGISTER request and its retransmissions by the I-CSCF; or

-   sends back a 3xx response or 480 (Temporarily Unavailable) response;

the I-CSCF shall select a new S-CSCF as described in subclause 5.3.1.2, based on the capabilities indicated from the HSS. The newly selected S-CSCF shall not be one of any S-CSCFs selected previously during this same registration procedure.

If the I-CSCF cannot select a S-CSCF which fulfils the mandatory capabilities indicated by the HSS, the I-CSCF shall send back a 600 (Busy Everywhere) response to the user.

When the I-CSCF receives a 420 (Bad Extension) response to a REGISTER request, and the Unsupported header contains the value path, the I-CSCF shall take OA&M actions to indicate an error. If the algorithm to select the S-CSCF in 1. above enables an alternative S-CSCF to be selected, then the I-CSCF shall repeat steps 1 through 5 to this new S-CSCF. If no alternative S-CSCF can be selected, the I-CSCF shall proxy the 420 (Bad Extension) response. In all other cases, the I-CSCF shall proxy the 420 (Bad Extension) response.

5.3.2 Further initial requests

5.3.2.1 Normal procedures

The I-CSCF may behave as a stateful proxy for further initial requests.

When the I-CSCF receives an initial request, not containing a Route header, the I-CSCF shall start the user location query procedure to the HSS as specified in 3GPP TS 29.228 [12] for the called user, indicated in the Request-URI.

Upon successful user location query, the I-CSCF shall:

1) insert the URL received from the HSS as the topmost Route header;

2) store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body. If no <icid> XML element was found, then create a new, globally unique value for the <icid> XML element and insert it into the message body;

3) apply the procedures as described in subclause 5.3.3 if topology hiding is required; and

4) forward the request based on the topmost Route header.

When the I-CSCF receives an initial request containing a Route header, the I-CSCF shall:

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

- apply the procedures as described in subclause 5.3.3; and

- forward the request based on the topmost Route header if present, or based on the Request-URI, in case no topmost Route header is available.

NOTE: In accordance with SIP the I-CSCF can add its own routeable SIP URL to the top of the Record-Route header to any request, independently of whether it is an initial request, or whether topology hiding is performed. The P-CSCF will ignore any Record-Route header that is not in the initial request of a dialog.

5.3.2.2   Abnormal cases

If the HSS sends a negative response to the user location query, the I-CSCF shall send back a 404 (Not Found) response.

Editor's Note: The procedures for selection of a default S-CSCF are ffs.

If the I-CSCF receives a CANCEL request and if the I-CSCF finds an internal state indicating a pending Cx transaction with the HSS, the I-CSCF:

- shall answer the CANCEL with a 200 OK;

- shall answer the original request with a 487 Request Terminated; and

- shall silently discard the later arriving (pending) Cx answer message from the HSS.

5.3.3   THIG functionality in the I-CSCF(THIG)

5.3.3.1   General

The following procedures shall only be applied if topology hiding is required by the network. The network requiring topology hiding is called the hiding network.

NOTE: Requests and responses are handled independently therefore no state information is needed for that purpose within an I-CSCF(THIG).

All headers which reveal topology information, such as Via, Route, Record-Route, Path, shall be subject to topology hiding. The Refer-To header shall not be subject to topology hiding.

Upon receiving an incoming REGISTER request for which topology hiding has to be applied and which includes a Path header, the I-CSCF(THIG) shall add the routeable SIP URL of an I-CSCF(THIG) to the top of the Path header.

Upon receiving an incoming initial request for which topology hiding has to be applied and which includes a Record-Route header, the I-CSCF(THIG) shall add its own routeable SIP URL to the top of the Record-Route header.

5.3.3.2   Encryption for topology hiding

Upon receiving an outgoing request/response from the hiding network the I-CSFC(THIG) shall perform the encryption for topology hiding purposes, i.e. the I-CSCF(THIG) shall:

1) use the whole header values which were added by one or more specific entity of the hiding network as input to encryption, besides the UE entry;

2) not change the order of the headers subject to encryption when performing encryption;

3) use for one encrypted string all received consecutive header entries subject to encryption, regardless if they appear in separate consecutive headers or if they are consecutive entries in a comma separated list in one header;

4) add after the encrypted string a "tokenized-by=" tag, indicating the encrypting network as a parameter;

5) form one valid entry for the specific header out of the resulting string, e.g. add "SIP/2.0/UDP" for Via headers and "sip:" for Route and Record-Route headers.

NOTE 1: Even if consecutive entries of the same network in a specific header are encrypted, they will result in only one encrypted header entry. For example:

```
Via: SIP/2.0/UDP icscf1_s.home1.net,
     SIP/2.0/UDP Token( SIP/2.0/UDP scscf1.home1.net,
                        SIP/2.0/UDP pcscf1.home1.net);tokenized-by=home1.net,
     SIP/2.0/UDP [5555::aaa:bbb:ccc:ddd]
```

NOTE 2: If multiple entries of the same network are within the same type of headers, but they are not consecutive, then these entries will be tokenized to different strings. For example:

```
Route:  sip:icscf1_s.home1.net,
        sip:Token(sip:scscf1.home1.net);tokenized-by=home1.net,
        sip:as1.foreign.net,
        sip:Token(sip:scscf1.home1.net,
                  sip:pcscf1.home1.net);tokenized-by=home1.net,
        sip:[5555::aaa:bbb:ccc:ddd]
```

5.3.3.3 Decryption for Topology Hiding

Upon receiving and incoming requests/response to the hiding network the I-CSCF(THIG) shall perform the decryption for topology hiding purposes, i.e. the I-CSCF shall:

1) identify encrypted strings within all headers of the incoming message;

2) use all those encrypted strings that carry the identification of the hiding network within the value of the tokenized-by tag as input to decryption;

3) use as encrypted string the data between the sent-protocol (for Via Headers, e.g. "SIP/2.0/UDP") or the URI scheme (for Route and Record-Route Headers, e.g. "sip:") and the tokenized-by tag;

4) replace all content of the received header which carries encrypted information with the entries resulting from decryption.

EXAMPLE: An encrypted entry to a Via header that looks like:

```
Via:    SIP/2.0/UDP Token(SIP/1.0/UDP scscf1.home1.net,
        SIP/1.0/UDP pcscf1.home1.net);tokenized-by=home1.net
```

will be replace with the following entries:

```
Via: SIP/1.0/UDP scscf1.home1.net, SIP/1.0/UDP pcscf1.home1.net
```

NOTE: Motivations for these decryption procedures are e.g. to allow the correct routeing of a response through the hiding network, to enable loop avoidance within the hiding network, or to allow the entities of the hiding network to change their entries within e.g. the Record-Route header.

5.4 Procedures at the S-CSCF

Editor's note: The text on routeing needs to be enhanced to ensure interworking with RFC 2543 and RFC 2543bis networks.

5.4.1 Registration and authentication

5.4.1.1 Introduction

The S-CSCF shall act as the SIP registrar for all UAs of the IM CN subsystem with public user identities, (see table A.150/2 and other capabilities in annex A dependent on that major capability).

The S-CSCF shall support the use of the Path header. The S-CSCF must also support the Require and Proxy-Require headers. The Path header is only applicable to the REGISTER request and its 200-(OK) response.

The network operator defines minimum and maximum times for each registration. These values are provided within the S-CSCF.

The procedures for notification concerning automatically registered public user identities of a user are described in subclause 5.4.2.1.2.

5.4.1.2 Initial registration and user-initiated reregistration

5.4.1.2.1 Normal procedures

When the S-CSCF receives a REGISTER request, the S-CSCF shall verify that the "path" option-tag is contained in the Proxy-Require header. If the "path" option-tag is present, the S-CSCF shall store the information contained in the Path header so that it can be used for mobile terminated requests.

> Editor's Note: If the S-CSCF receives a Path header without the "path" option tag in the Proxy-Require header, we have an error condition in the I-CSCF. The I-CSCF behavior for this scenario is FFS.

The S-CSCF shall:

- check the existence of a Path header in the request;

> Editor's note: The action S-CSCF has to take when a Path header is not present in the request is FFS.

- when a Path header exists in the request, insert its own FQDN, or IP address, in the form of SIP URL at the top of the list found in the Path header saved from the REGISTER request;

- save the Contact header value for the entire duration of the registration;

- construct a list of preloaded Route headers from the list of entries in the Path header. The order in the lists is preserved;

- include an expiration time in the 200 (OK) response, using one value provided within the S-CSCF, according to the local policy of the network, if this expiration time is shorter than the requested expiry time received from the UE;

- save the list of preloaded Route headers for the entire duration of the registration;

> NOTE 1: If this registration is a reregistration, then a list of pre-loaded Route headers will already exist. The new list replaces the old list.

- bind to each individual public user identity all contact information under which the public user identity has been registered (either manually by means of a REGISTER message request or automatically upon the registration of another public user identity);

> NOTE 2: There might be more then one contact information available for one public user identity.

- bind to each contact information the respective Path header entries, that were received in the same REGISTER message request as that contact information;

- add its Path header on the top of the received list of Path headers, and returns this list in the 200 (OK) response;

- check whether the message request contains information indicating that it was received with a valid integrity check by the P-CSCF; and

Editor's Note: The method by which the P-CSCF indicates this is FFS.

- 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.

On receiving a failure response to one of the third-party REGISTER requests, the S-CSCF may initiate network-initiated deregistration procedure based on the information in the Filter Criteria. If the Filter Criteria does not contain instruction to the S-CSCF regarding the failure of the contact to the Application Server, the S-CSCF shall not initiate network-initiated deregistration procedure.

The S-CSCF may require authentication of the user for any REGISTER request, and shall always require authentication for initial registration. The information that a REGISTER has a valid integrity check may be used as part of the decision to authenticate the registration. The S-CSCF shall request authentication by responding to the REGISTER request with a 401 Unauthorized with:

- the Authorization header containing the authentication parameters (RAND, AUTN, CK and IK).

5.4.1.2.2 Abnormal cases

In the case that the REGISTER request from the UE contains an incorrect authentication response, from the UE is incorrect the S-CSCF shall either:

- attempt a further authentication challenge; or

- deregister the user and terminate any ongoing sessions for all public user identities associated with the private user identity being authenticated, and release resources allocated to those sessions.

In the case that a REGISTER request from the UE the contains an incorrect authentication response from the UE is incorrect for three consecutive attempts then the S-CSCF shall deregister the user and terminate any ongoing sessions for all public user identities associated with the private user identity being authenticated, and release resources allocated to those sessions.

In the case that the S-CSCF determines that no REGISTER request containing an authentication response will be received from the UE (e.g. it may be unreachable due to loss of radio coverage), the S-CSCF shall either:

- attempt a further authentication challenge; or

- deregister the user and terminate any ongoing sessions for all public user identities associated with the private user identity being authenticated, and release resources allocated to those sessions.

In the case that the REGISTER request response from the UE containing an authentication response indicates that the authentication challenge was invalid and with no RES or AUTS parameter in the subsequent REGISTER message, the S-CSCF shall:

- respond with the relevant 4xx response (e.g. 401 (Unauthorized) to initiate a further authentication attempt, or 403 (Forbidden) if the authentication attempt is to be abandoned).

In the case that the REGISTER request response from the UE containing an authentication response indicates that the authentication challenge was invalid with but contains the AUTS parameter in the subsequent REGISTER message, the S-CSCF shall:

- fetch new authentication vectors from the HSS, including AUTS and RAND in the request to indicate a resynchronisation; and

- on receipt of the new vectors send a 401 Unauthorized to initiate a further authentication attempt, using these new vectors.

In the case that the expiration timer from the UE is too short to be accepted by the S-CSCF, the S-CSCF shall:

- reject the REGISTER request with a 423 (Registration Interval Too Brief) response, containing a Min-Expires header with the minimum registration time the S-CSCF will accept.

5.4.1.3 Authentication and reauthentication

Authentication and reauthentication is performed by the registration procedures as described in subclause 5.4.1.2.

5.4.1.4 User-initiated deregistration

When the S-CSCF receives a REGISTER request, it shall verify that the "path" option-tag is contained in the Proxy-Require header. If the "path" option-tag is present, the S-CSCF shall store the information contained in the Path header so that it can be used for mobile terminated requests.

Editor's Note: If the S-CSCF receives a Path header without the "path" option tag in the Proxy-Requre header, we have an error condition in the I-CSCF. The I-CSCF behavior for this scenario is FFS.

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

- deregister the subscriber and remove all related stored information;

- insert its own FQDN or IP address in the form of SIP URL at the top of the list found in the Path header saved from the REGISTER request;

- add its Path header on the top of the received list of Path headers, and returns this list in the 200 (OK) response; 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.

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 that event, 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.

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 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.

Editor's note: The possible values of the event header are: presence, registration-state, a new subpackage of presence.

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.

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 registration-state 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 "registration-state" 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 registration state "re-authenticate".

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 it can authenticate the subscriber from, the S-CSCF may as an implementation option try to request the UE by other means to re-authenticate, e.g. by sending a REFER method in order to request a REGISTER ~~message~~request.

If UE does not re-authenticate within a certain period of time, the S-CSCF shall deregister the private user identity as described in subclause 5.4.1.5 and terminate the ongoing sessions of that user.

5.4.1.7 Notification of Application Servers about registration status

If the registration procedure described in subclauses 5.4.1.2, 5.4.1.4 or 5.4.1.5 (as appropriate) was successful, the S-CSCF shall send a third-party REGISTER request to each Application Server with the following information:

a) the Request-URI shall contain the FQDN or IP address of the AS in the form of a SIP URL;

b) the From header shall contain the FQDN or IP address of the S-CSCF in the form of a SIP URL;

c) the To header shall contain the public user identity as contained in the REGISTER request received form the UE;

d) the Contact header shall contain the FQDN or IP address of the S-CSCF in the form of a SIP URL;

e) for initial registration and user-initiated reregistration (subclause 5.4.1.2), the Expires header shall contain the same value that the S-CSCF returned in the 200 (OK) response for the REGISTER request received form the UE;

f) for user-initiated deregistration (subclause 5.4.1.4) and network-initiated deregistration (subclause 5.4.1.5), the Expires header shall contain the value zero;

g) for initial registration and user-initiated reregistration (subclause 5.4.1.2), a message body shall be included in the REGISTER request if there is Filter Criteria indicating the need to include HSS provided data for the REGISTER event (e.g. HSS may provide AS specific data to be included in the third-party REGISTER, such as IMSI to be delivered to IM SSF). If there is a service information XML element provided in the HSS Filter Criteria for an AS (see 3GPP TS 29.228 [12]), then it shall be included in the ~~REGISTER~~ message body of the REGISTER request within the <service-info> XML element as described in subclause 7.6. For the messages including the 3GPP IMS XML body, set the value of the Content-Type header to include the MIME type specified in subclause 7.6.

5.4.2 Subscription and notification

Editors Note: This should be handled in a generic way

5.4.2.1 Subscriptions to S-CSCF events

5.4.2.1.1 Subscription to the event providing registration state

When an incoming SUBSCRIBE request addressed to S-CSCF arrives containing the Event header with the registration-state event package, the S-CSCF shall generate a 2xx response acknowledging the SUBSCRIBE request and indicating that the subscription was successful. Furthermore, the response shall include:

- an Expires header which either contains the same or a decreased value as the Expires in SUBSCRIBE request; and

- a Contact header which is an identifier generated within the S-CSCF that will help to correlate refreshes for the SUBSCRIBE.

Editor's note: Authorization needs to be applied before subscribing for the event providing information about the registration state. This is FFS.

Afterwards the S-CSCF shall perform the procedures for notification about registration state as described in subclause 5.4.2.1.2.

5.4.2.1.2   Notification about registration state

If the registration state of one or more public user identities changes, the S-CSCF shall generate a NOTIFY request on all dialogs which have been established due to subscription to the registration-state event package of that user. For each NOTIFY request, the S-CSCF shall:

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

-    set the Event header to the "registration-state" value;

-    indicate registration state "open" for all public user identities which are currently registered;

-    indicate registration state "closed" for all public user identities which are currently deregistered; and

-    indicate within the "<detail>" information of those public user identities which will be automatically reregistered the "automatically by" information, followed by the specific public user identity which will cover the reregistration.

EXAMPLE: If sip:user1_public1@home1.net is reregistered, the public user identity sip:user1_public2@home1.net was automatically be registered. Therefore the entries in the body of the NOTIFY ~~message~~ request look like:

```
<tuple name="sip:user1_public1@home1.net">
  <status><value>open</value></status>
</tuple>

<tuple name="sip:user1_public2@home1.net">
  <status> <value>open</value> </status>
  <detail>automatically by sip:user1_public1@home1.net</detail>
</tuple>
```

Afterwards the S-CSCF shall send the generated NOTIFY request on the dialog and await a 2xx response.

5.4.2.2   Proxy behaviour for SUBSCRIBE / NOTIFY

Void.

5.4.3   General treatment for all dialogs and standalone transactions excluding requests terminated by the S-CSCF

5.4.3.1   Requests initiated by the served user

When the S-CSCF receives from the served user an initial request for a dialog or a request for a standalone transaction, prior to forwarding the request, the S-CSCF shall:

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

-    if the outgoing Request-URI is a TEL URL, the S-CSCF shall translate the E.164 address (see RFC 2806 [16]) to a globally routable SIP URL using an ENUM/DNS translation mechanism with the format specified in RFC 2916 [18]. Databases aspects of ENUM are outside the scope of the present document. If this translation fails, the request may be forwarded to a BGCF or any other appropriate entity (e.g a MRFC to play an announcement) in the originator's home network or an appropriate SIP response shall be sent to the originator;

-    check if <original-dialog-id> XML element is present in the payload of the incoming request. If present, it indicates an association with an existing dialog, the request has been sent from an Application Server in response to a previously sent request. The <od-to>, <od-from> and <od-call-id> XML element values from the <original-dialog-id> XML element may be used as additional parameters when searching for existing dialogs. Local data shall be updated to indicate that this Application Server has been contacted for the initial request. The S-CSCF shall determine the next hop using initial filter criteria and local data on status of which Application Servers have been contacted. If the next hop is another Application Server, the S-CSCF shall retain the <original-dialog-id> XML element in the message body of the request. If the next hop is not an Application Server, the S-CSCF shall leave out the <original-dialog-id> XML element from the payload of the request;

- check whether the initial request matches the initial filter criteria of the application servers assigned for the public user identity as described in 3GPP TS 23.218 [5] subclause 6.4. Depending on the result of the previous check, the S-CSCF may contact one or more application server(s) before processing the outgoing Request-URI. In case of contacting one or more application server(s) the S-CSCF shall:

  - insert the AS URL to be contacted into the Route header as the topmost entry followed by its own URL; and

  - initialise local data to track the status of contacting each application server specified in the service profile. Additionally S-CSCF shall also populate the <original-dialog-id> XML element in the message body with the original To, From and Call-ID headers received in the request. See subclause 5.4.3.3 for further information on the original dialog identifier.

- store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body;

- determine the destination address (e.g. DNS access) using the URL placed in the topmost Route header if present, otherwise based on the Request-URI; and

- in case of an initial request for a dialog the S-CSCF shall create a Record-Route header containing its own SIP URL and save the necessary header fields from the request (and from its appropriate responses) in order to release the dialog when needed.

When the S-CSCF receives from the served usera refresh request for a dialog, prior to forwarding the request the S-CSCF shall:

- remove its own URL from the topmost Route header;

- create a Record-Route header containing its own SIP URL and save the necessary header fields from the request (and from its appropriate responses) in order to release the dialog when needed; and

- route the request based on the topmost Route header.

When the S-CSCF receives from the served user a subsequent request other than refresh request for a dialog, prior to forwarding the request the S-CSCF shall:

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

- route the request based on the topmost Route header.

5.4.3.2   Requests terminated at the served user

When the S-CSCF receives, destined for the served user, an initial request for a dialog or a request for a standalone transaction, prior to forwarding the request, the S-CSCF shall:

- remove its own URL from the topmost Route header;

- check if <original-dialog-id> XML element is present in the payload of the incoming request. If present, it indicates an association with an existing dialog, the request has been sent from an Application Server in response to a previously sent request. The <od-to>, <od-from> and <od-call-id> XML element values from the <original-dialog-id> XML element may be used as additional parameters when searching for existing dialogs. Local data shall be updated to indicate that this Application Server has been contacted for the initial request. The S-CSCF shall determine the next hop using initial filter criteria and local data on status of which Application Servers have been contacted. If the next hop is another Application Server, the S-CSCF shall retain the <original-dialog-id> XML element in the message body of the request. If the next hop is not an Application Server, the S-CSCF shall leave out the <original-dialog-id> XML element from the payload of the request;

- check whether the initial request matches the initial filter criteria of the application servers assigned for the public user identity as described in 3GPP TS 23.218 [5] subclause 6.5. Depending on the result of the previous check the S-CSCF may contact one or more application server(s) before contacting an I-CSCF/P-CSCF respectively. In case of contacting one or more application server(s) the S-CSCF shall:

  - insert the AS URL to be contacted into the Route header as the topmost entry followed by its own URL; and

- initialise local data to track the status of contacting each application server specified in the service profile. Additionally S-CSCF shall also populate the <original-dialog-id> XML element in the message body with the original To, From and Call-ID headers received in the request. See subclause 5.4.3.3 for further information on the original dialog identifier.

- store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body;

- in case there are no Route headers in the request, then determine, from the destination public user identity, the list of preloaded routes saved during registration or re-registration, as described in subclause 5.4.1.2.1;

- determine, from the destination public user identity, the saved Contact URL where the user is reachable saved at registration or reregistration, as described in subclause 5.4.1.2.1;

- build the Request-URI and Request header field values from the preloaded routes and saved Contact URL, as described in RFC 2543bis [20];

- insert a P-Called-Party-ID SIP header field including the Request-URI received in the INVITE;

- in case of an initial request for a dialog create a Record-Route header containing its own SIP URL and save the necessary header fields from the request (and from its appropriate responses) in order to release the dialog when needed;

- replace the Request-URI with the contents of the user Contact URL saved by the S-CSCF at registration time; and

- forward the request based on the topmost Route header.

When the S-CSCF receives, destined for the served user, a refresh request for a dialog, prior to forwarding the request, the S-CSCF shall:

- remove its own URL from the topmost Route header;

- create a Record-Route header containing its own SIP URL and save the necessary header fields from the request (and from its appropriate responses) in order to release the dialog when needed; and

- forward the request based on the topmost Route header.

When the S-CSCF receives, destined for the served user, a subsequent request other than refresh request for a dialog, prior to forwarding the request, the S-CSCF shall:

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

- forward the request based on the topmost Route header.

5.4.3.3 Original dialog identifier

The original dialog identifier is coded as the <original-dialog-id> XML element within the SIP message body as described in subclause 7.6.

For the messages including the <original-dialog-ID> XML element, set the value of the Content-Type header to include the MIME type specified in subclause 7.6, which may be one part of a multipart message body.

5.4.3.4 Abnormal cases

The S-CSCF shall, when contacting application servers based on the initial filter criteria, expect either a final response from the application server as the session terminates there, or the initial request message, that may be modified. In either case the message should be identified (using <original-dialog-id> XML element) as belonging to the original request forwarded by the S-CSCF.

If the S-CSCF receives a message including an <original-dialog-id> XML element that does not match any that it has forwarded to the application server it shall:

- respond to the application server with 481 Call Leg/Transaction Does Not Exist.

5.4.4 Call initiation

5.4.4.1 Initial INVITE

Void.

5.4.4.1.1 Determination of served user

Void.

5.4.4.1.2 Mobile-originating case

Void.

5.4.3.1.3 Mobile-terminating case

Void.

5.4.4.2 Subsequent requests

Editor's Note: PRACK and COMET can be handled in a generic way.

5.4.4.2.1 Mobile-originating case

When the S-CSCF receives the COMET request, the S-CSCF shall remove and store the <gprs-charging-id> XML element from the message body (see subclause 7.6). The <gprs-charging-id> XML element is not included in the message body when the COMET request is forwarded.

5.4.3.2.2 Mobile-terminating case

When the S-CSCF receives 180 (Ringing) response, the S-CSCF shall remove and store the <gprs-charging-id> XML element from the message body (see subclause 7.6). The <gprs-charging-id> XML element is not included in the message body when the 180 (Ringing) response is forwarded.

5.4.5 Call release

5.4.5.1 S-CSCF-initiated session release

Void.

5.4.5.1.1 Cancellation of a session currently being established

Upon receipt of an network internal indication to release a session which is currently being established, the S-CSCF shall cancel the related dialogs by sending the CANCEL request according to the procedures described in draft-ietf-sip-rfc2543bis-05 [20].

5.4.5.1.2 Release of an existing session

Upon receipt of a network internal indication to release an existing multimedia session, the S-CSCF shall:

1) generate a first BYE message request for the called user based on the information saved for the related dialog, including:

   - a Request-URI, set to the topmost entry of the stored routeing information towards the called user;

   - a To header, set to the To header value as received in the 200 (OK) response for the initial INVITE request;

   - a From header, set to the From header value as received in the initial INVITE request;

- a Call-ID header, set to the Call-Id header value as received in the initial INVITE request;

- a CSeq header, set to the CSeq value that was stored for the direction from the calling to the called user, incremented by one;

- a Route header, set to the routeing information towards the called user as stored for the dialog, exclusively the topmost entry (which appears in the Request-URI);

- further headers, based on local policy or the requested session release reason.

2) generate a second BYE ~~message~~ request for the calling user based on the information saved for the related dialog, including:

- a Request-URI, set to the topmost entry of the stored routeing information towards the calling user;

- a To header, set to the From header value as received in the initial INVITE request;

- a From header, set to the To header value as received in the 200 (OK) response for the initial INVITE request;

- a Call-ID header, set to the Call-Id header value as received in the initial INVITE request;

- a CSeq header, set to the CSeq value that was stored for the direction from the called to the calling user, incremented by one – if no CSeq value was stored for that session it shall generate and apply a random number within the valid range for CSeqs;

- a Route header, set to the routeing information towards the calling user as stored for the dialog, exclusively the topmost entry (which appears in the Request-URI);

- further headers, based on local policy or the requested session release reason.

3) If the S-CSCF serves the calling user it shall:

- treat the first BYE ~~message~~ request as if received directly from the calling user, i.e. send it to internal service control and based on the outcome further on towards the called user;

- send the second BYE ~~message~~ request directly to the calling user.

4) If the S-CSCF serves the called user it shall:

- send the first BYE ~~message~~ request directly to the called user;

- treat the second BYE ~~message~~ request as if received directly from the called user, i.e. shall send it to internal service control and based on the outcome further on towards to the called user.

Upon receipt of the 2xx responses for both BYE requests, the S-CSCF shall release all information related to the dialog and the related multimedia session.

5.4.4.1.3   Abnormal cases

Upon receipt of a request on a dialog for which the S-CSCF initiated session release, the S-CSCF shall terminate the received request and answer it with a 481 (Call/Transaction Does Not Exist) response.

5.4.4.2   Session release initiated by any other entity

Upon receipt of a 2xx response for a BYE request matching an existing dialog, the S-CSCF shall delete all the stored information related to the dialog.

5.4.6 Call-related requests

5.4.6.1 ReINVITE

5.4.6.1.1 Determination of served user

Void.

5.4.6.1.2 Mobile-originating case

For a reINVITE request from the UE, when the S-CSCF receives the COMET request, the S-CSCF shall remove and store the updated <gprs-charging-id> XML element from the message body (see subclause 7.6). The <gprs-charging-id> XML element is not included in the message body when the COMET request is forwarded.

5.4.6.1.3 Mobile-terminating case

For a reINVITE request destined towards the UE, when the S-CSCF receives the 200 (OK) response (to the INVITE), the S-CSCF shall remove and store the updated <gprs-charging-id> XML element from the message body (see subclause 7.6). The <gprs-charging-id> XML element is not included in the message body when the 200 (OK) response is forwarded.

5.4.6.2 REFER

5.4.6.2.1 Mobile-originating case

Void.

5.4.6.2.2 Mobile-terminating case

Void.

5.4.6.2.3 REFER initiating a new session

Void.

5.4.6.2.4 REFER replacing an existing session

Void.

5.4.6.3 INFO

Editor's Note: It has to be determined which of these requests can be handled in a generic way.

5.4.7 Further initial requests

Editor's Note: Generic handling of e.g. OPTIONS should be described here

5.5 Procedures at the MGCF

5.5.1 General

The MGCF, although acting as a UA, does not initiate any registration of its associated addresses. These are assumed to be known by peer-to-peer arrangements within the IM CN subsystem. Therefore the dependencies of table 0.3/1 and table 0.3/2 shall not apply.

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

5.5.2 Subscription and notification

5.5.2.1 Subscriptions to MGCF events

Void.

5.5.2.2 Gateway behaviour for SUBSCRIBE / NOTIFY

Void.

5.5.3 Call initiation

5.5.3.1 Initial INVITE

5.5.3.1.1 Calls originated from circuit-switched networks

When the MGCF receives an indication of an incoming call from a circuit-switched network, the MGCF shall:

- generate and send an INVITE request:

  - set the Request-URI to the "tel" format using an E.164 address;

  - set the Supported header to "100rel" (see draft-ietf-sip-manyfolks-resource [22]); and

  - create a new, globally unique value for the <icid> XML element and insert it into the message body (see subclause 7.6).

5.5.3.1.2 Calls terminating in circuit-switched networks

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

- send 100 ("Trying") response;

- assuming the "100rel" indicator was received and a matching codec is found,send 183 ("Session Progress") response:

  - set the Require header to the value of "100rel";

  - set the Content-Disposition header to the value of "precondition"; and

  - store the value of the <icid> XML element received in the message body (see subclause 7.6).

  Editor's note: must receive Supports header with value of 100rel in the INVITE.

  Editor's note: need text to describe error legs.

5.5.3.2 Subsequent requests

5.5.3.2.1 Calls originating in circuit-switched networks

When the MGCF receives 200 (OK) response to a PRACK request and notification that bearer setup is complete, the MGCF shall:

- send a COMET request.

5.5.3.2.2 Calls terminating in circuit-switched networks

When the MGCF receives an indication of a ringing for the called party of outgoing call to a circuit-switched network, the MGCF shall:

- send 180 "Ringing" to the UE.

When the MGCF receives an indication of answer for the called party of outgoing call to a circuit-switched network, the MGCF shall:

- send 200 OK to the UE.

5.5.4 Call release

5.5.4.1 Call release initiated by a circuit-switched network

When the MGCF receives an indication of call release from a circuit-switched network, the MGCF shall:

- send a BYE request to the UE.

5.5.4.2 S-CSCF-initiated call release

5.5.4.3 MGW-initiated call release

When the MGCF receives an indication from the MGW that the bearer was lost, the MGCF shall:

- send a BYE request towards the UE.

Editor's note: should the Error-Info header be used to indicate an error case for the session release?

5.5.5 Call-related requests

5.5.5.1 ReINVITE

5.5.5.1.1 Calls originating from circuit-switched networks

Editor's Note: When the bearer on the circuit-switched network side is halted/resumed, should the MGCF notify the UE with a reINVITE?

5.5.5.1.2 Calls terminating in circuit-switched networks

When the MGCF receives a reINVITE request for hold/resume operation, the MGCF shall:

- send (100 Trying) response;

- after performing interaction with MGW to hold/resume the media flow, send 200 (OK) response.

5.5.5.2 REFER

5.5.5.2.1 Calls originating from circuit-switched networks

Void.

5.5.5.2.2 Calls terminating in circuit-switched networks

Void.

5.5.5.2.3 REFER initiating a new session

Void.

5.5.5.2.4 REFER replacing an existing session

Void.

5.5.5.3   INFO

Void.

5.5.6   Further initial requests

When the MGCF responds to an OPTIONS request with a 200 (OK) response, the MGCF may include a message body with an indication of the DTMF capabilities and supported codecs of the MGCF/MGW.

Editor's note: it is FFS how to identify the resources of the MGCF/MGW.

5.6   Procedures at the BGCF

5.6.1   General

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

5.6.2   Session initiation transaction

When the BGCF receives an INVITE request, the BGCF shall forward the request either to an MGCF within its own network, or to another network containing an MGCF. The BGCF need not Record-Route the INVITE request. The BGCF shall store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body.

NOTE: The means by which the decision is made to forward to an MGCF or to another network is outside the scope of the present document, but may be by means of a lookup to an external database, or may be by data held internally to the BGCF.

5.7   Procedures at the Application Server (AS)

NOTE: This subclause defines only the requirements on the application server that relate to SIP. Other requirements are defined in 3GPP TS 23.218 [5].

5.7.1   Common Application Server (AS) Procedures

5.7.1.1   Notification about registration status

The AS may support the REGISTER method in order to discover the registration status of the user. If a REGISTER request arrives containing information about the user's registration status and the AS supports the REGISTER method, the AS shall store the Expires parameter from the request and generate a 200 (OK) response or an appropriate failure response. For the success case, the 200 (OK) response shall contain Expires value equal to the value received in the REGISTER request.

5.7.1.2   Extracting charging correlation information

When an AS receives an initial request for a dialog or a request for a standalone transaction, the AS shall store the value of the <icid> XML element received in the message body (see subclause 7.6) and retain the <icid> XML element in the message body.

5.7.2   Application Server (AS) acting as terminating UA, or redirect server

Editors Note: When acting as a terminating UA the AS shall behave as defined for a UE in 5.1.4.

The S-CSCF may forward received initial requests to the application server based on initial filter criteria being met. If the S-CSCF includes an <original-dialog-id> XML element in these requests, the AS shall include this <original-dialog-id> XML element in any responses and/or subsequent requests sent on this dialog.

An Application Server acting as redirect server shall propagate any received 3GPP message body in the redirected message.

5.7.3 Application Server (AS) acting as originating UA

Editors Note: When acting as an originating UA the AS shall behave as defined for a UE in 5.1.3.

When an AS acting as 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> XML element and insert it into the message body (see subclause 7.6).

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 an <original-dialog-id> XML element in these requests, the AS shall include this <original-dialog-id> XML element 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. 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 receives an initial INVITE request, it will contain the AS's SIP URL in the Request-URI. Before generating a new INVITE back to the S-CSCF, the AS:

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

- 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 <original-dialog-id> XML element in the message body of the initial INVITE request and populate the same <original-dialog-id> XML element in the message body of the new INVITE request.

5.7.5.2.2 Subsequent requests

Editor's Note: subsequent requests can be handled in a generic way. Is there anything needed here?

5.7.5.3   Call release

5.7.5.4   Call-related requests

Editor's Note: call-related requests can be handled in a generic way. Is there anything needed here?

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

Editor's Note: call-related requests can be handled in a generic way. Is there anything needed here?

5.8   Procedures at the MRFC

5.8.1   General

Void.

5.8.2   Call initiation

5.8.2.1   Initial INVITE

5.8.2.1.1   MRFC-terminating case

When the MRFC receives an initial INVITE request, the MRFC shall store the value of the <icid> XML element received in the message body (see subclause 7.6).

5.8.2.1.1.1   Tones and announcements

The MRFC can receive INVITE requests to set up a session to play tones and announcements. The MRFC acts as terminating UA in this case.

When the MRFC receives an INVITE request with an indicator for a tone or announcement, the MRFC shall:

-    send 100 (Trying) response.

      Editor's note: it is FFS how to identify the tone or announcement to be played.

5.8.2.1.1.2   Ad-hoc conferences

The MRFC can receive INVITE requests to set up an ad-hoc conferencing session (e.g. Multiparty Call) or to add parties from the conference. The MRFC acts as terminating UA in this case.

When the MRFC receives an INVITE request with an indicator to initiate ad hoc conferencing, the MRFC shall:

-    send 100 (Trying) response; and

-    after the MRFP indicates that the conference resources are available, send 200 (OK) response with an MRFC conference identifier.If the MRFC chooses to send a 183 (Session Progress) response prior to the 200 OK, then the conference identifier may also be included in the 183 (Session Progress) response.

When the MRFC receives an INVITE request with an indicator to add a party to an existing ad hoc conference (i.e. MRFC conference identifier), the MRFC shall:

-    send 100 (Trying) response; and

-    after the MRFP indicates that the conferencing request is granted, send 200 (OK) response with the MRFC conference identifier.If the MRFC chooses to send a 183 (Session Progress response) prior to the (200) OK, then the conference identifier may also be included in the 183 (Session Progress) response.

Editor's note: it is FFS how to identify the resources of the MRFC/MRFP.

5.8.2.1.1.3 Transcoding

The MRFC may receive INVITE requests to set up transcoding between endpoints with incompatible codecs. The MRFC acts as terminating UA in this case.

When the MRFC receives an INVITE request with an indicator for transcoding and a codec is supplied in SDP, the MRFC shall:

- send 100 (Trying) response; and

- after the MRFP indicates that the transcoding request is granted, send 200 (OK) response.

When the MRFC receives an INVITE request with an indicator for transcoding but no SDP, the MRFC shall:

- send 183 (Session Progress) response with list of codecs supported by the MRFC/MRFP.

5.8.2.1.2 MRFC-originating case

Void.

5.8.2.2 Subsequent requests

Editor's Note: PRACK and COMET can be handled in a generic way.

5.8.2.2.1 Tones and announcements

When the MRFC receives an ACK request for a session, this may be considered as an event to direct the MRFP to start the playing of a tone or announcement.

5.8.3 Call release

5.8.3.1 S-CSCF-initiated call release

5.8.3.1.1 Tones and announcements

When the MRFC receives a BYE request for a session, the MRFC shall direct the MRFP to stop the playing of a tone or announcement.

5.8.3.2 MRFC-initiated call release

5.8.3.2.1 Tones and announcements

When the MRFC has a timed session to play tones and announcements and the time expires, the MRFC shall:

- send a BYE request towards the UE.

When the MRFC is informed by the MRFP that tone or announcement resource has been released, the MRFC shall:

- send a BYE request towards the UE.

5.8.2.2.2 Transcoding

When the MRFC receives a PRACK request (in response to the 183 (Session Progress) response) with an indicator for transcoding and codec supplied in SDP, the MRFC shall:

- after the MRFP indicates that the transcoding request is granted, send 200 (OK) response.

5.8.4   Call-related requests

5.8.4.1   ReINVITE

5.8.4.1.1   MRFC-terminating case

5.8.4.1.1.1   Ad-hoc conferences

The MRFC can receive reINVITE requests to modify an ad-hoc conferencing session (e.g. Multiparty Call) for purposes of floor control and for parties to leave and rejoin the conference.

When the MRFC receives a reINVITE request, the MRFC shall:

-    send 100 (Trying) response; and

-    after the MRFP indicates that the conferencing request is granted, send 200 (OK) response with the MRFC conference identifier.If the MRFC chooses to send a 183 (Session Progress) response prior to the 200 OK, then the conference identifier may also be included in the 183 (Session Progress) response.

> Editor's note: it is FFS how to identify the resources of the MRFC/MRFP.

5.8.4.1.2   MRFC-originating case

Void.

5.8.4.2   REFER

5.8.4.2.1   MRFC-terminating case

Void.

5.8.4.2.2   MRFC-originating case

Void.

5.8.4.2.3   REFER initiating a new session

Void.

5.8.4.2.4   REFER replacing an existing session

Void.

5.8.4.3   INFO

> Editor's Note: It has to be determined which of these requests can be handled in a generic way.

5.8.5   Further initial requests

When the MRFC responds to an OPTIONS request with a 200 (OK) response, the MRFC may include a message body with an indication of the supported tones/announcement packages, DTMF capabilities, supported codecs and conferencing options of the MRFC/MRFP.

> Editor's note: it is FFS how to identify the resources of the MRFC/MRFP.

CR-Form-v5

CHANGE REQUEST

⌘　　　　**24.229 CR 046**　　⌘**rev**　**-**　⌘　Current version: **5.0.0**　⌘

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

Proposed change affects: ⌘　(U)SIM ☐　ME/UE ☐　Radio Access Network ☐　Core Network ☐

Title: ⌘	Cleanup of request / response terminology - clause 6	
Source: ⌘	Lucent Technologies	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 28/03/02

Category: ⌘ **D**	***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)*

Reason for change: ⌘	Alignment of usage within document and with RFC 3261.
Summary of change: ⌘	Use of terms request and response where appropriate. Inclusion of the status code name where missing. Placing status code name in parentheses,
Consequences if not approved: ⌘	None

Clauses affected: ⌘	6.1, 6.2, 6.3, 6.4.1, 6.4.2

Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications	

Other comments: ⌘	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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   Application usage of SDP

6.1   Procedures at the UE

Usage of SDP by the UE:

1. An INVITE request generated by a UE may contain SDP payload. In case preconditions will be used for session setup then SDP payload shall be present. The SDP payload shall reflect the UE#1's terminal capabilities and user preferences for the session.

    Editor's Note: The requirements for SDP payload in the case of Optimised Voice Mode are FFS.

2. The first 183 (Session Progress) provisional response sent out shall contain SDP information. The SDP payload shall reflect UE#2's terminal capabilities and user preferences.

    Editor's Note: The case/action_needed when a UE generates a 183 response without SDP payload is FFS.

3. When UE sends out an 183 (Session Progress) response with SDP payload, it shall indicate the support for preconditions and in addition request confirmation for the result of the resource reservation at the originating end point.

4. UE shall include SDP in the PRACK request for acknowledging the 183 (Session Progress) response if the codec negotiation during the INVITE request and 183 (Session Progress) response resulted in more than one codec per media line. It is recommended not to include any SDP payload if the SDP payload in the 183 (Session Progress) response contains only one codec information for each media line.

5. After the initial SDP has been sent the subsequent SDPs sent by the UE shall only contain a subset of the media descriptions of the initial SDP. In order to modify the media descriptors a reINVITE request shall be used.

6. If Resource Reservation has been finished before sending the 200 (OK) response for INVITE request, then it shall contain the SDP payload that reflects the reserved resources on the radio interface.

7. During session establishment procedure, SIP messages shall only contain SDP payload if that is intended to modify the session description.

8. For "video" and "audio" media types that utilize the RTP/RTCP, the UE shall specify the proposed bandwidth for each media stream utilizing the "b=" media descriptor in the SDP. For other media streams the "b=" media descriptor may be included. The value or absence of the "b=" parameter will affect the assigned QoS which is defined in 3GPP TS 29.208 [11].

9. The UE shall include the DTMF media format at the end of the "m=" media descriptor in the SDP for audio media flows that support both audio codec and DTMF payloads in RTP packets as described in RFC 2833 [17].

6.2   Procedures at the P-CSCF

When the P-CSCF receives an INVITE request or reINVITE request, the P-CSCF shall examine the media parameters in the received SDP, and remove those which are not allowed on the network by local policy. The P-CSCF will also remove those codecs from the approved media streams which are not allowed by local policy. If the P-CSCF modifies the SDP, it shall also revise the SDP to reflect the modified bandwidth requirements. For the rejected media streams, the P-CSCF should ignore the b= lines.

6.3   Procedures at the S-CSCF

When the S-CSCF receives an INVITE request or reINVITE request, the S-CSCF shall examine the media parameters in the received SDP, and remove those media streams which are not allowed based on the subscription. The S-CSCF will also remove those codecs from the approved media streams which are not allowed by the subscription. If the S-CSCF modifies the SDP, it shall also revise the SDP to reflect the modified bandwidth requirements. For the rejected media streams, the S-CSCF should ignore the b= lines.

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.

6.4.1   Calls originating from circuit-switched networks

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);

- set the "t" field with the <stop time> set to zero, which indicates an unbounded session;

- set the "a:qos" attribute with the values of "mandatory" and "sendrecv".

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.

Editor's note: the current 3GPP TS 24.228 call flow in 7.2.4.1 shows the use of Final SDP in the PRACK. Should that example be changed to align with the offer/answer model that does not include SDP in the PRACK? Will there be a requirement for the UE to only select one codec? Or, should the MGCF procedures allow for the possibility that the UE sends multiple codecs and that the MGCF selects the codec and includes the result in the SDP in the PRACK?

6.4.2   Calls terminating in circuit-switched networks

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;

- set the "t" field with the <stop time> set to zero, which indicates an unbounded session;

- set the "a:qos" attribute with the values of "mandatory", "sendrecv" and "confirm".

Editor's note: the current 3GPP TS 24.228 call flow in 7.4.4.1 shows the use of Final SDP in the PRACK. Should that example be changed to align with the offer/answer model that does not include SDP in the PRACK?

6.5   Procedures at the MRFC

Void.

was N1-021057

was N1-020837

CR-Form-v5

CHANGE REQUEST

| ⌘ | **24.229** CR **047** | ⌘**rev** **2** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘   (U)SIM ☐   ME/UE ☐   Radio Access Network ☐   Core Network ☐

Title: ⌘	Simplification of profile tables	
Source: ⌘	Lucent Technologies	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 28/03/02

Category: ⌘ **D**   **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)*

Reason for change: ⌘	In annex A, a number of headers are common to all the response tables in each method. A simplification of the representation can be obtained by placing these common headers in each method in a separate table for each method.

The contribution also covers the issue of a number of status-codes that do not currently appear, as they have no special headers defined for their action. |
| ***Summary of change:*** ⌘ | -   The table for status-code 100 is moved to the front of all the response tables for each individual method, as this table is sufficiently different as to not be amenable to this approach

-   A new table is created for each method, containing all the headers where the content is common for all the remaining response tables. This table is entitled " Supported headers within the xxx response - all remaining status-codes" |
| ***Consequences if not approved:*** ⌘ | This proposal causes no technical change. However, it does remove significant duplicated material from the document, and therefore greatly enhances the maintainability of the tables. Therefore if this change is not approved, there is an increased probability of the introduction of errors in the future. |

Clauses affected: ⌘	Annex A.2

Other specs affected: ⌘	☐ Other core specifications ⌘	
	☐ Test specifications	
	☐ O&M Specifications	

Other comments:	⌘	Content-Language and MIME-Version have not been handled in CANCEL, as these headers appear there erroneously and a separate CR is required to remove them.
		There is a possibility that a number of other headers could also be transferred to the new tables. This requires further analysis, but should in principle be performed.
		This CR does not renumber the items. There is no reason why this should not occur.
		Revision 1 of this CR produced to take account of interactions with CR025, thus the clause references to RFC 3261 are updated in the moved headers. This CR also takes on board interactions with CR057 dealing with editorial changes to annex A. A small number of header deletions that were missed in the first version of this CR have been provided.
		Revision 2 created to deal with interactions with CR058, thus the Timestamp header in the new general REGISTER response table has been modified.

How to create CRs using this form:

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

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

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

A.2.1 User agent role

A.2.1.1 Introduction

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

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

A.2.1.2 Major capabilities

Table A.3: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for registration?	[20]	m	m
2	server behaviour for registration?	[20]	n/a	n/a
3	registrar?	[20]	n/a	n/a
4	client behaviour for session requests?	[20]	m	o
5	server behaviour for session requests?	[20]	m	o
6	session release?	[20]	m	c1
7	timestamping of requests?	[20]	o	o
8	authentication between UA and UA?	[20] subclause 22.4	o	o
9	authentication between UA and registrar?	[20] subclause 22.4	o	n/a
10	insertion of date in requests and responses?	[20] subclause 24.17	o	o
11	downloading of alerting information?	[20] subclause 22.4	o	o
	Extensions			
12	The SIP INFO method?	[19]	o	n/a
13	Reliability of provisional responses in SIP?	[21]	o	m
14	SIP caller preferences and callee capabilities?	[24]	o	o
15	the REFER method?	[25]	o	o
16	The SIP session timer?	[26]	o	o
17	Integration of resource management and SIP?	[22]	o	m
18	SIP extensions for caller identity and privacy?	[27]	o	m
19	SIP extensions for supporting distributed call state?	[28]	o	o
20	SIP extensions for media authorization?	[29]	o	m
21	SIP specific event notification	[23]	o	o
22	acting as the notifier of event information	[23]	c2	c2
23	acting as the recipient of event information	[23]	c2	c2
c1:	IF A.3/4 OR A.3/5 THEN m ELSE o.			
c2:	IF A.3/21 THEN o.1 ELSE n/a.			
o.1:	At least one of these capabilities is supported.			

A.2.1.3 PDUs

Table A.4: Supported methods

Item	PDU	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	ACK request	[20] 13	m	m	[20] 13	m	m
2	BYE request	[20] 15.1	o		[20] 15.1	o	
3	BYE response	[20] 15.1	o		[20] 15.1	o	
4	CANCEL request	[20] 16.9	o		[20] 16.9	o	
5	CANCEL response	[20] 16.9	o		[20] 16.9	o	
6	COMET request	[22] 5	o		[22] 5	o	
7	COMET response	[22] 5	o		[22] 5	o	
8	INFO request	[19] 2	c2	n/a	[19] 2	c2	n/a
9	INFO response	[19] 2	c2	n/a	[19] 2	c2	n/a
10	INVITE request	[20] 13	m	m	[20] 13	m	m
11	INVITE response	[20] 13	m	m	[20] 13	m	m
12	NOTIFY request	[23] 7.4.2	c4	c4	[23] 7.4.2	c3	c3
13	NOTIFY response	[23] 7.4.2	c3	c3	[23] 7.4.2	c4	c4
14	OPTIONS request	[20] 11	m	m	[20] 11	m	m
15	OPTIONS response	[20] 11	m	m	[20] 11	m	m
16	PRACK request	[21] 6	c5	c5	[21] 6	c5	c5
17	PRACK response	[21] 6	c5	c5	[21] 6	c5	c5
18	REFER request	[25] 3	c1	c1	[25] 3	c1	c1
19	REFER response	[25] 3	c1	c1	[25] 3	c1	c1
20	REGISTER request	[20] 10	o		[20] 10	n/a	
21	REGISTER response	[20] 10	n/a		[20] 10	m	
22	SUBSCRIBE request	[23] 7.4.1	c3	c3	[23] 7.4.1	c4	c4
23	SUBSCRIBE response	[23] 7.4.1	c4	c4	[23] 7.4.1	c3	c3
c2:	IF A.3/12 THEN m ELSE n/a.						
c1:	IF A.3/15 THEN m ELSE n/a.						
c3:	IF A.3/23 THEN m ELSE n/a.						
c4:	IF A.3/22 THEN m ELSE n/a.						
c5:	IF A.3/13 THEN m ELSE n/a - - reliability of provisional responses.						

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.5: Supported status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	"100" Trying	[20] 23.1.1	n/a	n/a	[20] 23.1.1	m	m
2	"180" Ringing	[20] 23.1.2	c2	c2	[20] 23.1.2	c1	c1
3	"181" Call Is Being Forwarded	[20] 23.1.3	c2	c2	[20] 23.1.3	c1	c1
4	"182" Queued	[20] 23.1.4	c2	c2	[20] 23.1.4	c1	c1
5	"183" Session Progress	[20] 23.1.5	c1	c1	[20] 23.1.5	c1	c1
6	"200" OK						
7	"202" Accepted	[23] 7.6.1	c3	c3	[23] 7.6.1	c3	c3
8	"300" Multiple Choices						
9	"301" Moved Permanently						
10	"302" Moved Temporarily						
11	"305" Use Proxy						
12	"380" Alternative Service						
13	"400" Bad Request						
14	"401" Unauthorized						
15	"402" Payment Required						
16	"403" Forbidden						
17	"404" Not Found						
18	"405" Method Not Allowed						
19	"406" Not Acceptable						
20	"407" Proxy Authentication Required						
21	"408" Request Timeout						
22	"409" Conflict						
23	"410" Gone						
24	"411" Length Required						
25	"413" Request Entity Too Large						
26	"414" Request-URI Too Large						
27	"415" Unsupported Media Type						
28	"420" Bad Extension						
29	"421" Extension Required"						
30	"423" Registration Too Brief	[20] 25.4.17	c4	c4	[20] 25.4.17	m	m
31	"480" Temporarily not available						
32	"481" Call Leg/Transaction Does Not Exist						
33	"482" Loop Detected						
34	"483" Too Many Hops						
35	"484" Address Incomplete						
36	"485" Ambiguous						
37	"486" Busy Here						
38	"487" Request Cancelled						
39	"488" Not Acceptable Here						
40	"489" Bad Events	[23] 7.6.2	c3	c3	[23] 7.6.2	c3	c3
41	"500" Internal Server Error						
42	"501" Not Implemented						
43	"502" Bad Gateway						
44	"503" Service Unavailable						
45	"504" Gateway Time-out						
46	"505" SIP Version not supported						
47	"580" Precondition Failure						

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
48	"600" Busy Everywhere						
49	"603" Decline						
50	"604" Does not exist anywhere						
51	"606" Not Acceptable						
c1:	IF A.4/11 THEN m ELSE n/a.						
c2:	IF A.4/11 THEN o ELSE n/a.						
c3:	IF A.3/21 THEN m ELSE n/a.						
c4:	IF A.4/21 OR A.4/23 THEN m ELSE n/a - - REGISTER response or SUBSCRIBE response.						

A.2.1.4.2 ACK method

Prerequisite A.4/1 – ACK request

Table A.6: Supported headers within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	o		[20] 24.5	o	
2	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
3	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Contact	[20] 24.10	o		[20] 24.10	o	
6	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
17	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29	n/a	n/a
18	Record-Route	[20] 24.31	o	o	[20] 24.31	m	m
19	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
20	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
21	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
22	State	[28] 5.1	o		[28] 5.1	o	
23	Timestamp	[20] 24.40	c7	c7	[20] 24.40	m	m
24	To	[20] 24.41	m	m	[20] 24.41	m	m
25	User-Agent	[20] 24.43	o		[20] 24.43	o	
26	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/7 THEN o ELSE n/a.						

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

Table A.7: 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.4/2 – BYE request

Table A.8: Supported headers within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
19	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
20	Record-Route	[20] 24.31	o		[20] 24.31	o	
21	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
22	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
23	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
24	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
25	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
26	State	[28] 5.1	o		[28] 5.1	o	
27	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 7.1	m	m
28	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
29	To	[20] 24.41	m	m	[20] 24.41	m	m
30	User-Agent	[20] 24.43	o		[20] 24.43	o	
31	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.9: Supported message bodies within the BYE request

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

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/1 – 100 Trying

Table A.9A: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	n/a	n/a	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	n/a	n/a	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	n/a	n/a	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	n/a	n/a	[20] 24.1720.17	m	m
5	From	[20] 24.2020.20	n/a	n/a	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	n/a	n/a	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	n/a	n/a	[20] 24.4420.42	m	m

Prerequisite A.4/3 – BYE response

Table A.9B: Supported headers within the BYE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
9	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
20	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
22	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite A.5/27 -- "415" Unsupported Media Type

Table A.10: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m

~~10~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~11~~	~~Date~~	~~[20] 24.17~~	~~c1~~	~~c1~~	~~[20] 24.17~~	~~m~~	~~m~~
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
~~13~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~14~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
~~19~~	~~Timestamp~~	~~[20] 24.40~~	~~m~~	~~m~~	~~[20] 24.40~~	~~c2~~	~~c2~~
~~20~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~22~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
23	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.3/10 THEN o ELSE n/a.~~						
~~c2:~~	~~IF A.3/7 THEN m ELSE n/a.~~						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/18 -- "405" Method Not Allowed

Table A.11: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
~~2~~	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
~~3~~	~~Content-Disposition~~	~~[20] 24.11~~	~~o~~		~~[20] 24.11~~	~~o~~	
~~4~~	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
~~5~~	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	
~~6~~	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
~~7~~	~~Content-Type~~	~~[20] 24.15~~	~~m~~	~~m~~	~~[20] 24.15~~	~~m~~	~~m~~
~~8~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~9~~	~~Date~~	~~[20] 24.17~~	~~c1~~	~~c1~~	~~[20] 24.17~~	~~m~~	~~m~~
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
~~11~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~12~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
~~17~~	~~Timestamp~~	~~[20] 24.40~~	~~m~~	~~m~~	~~[20] 24.40~~	~~c2~~	~~c2~~
~~18~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~20~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
21	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.3/10 THEN o ELSE n/a.~~						
~~c2:~~	~~IF A.3/7 THEN m ELSE n/a.~~						

Prerequisite A.4/3 - - BYE response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 - - 3xx or 485 "Ambiguous"

Table A.12: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 – 401

Table A.13: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	o		[20] 24.31	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 – 407

Table A.14: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/6 – 2xx

Table A.15: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	o		[20] 24.31	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/35 – 484

Table A.16: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	o		[20] 24.31	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/1 – 100 Trying

Table A.17: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/28 – 420

Table A.18: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/3 – BYE response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.19: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.20: 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.4/4 – CANCEL request

Table A.21: Supported headers within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
16	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
17	Record-Route	[20] 24.31	o		[20] 24.31	o	
18	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
19	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
20	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
21	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
22	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 7.1	m	m
25	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.22: Supported message bodies within the CANCEL request

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

Prerequisite A.4/5 – CANCEL response

Table A.22A: 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	[20] ~~24.8~~20.8	m	m	[20] ~~24.8~~20.8	m	m
3	Content-Length	[20] ~~24.14~~20.14	m	m	[20] ~~24.14~~20.14	m	m
4	Cseq	[20] ~~24.16~~20.16	m	m	[20] ~~24.16~~20.16	m	m
5	Date	[20] ~~24.17~~20.17	c1	c1	[20] ~~24.17~~20.17	m	m
7	From	[20] ~~24.20~~20.20	m	m	[20] ~~24.20~~20.20	m	m
14	Timestamp	[20] ~~24.40~~20.38	m	m	[20] ~~24.40~~20.38	c2	c2
15	To	[20] ~~24.41~~20.39	m	m	[20] ~~24.41~~20.39	m	m
17	Via	[20] ~~24.44~~20.42	m	m	[20] ~~24.44~~20.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/5 – CANCEL response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 – 401

Table A.23: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
~~1~~	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
~~3~~	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
~~4~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~5~~	~~Date~~	~~[20] 24.17~~	~~c1~~	~~c1~~	~~[20] 24.17~~	~~m~~	~~m~~
6	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
~~7~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
10	Record-Route	[20] 24.31	o		[20] 24.31	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	State	[28] 5.1	o		[28] 5.1	o	
13	Supported	[20] 24.39	m	m	[20] 24.39	m	m
~~14~~	~~Timestamp~~	~~[20] 24.40~~	~~m~~	~~m~~	~~[20] 24.40~~	~~c2~~	~~c2~~
~~15~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
16	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~17~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
18	Warning	[20] 24.45	o		[20] 24.45	o	
19	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
~~c1:~~	~~IF A.3/10 THEN o ELSE n/a.~~						
~~c2:~~	~~IF A.3/7 THEN m ELSE n/a.~~						

Prerequisite A.4/5 – CANCEL response

Prerequisite: A.5/6 – 200

Table A.24: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
6	From	[20] 24.20	m	m	[20] 24.20	m	m
7	MIME-Version	[20] 24.24	o		[20] 24.24	o	
8	Record-Route	[20] 24.31	o		[20] 24.31	o	
9	Require	[20] 24.33	m	m	[20] 24.33	m	m
10	State	[28] 5.1	o		[28] 5.1	o	
11	Supported	[20] 24.39	m	m	[20] 24.39	m	m
12	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
13	To	[20] 24.41	m	m	[20] 24.41	m	m
14	User-Agent	[20] 24.43	o		[20] 24.43	o	
15	Via	[20] 24.44	m	m	[20] 24.44	m	m
16	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/5 – CANCEL response

Prerequisite: A.5/35 – 484

Table A.25: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
6	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
7	From	[20] 24.20	m	m	[20] 24.20	m	m
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Record-Route	[20] 24.31	o		[20] 24.31	o	
10	Require	[20] 24.33	m	m	[20] 24.33	m	m
11	State	[28] 5.1	o		[28] 5.1	o	
12	Supported	[20] 24.39	m	m	[20] 24.39	m	m
13	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
14	To	[20] 22.37	m	m	[20] 22.37	m	m
15	User-Agent	[20] 24.43	o		[20] 24.43	o	
16	Via	[20] 24.44	m	m	[20] 24.44	m	m
17	Warning	[20] 24.45	o		[20] 24.45	o	

c1: IF A.3/10 THEN o ELSE n/a

c2: IF A.3/7 THEN m ELSE n/a

Prerequisite A.4/5 – CANCEL response

Prerequisite: A.5/28 – 420

Table A.26: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
6	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
7	From	[20] 24.20	m	m	[20] 24.20	m	m
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Require	[20] 24.33	m	m	[20] 24.33	m	m
10	State	[28] 5.1	o		[28] 5.1	o	
11	Supported	[20] 24.39	m	m	[20] 24.39	m	m
12	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
13	To	[20] 24.41	m	m	[20] 24.41	m	m
14	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
15	User-Agent	[20] 24.43	o		[20] 24.43	o	
16	Via	[20] 24.44	m	m	[20] 24.44	m	m
17	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/5 – CANCEL response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 – 404, 413, 480, 500, 503, 600, 603

Table A.27: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
6	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
7	From	[20] 24.20	m	m	[20] 24.20	m	m
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Require	[20] 24.33	m	m	[20] 24.33	m	m
10	State	[28] 5.1	o		[28] 5.1	o	
11	Supported	[20] 24.39	m	m	[20] 24.39	m	m
12	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
13	To	[20] 24.41	m	m	[20] 24.41	m	m
14	User-Agent	[20] 24.43	o		[20] 24.43	o	
15	Via	[20] 24.44	m	m	[20] 24.44	m	m
16	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.28: Supported message bodies within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1			3GPP				

A.2.1.4.5 COMET method

Prerequisite A.4/6 – COMET request

Table A.29: Supported headers within the COMET request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Contact	[20] 24.10	o		[20] 24.10	o	
9	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
10	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
11	Content-Language	[20] 24.13	o		[20] 24.13	o	
12	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
13	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
14	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
15	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
16	Expires	[20] 24.19	o		[20] 24.19	o	
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Organization	[20] 24.25	o		[20] 24.25	o	
21	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
22	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
23	Record-Route	[20] 24.31	o		[20] 24.31	o	
24	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
25	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
26	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
27	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
28	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
29	State	[28] 5.1	o		[28] 5.1	o	
30	Subject	[20] 24.38	o		[20] 24.38	o	
31	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 7.1	m	m
32	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
33	To	[20] 24.41	m	m	[20] 24.41	m	m
34	User-Agent	[20] 24.43	o		[20] 24.43	o	
35	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.30: Supported message bodies within the COMET request

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

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/1 – 100 Trying

Table A.30A: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] ~~24.8~~20.8	n/a	n/a	[20] ~~24.8~~20.8	m	m
2	Content-Length	[20] ~~24.14~~20.14	n/a	n/a	[20] ~~24.14~~20.14	m	m
3	Cseq	[20] ~~24.16~~20.16	n/a	n/a	[20] ~~24.16~~20.16	m	m
4	Date	[20] ~~24.17~~20.17	n/a	n/a	[20] ~~24.17~~20.17	m	m
5	From	[20] ~~24.20~~20.20	n/a	n/a	[20] ~~24.20~~20.20	m	m
6	To	[20] ~~24.41~~20.39	n/a	n/a	[20] ~~24.41~~20.39	m	m
7	Via	[20] ~~24.44~~20.42	n/a	n/a	[20] ~~24.44~~20.42	m	m

Prerequisite A.4/7 – COMET response

Table A.30B: Supported headers within the COMET response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
9	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
14	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
15	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
16	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
21	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
22	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
17	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/27 -- "415" Unsupported Media Type

Table A.31: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	

8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/18 -- "405" Method Not Allowed

Table A.32: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 – 3xx or 485 "Ambiguous"

Table A.33: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 – 3xx

Table A.34: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/20 – 407

Table A.35: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
24	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
25	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
26	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
27	Content-Language	[20] 24.13	o		[20] 24.13	o	
28	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
29	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
30	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
31	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
32	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
33	Expires	[20] 24.19	o		[20] 24.19	o	
34	From	[20] 24.20	m	m	[20] 24.20	m	m
35	MIME-Version	[20] 24.24	o		[20] 24.24	o	
36	Organization	[20] 24.25	o		[20] 24.25	o	
37	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
38	Require	[20] 24.33	m	m	[20] 24.33	m	m
39	Server	[20] 24.37	o	o	[20] 24.37	o	o
40	State	[28] 5.1	o		[28] 5.1	o	
41	Supported	[20] 24.39	m	m	[20] 24.39	m	m
42	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
43	To	[20] 24.41	m	m	[20] 24.41	m	m
44	User-Agent	[20] 24.43	o		[20] 24.43	o	
45	Via	[20] 24.44	m	m	[20] 24.44	m	m
46	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/6 – 2xx

Table A.36: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Record-Route	[20] 24.31	o		[20] 24.31	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/1 – 100 Trying

Table A.37: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/28 – 420

Table A.38: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/7 – COMET response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.39: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Retry-After	[20] 24.3424.34	o	o	[20] 24.34	o	o
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.40: Supported message bodies within the COMET response

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

A.2.1.4.6 INFO method

Prerequisite A.4/8 – INFO request

Table A.41: Supported headers within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m		[20] 24.8	m	
8	Contact	[20] 24.10	o		[20] 24.10	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Priority	[20] 24.26	o	o	[20] 24.26	o	o
19	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
20	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
21	Record-Route	[20] 24.31	o		[20] 24.31	o	
22	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
23	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
24	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
25	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
26	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
27	State	[28] 5.1	o		[28] 5.1	o	
28	Subject	[20] 24.38	o		[20] 24.38	o	
29	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 5, [28] 3	m	m
30	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.42: Supported message bodies within the INFO request

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

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/1 – 100 Trying

Table A.42A: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] ~~10~~20.8	n/a	n/a	[20] ~~10~~20.8	m	m
2	Content-Length	[20] ~~10~~20.14	n/a	n/a	[20] ~~10~~20.14	m	m
3	Cseq	[20] ~~24.16~~20.16	n/a	n/a	[20] ~~24.16~~20.16	m	m
4	Date	[20] ~~10~~20.17	n/a	n/a	[20] ~~10~~20.17	m	m
5	From	[20] ~~24.20~~20.20	n/a	n/a	[20] ~~24.20~~20.20	m	m
6	To	[20] ~~24.41~~20.39	n/a	n/a	[20] ~~24.41~~20.39	m	m
7	Via	[20] ~~24.44~~20.42	n/a	n/a	[20] ~~24.44~~20.42	m	m

Prerequisite A.4/9 – INFO response

Table A.42B: 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	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
3	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
4	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
5	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
6	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
9	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
10	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
15	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
16	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
18	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/27 -- "415" Unsupported Media Type @@@ combine

Table A.43: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Server	[20] 24.37	o	o	[20] 24.37	o	o
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	m	m

15	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/18 -- "405" Method Not Allowed

Table A.44: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
5	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
6	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
7	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
8	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
9	Expires	[20] 24.19	o		[20] 24.19	o	
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	Organization	[20] 24.25	o		[20] 24.25	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 – 3xx or 485 "Ambiguous" @@@ combine

Table A.45: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Server	[20] 24.37	o	o	[20] 24.37	o	o
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	m	m
15	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/14 – 401

Table A.46: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Server	[20] 24.37	o	o	[20] 24.37	o	o
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	m	m
15	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
20	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 – 3xx

Table A.47: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Server	[20] 24.37	o	o	[20] 24.37	o	o
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	m	m
15	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/6 – 2xx

Table A.48: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
5	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
6	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
7	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Record-Route	[20] 24.31	o		[20] 24.31	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 - - INFO response

Prerequisite: A.5/35 - - 484

Table A.49: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Server	[20] 24.37	o	o	[20] 24.37	o	o
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	m	m
15	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 - INFO response

Prerequisite: A.5/1 – 100 Trying

Table A.50: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 10.8	n/a	n/a	[20] 10.8	m	m
2	Content-Length	[20] 10.14	n/a	n/a	[20] 10.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 10.17	n/a	n/a	[20] 10.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/28 – 420

Table A.51: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 10.8	m	m	[20] 10.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 10.14	m	m	[20] 10.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 10.17	c1	c1	[20] 10.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Server	[20] 24.37	o	o	[20] 24.37	o	o
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	m	m
15	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/9 – INFO response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 – 404, 413, 480, 486, 500, 503, 600, 603

Table A.52: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 10.8	m	m	[20] 10.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 10.14	m	m	[20] 10.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 10.17	c1	c1	[20] 10.17	m	m
7	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	m	m
12	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.53: 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.4/10 – INVITE request

Table A.54: Supported headers within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Alert-Info	[20] 24.4	o	o	[20] 24.4	c1	c1
6	Allow	[20] 24.5, [20] 5.1	o		[20] 24.5,[20] 5.1	o	
7	Allow-Events	[23] 7.5.2	c2	c2	[23] 7.5.2	c2	c2
8	Anonymity	[27] 5.2	o		[27] 5.2		
9	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
10	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
11	Call-Info	[20] 24.9	o		[20] 24.9	o	
12	Contact	[20] 24.10	m		[20] 24.10	m	
13	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
14	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
15	Content-Language	[20] 24.13	o		[20] 24.13	o	
16	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
17	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
18	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
19	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
20	Expires	[20] 24.19	o		[20] 24.19	o	
21	From	[20] 24.20	m	m	[20] 24.20	m	m
22	In-Reply-To	[20] 24.21	o	o	[20] 24.21	o	o
23	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
24	MIME-Version	[20] 24.24	o		[20] 24.24	o	
25	Organization	[20] 24.25	o		[20] 24.25	o	
26	Priority	[20] 24.26	o	o	[20] 24.26	o	o
27	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
28	Proxy-Require	[20] 24.29, [26] 4, [27] 4	c5	c5	[20] 24.29, [26] 4, [27] 4, [28] 3	n/a	n/a
29	Record-Route	[20] 24.31	o		[20] 24.31	o	
30	Referred-By	[25] 3.3	c6	c6	[25] 3.3	c7	c7
31	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
32	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
33	Reply-To	[20] 24.32	o	o	[20] 24.32	o	o
34	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
35	Require	[20] 24.33, [26] 4, [28] 3	c8	o	[20] 24.33, [26] 4, [28] 3	m	m
36	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
37	Session expires	[26] 3	o		[26] 3	o	
38	State	[28] 5.1	o		[28] 5.1	o	
39	Subject	[20] 24.38	o		[20] 24.38	o	

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
40	Supported	[20] 24.39, [26] 7.1, [28] 5	c9	m	[20] 24.39, [26] 7.1, [28] 5	m	m
41	Timestamp	[20] 24.40	c10	c10	[20] 24.40	m	m
42	To	[20] 24.41	m	m	[20] 24.41	m	m
43	User-Agent	[20] 24.43	o		[20] 24.43	o	
44	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/11 THEN m ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/18 THEN m ELSE o -- (note).						
c6:	IF A.3/15 THEN o ELSE n/a.						
c7:	IF A.3/15 THEN m ELSE n/a.						
c8:	IF A.3/13 THEN o.1 ELSE o -- Reliable transport.						
c9:	IF A.3/16 OR A.3/19 THEN m ELSE IF A.3/13 THEN o.1 ELSE o -- support of timer or state extension, support of reliable transport.						
c10:	IF A.3/7 THEN o ELSE n/a.						
o.1:	At least one of these shall be supported.						
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.						

Table A.55: Supported message bodies within the INVITE request

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

Prerequisite A.4/11 – ~~BYE~~ INVITE response

Prerequisite: A.5/1 – 100 Trying

Table A.55A: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] ~~24.8~~20.8	n/a	n/a	[20] ~~24.8~~20.8	m	m
2	Content-Length	[20] ~~24.14~~20.14	n/a	n/a	[20] ~~24.14~~20.14	m	m
3	Cseq	[20] ~~24.16~~20.16	n/a	n/a	[20] ~~24.16~~20.16	m	m
4	Date	[20] ~~24.17~~20.17	n/a	n/a	[20] ~~24.17~~20.17	m	m
5	From	[20] ~~24.20~~20.20	n/a	n/a	[20] ~~24.20~~20.20	m	m
6	To	[20] ~~24.41~~20.39	n/a	n/a	[20] ~~24.41~~20.39	m	m
7	Via	[20] ~~24.44~~20.42	n/a	n/a	[20] ~~24.44~~20.42	m	m

Prerequisite A.4/11 – INVITE response

Table A.55B: Supported headers within the INVITE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
5	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
7	Content-Disposition	[20] 24.1120.11, [22] 8.3	o		[20] 24.1120.11, [22] 8.3	o	
8	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
9	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
10	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
11	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
12	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
13	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
16	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
18	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
26	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
27	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
29	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/27 -- "415" Unsupported Media Type

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	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Anonymity	[27] 5.2	o		[27] 5.2		
5	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
6	Call-Info	[20] 24.9	o		[20] 24.9	o	

7	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
8	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
9	Content-Language	[20] 24.13	o		[20] 24.13	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
14	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
15	Expires	[20] 24.19	o		[20] 24.19	o	
16	From	[20] 24.20	m	m	[20] 24.20	m	m
17	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
18	MIME-Version	[20] 24.24	o		[20] 24.24	o	
19	Organization	[20] 24.25	o		[20] 24.25	o	
20	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
21	Require	[20] 24.33	m	m	[26] 5.2	m	m
22	Server	[20] 24.37	o	o	[20] 24.37	o	o
23	Session expires	[26] 3	o		[26] 3	o	
24	State	[28] 5.1	o		[28] 5.1	o	
25	Supported	[20] 24.39	m	m	[20] 24.39	m	m
26	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
27	To	[20] 24.41	m	m	[20] 24.41	m	m
28	User-Agent	[20] 24.43	o		[20] 24.43	o	
29	Via	[20] 24.44	m	m	[20] 24.44	m	m
30	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/18 -- "405" Method Not Allowed

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m		[20] 24.5	m/o	
3	Anonymity	[27] 5.2	o		[27] 5.2	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
13	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Organization	[20] 24.25	o		[20] 24.25	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	m	m
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/35 – 3xx or 485 "Ambiguous"

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Contact	[20] 24.10	o		[20] 24.10	o/m	
6	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
13	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Organization	[20] 24.25	o		[20] 24.25	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	m	m
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/14 – 401

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
19	Record-Route	[20] 24.31	o		[20] 24.31	o	
20	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
21	Require	[20] 24.33	m	m	[20] 24.33	m	m
22	Server	[20] 24.37	o	o	[20] 24.37	o	o
23	Session expires	[26] 3	o		[26] 3	o	
24	State	[28] 5.1	o		[28] 5.1	o	
25	Supported	[20] 24.39	m	m	[20] 24.39	m	m
26	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
27	To	[20] 24.41	m	m	[20] 24.41	m	m
28	User-Agent	[20] 24.43	o		[20] 24.43	o	
29	Via	[20] 24.44	m	m	[20] 24.44	m	m
30	Warning	[20] 24.45	o		[20] 24.45	o	
31	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/20 – 407

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	m	m
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

3GPP

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/6 – 2xx

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	o		[20] 24.5	o	
3	Anonymity	[27] 5.2	o		[27] 5.2		
4	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
5	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
6	Call-Info	[20] 24.9	o		[20] 24.9	o	
7	Contact	[20] 24.10	m		[20] 24.10	m	
8	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
15	Expires	[20] 24.19	o		[20] 24.19	o	
16	From	[20] 24.20	m	m	[20] 24.20	m	m
17	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
18	MIME-Version	[20] 24.24	o		[20] 24.24	o	
19	Organization	[20] 24.25	o		[20] 24.25	o	
20	Record-Route	[20] 24.31	o		[20] 24.31	o	
21	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
22	Require	[20] 24.33	m	m	[20] 24.33	m	m
23	Server	[20] 24.37	o	o	[20] 24.37	o	o
24	Session expires	[26] 3	o		[26] 3	o	
25	State	[28] 5.1	o		[28] 5.1	o	
26	Supported	[20] 24.39	m	m	[20] 24.39	m	m
27	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
28	To	[20] 24.41	m	m	[20] 24.41	m	m
29	User-Agent	[20] 24.43	o		[20] 24.43	o	
30	Via	[20] 24.44	m	m	[20] 24.44	m	m
31	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/35 – 484

Table A.62: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Record-Route	[20] 24.31	o		[20] 24.31	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	m	m
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – BYE response

Prerequisite: A.5/1 – 100 Trying

Table A.63: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/11 – INVITE response

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

Table A.64: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Contact	[20] 24.10	o		[20] 24.10	o/m	
6	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	m	m
20	Rseq	[21] 7.1	c2	m	[21] 7.1	c3	m
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c4	c4
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/13 THEN o ELSE n/a - - reliability of provisional responses.						
c3:	IF A.3/13 THEN m ELSE n/a - - reliability of provisional responses.						
c4:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/28 – 420

Table A.65: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	m	m
20	Server	[20] 24.37	o	o	[20] 24.37	o	o
21	Session expires	[26] 3	o		[26] 3	o	
22	State	[28] 5.1	o		[28] 5.1	o	
23	Supported	[20] 24.39	m	m	[20] 24.39	m	m
24	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
25	To	[20] 24.41	m	m	[20] 24.41	m	m
26	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 600, 603

Table A.66: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	m	m
20	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/41 - - 500

Table A.67: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	m	m
20	Retry-After	[20] 24.34	m	m	[20] 24.34	o	o
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/11 – INVITE response

Prerequisite: A.5/44 - - 503

Table A.68: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	m	m
20	Retry-After	[20] 24.34	o	o	[20] 24.34	o	m
21	Server	[20] 24.37	o	o	[20] 24.37	o	o
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	m	m
25	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.69: Supported message bodies within the INVITE response

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

A.2.1.4.8 NOTIFY method

Prerequisite A.4/12 - - NOTIFY request

Table A.70: Supported headers within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
15	Event	[23] 7.5.1	m	m	[23] 7.5.1	m	m
16	From	[20] 24.20	m	m	[20] 24.20	m	m
17	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
18	MIME-Version	[20] 24.24	o		[20] 24.24	o	
19	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
20	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
21	Record-Route	[20] 24.31	o		[20] 24.31	o	
22	Referred-By	[20] 3.3	c5	c5	[20] 3.3	c6	c6
23	Reject-Contact	[20] 5.3	o		[20] 5.3	o	
24	Request-Disposition	[20] 5.5	o		[20] 5.5	o	
25	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
26	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
27	State	[28] 5.1	o		[28] 5.1	o	
28	Subscription-State	[23] 7.5.3	m	m	[23] 7.5.3	m	m
29	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 7.1	m	m
30	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.71: Supported message bodies within the NOTIFY request

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

Prerequisite A.4/13 - - NOTIFY response

Table A.71A: Supported headers within the NOTIFY response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] ~~24.8~~20.8	m	m	[20] ~~24.8~~20.8	m	m
8	Content-Length	[20] ~~24.14~~20.14	m	m	[20] ~~24.14~~20.14	m	m
9	Content-Type	[20] ~~24.15~~20.15	m	m	[20] ~~24.15~~20.15	m	m
5	Content-Disposition	[20] ~~24.11~~20.11	o		[20] ~~24.11~~20.11	o	
6	Content-Encoding	[20] ~~24.12~~20.12	o		[20] ~~24.12~~20.12	o	
7	Content-Language	[20] ~~24.13~~20.13	o		[20] ~~24.13~~20.13	o	
10	Cseq	[20] ~~24.16~~20.16	m	m	[20] ~~24.16~~20.16	m	m
11	Date	[20] ~~24.17~~20.17	c1	c1	[20] ~~24.17~~20.17	m	m
13	From	[20] ~~24.20~~20.20	m	m	[20] ~~24.20~~20.20	m	m
14	MIME-Version	[20] ~~24.24~~20.24	o		[20] ~~24.24~~20.24	o	
19	Timestamp	[20] ~~24.40~~20.38	m	m	[20] ~~24.40~~20.38	c2	c2
20	To	[20] ~~24.41~~20.39	m	m	[20] ~~24.41~~20.39	m	m
22	Via	[20] ~~24.44~~20.42	m	m	[20] ~~24.44~~20.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite A.5/27 -- "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	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
5	~~Content-Disposition~~	~~[20] 24.11~~	~~o~~		~~[20] 24.11~~	~~o~~	
6	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
7	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	
8	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
9	~~Content-Type~~	~~[20] 24.15~~	~~m~~	~~m~~	~~[20] 24.15~~	~~m~~	~~m~~

~~10~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~11~~	~~Date~~	~~[20] 24.17~~	~~c1~~	~~c1~~	~~[20] 24.17~~	~~m~~	~~m~~
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
~~13~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~14~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39[	m	m	[20] 24.39	m	m
~~19~~	~~Timestamp~~	~~[20] 24.40~~	~~m~~	~~m~~	~~[20] 24.40~~	~~c2~~	~~c2~~
~~20~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~22~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
23	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.3/10 THEN o ELSE n/a.~~						
~~c2:~~	~~IF A.3/7 THEN m ELSE n/a.~~						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/18 -- "405" Method Not Allowed

Table A.73: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
~~2~~	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
~~3~~	~~Content-Disposition~~	~~[20] 24.11~~	~~o~~		~~[20] 24.11~~	~~o~~	
~~4~~	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
~~5~~	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	
~~6~~	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
~~7~~	~~Content-Type~~	~~[20] 24.15~~	~~m~~	~~m~~	~~[20] 24.15~~	~~m~~	~~m~~
~~8~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~9~~	~~Date~~	~~[20] 24.17~~	~~c1~~	~~c1~~	~~[20] 24.17~~	~~m~~	~~m~~
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
~~11~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~12~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
~~17~~	~~Timestamp~~	~~[20] 24.40~~	~~m~~	~~m~~	~~[20] 24.40~~	~~c2~~	~~c2~~
~~18~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~20~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
21	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.3/10 THEN o ELSE n/a.~~						
~~c2:~~	~~IF A.3/7 THEN m ELSE n/a.~~						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 - - 3xx or 485 "Ambiguous"

Table A.74: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	ContentDisposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/14 - - 401

Table A.75: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	o		[20] 24.31	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/20 - - 407

Table A.76: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/6 and A.5/7 - - 2xx

Table A.77: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	o		[20] 24.31	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/35 - - 484

Table A.78: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	o		[20] 24.31	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/28 - - 420

Table A.79: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.80: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/13 - - NOTIFY response

Prerequisite: A.5/40 - - 489

Table A.81: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	m	m
2	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Table A.82: 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.4/14 – OPTIONS request

Table A.83: Supported headers within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	c2	c2	[20] 24.7	c2	c2
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Call-Info	[20] 24.9	o		[20] 24.9	o	
9	Contact	[20] 24.10	m		[20] 24.10	m	
10	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
11	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
12	Content-Language	[20] 24.13	o		[20] 24.13	o	
13	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
14	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
15	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
16	Date	[20] 24.17	c3	c3	[20] 24.17	m	m
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Organization	[20] 24.25	o		[20] 24.25	o	
21	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
22	Proxy-Require	[20] 24.29	o	o (note)	[20] 24.29, [28] 3	n/a	n/a
23	Record-Route	[20] 24.31	o		[20] 24.31	o	
24	Referred-By	[25] 3.3	c4	c4	[25] 3.3	c5	c5
25	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
26	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
27	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
28	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
29	State	[28] 5.1	o		[28] 5.1	o	
30	Supported	[20] 24.39, [26] 7.1	c6	c6	[20] 24.39, [26] 5, [28] 3	m	m
31	Timestamp	[20] 24.40	c7	c7	[20] 24.40	m	m
32	To	[20] 24.41	m	m	[20] 24.41	m	m
33	User-Agent	[20] 24.43	o		[20] 24.43	o	
34	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE n/a.						
c2:	IF A.3/8 THEN m ELSE n/a.						
c3:	IF A.3/10 THEN o ELSE n/a.						
c4:	IF A.3/15 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN m ELSE n/a.						
c6:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c7:	IF A.3/7 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.						

Table A.84: Supported message bodies within the OPTIONS request

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

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/1 – 100 Trying

Table A.84A: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] ~~24.8~~20.8	n/a	n/a	[20] ~~24.8~~20.8	m	m
2	Content-Length	[20] ~~24.14~~20.14	n/a	n/a	[20] ~~24.14~~20.14	m	m
3	Cseq	[20] ~~24.16~~20.16	n/a	n/a	[20] ~~24.16~~20.16	m	m
4	Date	[20] ~~24.17~~20.17	n/a	n/a	[20] ~~24.17~~20.17	m	m
5	From	[20] ~~24.20~~20.20	n/a	n/a	[20] ~~24.20~~20.20	m	m
6	To	[20] ~~24.41~~20.39	n/a	n/a	[20] ~~24.41~~20.39	m	m
7	Via	[20] ~~24.44~~20.42	n/a	n/a	[20] ~~24.44~~20.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Table A.84B: Supported headers within the OPTIONS response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
6	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
7	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
8	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
9	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
10	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
11	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
12	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
14	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
15	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
16	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
21	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
22	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
24	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF 0.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/27 -- "415" Unsupported Media Type

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	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Content-Disposition	[20] 24.11	o		[20] 24.11	o	

7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
13	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF 0.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/18 -- "405" Method Not Allowed

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m	m	[20] 24.5	m	m
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 – 3xx or 485 "Ambiguous"

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/14 – 401

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
25	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/20 – 407

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/6 – 2xx

Table A.90: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	o		[20] 24.5	o/m	
3	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
~~4~~	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Contact	[20] 24.10	o		[20] 24.10	o	
~~7~~	~~Content-Disposition~~	~~[20] 24.11~~	~~o~~		~~[20] 24.11~~	~~o~~	
~~8~~	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
~~9~~	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	
~~10~~	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
~~11~~	~~Content-Type~~	~~[20] 24.15~~	~~m~~	~~m~~	~~[20] 24.15~~	~~m~~	~~m~~
~~12~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~13~~	~~Date~~	~~[20] 24.17~~	~~c1~~	~~c1~~	~~[20] 24.17~~	~~m~~	~~m~~
~~14~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~15~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
~~16~~	~~Organization~~	~~[20] 24.25~~	~~o~~		~~[20] 24.25~~	~~o~~	
17	Record-Route	[20] 24.31	o		[20] 24.31	o	
18	Require	[20] 24.33	m	m	[20] 24.33	m	m
19	Server	[20] 24.37	o	o	[20] 24.37	o	o
20	State	[28] 5.1	o		[28] 5.1	o	
21	Supported	[20] 24.39	m	m	[20] 24.39	m	m
~~22~~	~~Timestamp~~	~~[20] 24.40~~	~~m~~	~~m~~	~~[20] 24.40~~	~~c2~~	~~c2~~
~~23~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
24	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~25~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
26	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.3/10 THEN o ELSE n/a.~~						
~~c2:~~	~~IF A.3/7 THEN m ELSE n/a.~~						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/35 – 484

Table A.91: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Record-Route	[20] 24.31	o		[20] 24.31	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/1 – 100 Trying

Table A.92: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 – OPTIONS response

Prerequisite: A.5/28 – 420

Table A.93: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/15 - - OPTIONS response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.94: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.95: 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.4/16 – PRACK request

Table A.96: Supported headers within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
19	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
20	RAck	[21] 7.2	m	m	[21] 7.2	m	m
21	Record-Route	[20] 24.31	o		[20] 24.31	o	
22	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
23	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
24	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
25	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
26	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
27	State	[28] 5.1	o		[28] 5.1	o	
28	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 7.1	m	m
29	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
30	To	[20] 24.41	m	m	[20] 24.41	m	m
31	User-Agent	[20] 24.43	o		[20] 24.43	o	
32	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.97: Supported message bodies within the PRACK request

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

Prerequisite A.4/17 - PRACK response

Prerequisite: A.5/1 – 100 Trying

Table A.97A: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	n/a	n/a	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	n/a	n/a	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	n/a	n/a	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	n/a	n/a	[20] 24.1720.17	m	m
5	From	[20] 24.2020.20	n/a	n/a	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	n/a	n/a	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	n/a	n/a	[20] 24.4420.42	m	m

Prerequisite A.4/17 – PRACK response

Table A.97B: Supported headers within the PRACK response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
6	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
20	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
22	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						

Prerequisite A.4/17 – PRACK response

Prerequisite: A.5/27 -- "415" Unsupported Media Type

Table A.98: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m

11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 – PRACK response

Prerequisite: A.5/18 -- "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	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 - - PRACK response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 - - 3xx or 485 "Ambiguous"

Table A.100: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 - - PRACK response

Prerequisite: A.5/14 - - 401

Table A.101: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	o		[20] 24.31	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 - - PRACK response

Prerequisite: A.5/20 - - 407

Table A.102: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 – PRACK response

Prerequisite: A.5/6 – 2xx

Table A.103: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	MIME-Version	[20] 24.24	o		[20] 24.24	o	
11	Record-Route	[20] 24.31	o		[20] 24.31	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 – PRACK response

Prerequisite: A.5/35 – 484

Table A.104: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	o		[20] 24.31	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 – PRACK response

Prerequisite: A.5/1 – 100 Trying

Table A.105: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/17 - PRACK response

Prerequisite: A.5/28 - 420@@@combine

Table A.106: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/17 – PRACK response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.107: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.108: 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.4/18 – REFER request

Table A.109: Supported headers within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
2	Accept-Language	[20] 24.3	o		[20] 24.3	o	
3	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
4	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
5	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
6	Contact	[20] 24.10	o		[20] 24.10	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
17	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
18	Record-Route	[20] 24.31	o		[20] 24.31	o	
19	Refer-To	[25] 3.3	m	m	[25] 3.3	m	m
20	Referred-By	[25] 3.3	m	m	[25] 3.3	m	m
21	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
22	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
23	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
24	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
25	State	[28] 5.1	o		[28] 5.1	o	
26	Supported	[20] 24.39, [20] 7.1	c5	c5	[20] 24.39, [20] 7.1	m	m
27	Timestamp	[20] 24.40	c6	c6	[20] 24.40	m	m
28	To	[20] 24.41	m	m	[20] 24.41	m	m
29	User-Agent	[20] 24.43	o		[20] 24.43	o	
30	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c6:	IF A.3/7 THEN o ELSE n/a.						

Table A.110: Supported message bodies within the REFER request

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

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/1 – 100 Trying

Table A.110A: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	n/a	n/a	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	n/a	n/a	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	n/a	n/a	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	n/a	n/a	[20] 24.1720.17	m	m
5	From	[20] 24.2020.20	n/a	n/a	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	n/a	n/a	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	n/a	n/a	[20] 24.4420.42	m	m

Prerequisite A.4/19 – REFER response

Table A.110A: Supported headers within the REFER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
6	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
7	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
8	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
9	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
10	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
15	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
20	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
21	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
23	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/27 -- "415" Unsupported Media Type

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	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m

10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/18 -- "405" Method Not Allowed

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m	m	[20] 24.5	m	m
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 - - REFER response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 - - 3xx or 485 "Ambiguous"@@@combine

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11OR A.5/12 – 401

Table A.114: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
24	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/20 – 407

Table A.115: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/7 - - 202

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	[20] 24.1	o		[20] 24.1	o	
2	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Record-Route	[20] 24.31	o		[20] 24.31	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/35 – 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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/1 – 100 Trying

Table A.118: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/19 – REFER response

Prerequisite: A.5/28 – 420

Table A.119: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/19 - - REFER response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.120: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.121: 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.4/20 - - REGISTER request

Table A.122: Supported headers within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c1	c1
5	Authorization	[20] 24.7	c2	n/a	[20] 24.7	c2	n/a
6	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
7	Call-Info	[20] 24.9	o		[20] 24.9	o	
8	Contact	[20] 24.10	m		[20] 24.10	m	
9	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
10	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
11	Content-Language	[20] 24.13	o		[20] 24.13	o	
12	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
13	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
14	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
15	Date	[20] 24.17	c3	c3	[20] 24.17	m	m
16	Expires	[20] 24.19	o		[20] 24.19	o	
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Organization	[20] 24.25	o		[20] 24.25	o	
21	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
22	Proxy-Require	[20] 24.29	o	o (note)	[20] 24.29, [28] 3	n/a	n/a
23	Record-Route	[20] 24.31	o		[20] 24.31	o	
24	Referred-By	[25] 3.3	c4	c4	[25] 3.3	c5	c5
25	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
26	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
27	Route	[20] 24.35	o	n/a	[20] 24.35	n/a	n/a
28	State	[28] 5.1	o		[28] 5.1	o	
29	Supported	[20] 24.39, [26] 7.1	c6	c6	[20] 24.39, [26] 7.1	m	m
30	Timestamp	[20] 24.40	m	m	[20] 24.40	c7	c7
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE n/a.						
c2:	IF A.3/9 THEN m ELSE n/a.						
c3:	IF A.3/10 THEN o ELSE n/a.						
c4:	IF A.3/15 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN m ELSE n/a.						
c6:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c7:	IF A.3/7 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..						

Table A.123: Supported message bodies within the REGISTER request

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

Prerequisite A.4/21 - - REGISTER response

Prerequisite: A.5/1 - - 100 Trying

Table A.123A: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	n/a	n/a	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	n/a	n/a	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	n/a	n/a	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	n/a	n/a	[20] 24.1720.17	m	m
5	From	[20] 24.2020.20	n/a	n/a	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	n/a	n/a	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	n/a	n/a	[20] 24.4420.42	m	m

Prerequisite A.4/21 – REGISTER response

Table A.123B: Supported headers within the REGISTER response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
6	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
7	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
8	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
9	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
10	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
11	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
12	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
15	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
17	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
16	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
22	Timestamp	[20] 24.4020.38	c2	c2	[20] 24.4020.38	m	m
23	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
25	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						

Prerequisite A.4/21 – REGISTER response

Prerequisite: A.5/27 -- "415" Unsupported Media Type

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	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	

8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
13	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
14	Expires	[20] 24.19	o	o	[20] 24.19	o	o
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Require	[20] 24.33	m	m	[20] 24.33	m	m
19	Server	[20] 24.37	o	o	[20] 24.37	o	o
20	State	[28] 5.1	o		[28] 5.1	o	
21	Supported	[20] 24.39	m	m	[20] 24.39	m	m
22	Timestamp	[20] 24.40	c2	c2	[20] 24.40	m	m
23	To	[20] 24.41	m	m	[20] 24.41	m	m
24	User-Agent	[20] 24.43	o		[20] 24.43	o	
25	Via	[20] 24.44	m	m	[20] 24.44	m	m
26	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/21 – REGISTER response

Prerequisite: A.5/18 -- "405" Method Not Allowed

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m		[20] 24.5	m	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 - - REGISTER response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 - - 3xx or 485 "Ambiguous"

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 – REGISTER response

Prerequisite: A.5/14 – 401

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Record-Route	[20] 24.31	o		[20] 24.31	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
26	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 – REGISTER response

Prerequisite: A.5/20 – 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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 – REGISTER response

Prerequisite: A.5/6 – 2xx

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	o		[20] 24.5	o	
3	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Contact	[20] 24.10	o		[20] 24.10	o	
7	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
8	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
9	Content-Language	[20] 24.13	o		[20] 24.13	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Record-Route	[20] 24.31	o		[20] 24.31	o	
19	Require	[20] 24.33	m	m	[20] 24.33	m	m
20	Server	[20] 24.37	o	o	[20] 24.37	o	o
21	State	[28] 5.1	o		[28] 5.1	o	
22	Supported	[20] 24.39	m	m	[20] 24.39	m	m
23	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
24	To	[20] 24.41	m	m	[20] 24.41	m	m
25	User-Agent	[20] 24.43	o		[20] 24.43	o	
26	Via	[20] 24.44	m	m	[20] 24.44	m	m
27	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 - - REGISTER response

Prerequisite: A.5/35 - - 484

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	[20] 24.1			[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Record-Route	[20] 24.31	o		[20] 24.31	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 - REGISTER response

Prerequisite: A.5/1 - 100 Trying

Table A.131: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	n/a	n/a	[20] 24.8	m	m
2	Content-Length	[20] 24.14	n/a	n/a	[20] 24.14	m	m
3	Cseq	[20] 24.16	n/a	n/a	[20] 24.16	m	m
4	Date	[20] 24.17	n/a	n/a	[20] 24.17	m	m
5	From	[20] 24.20	n/a	n/a	[20] 24.20	m	m
6	To	[20] 24.41	n/a	n/a	[20] 24.41	m	m
7	Via	[20] 24.44	n/a	n/a	[20] 24.44	m	m

Prerequisite A.4/21 - - REGISTER response

Prerequisite: A.5/28 - - 420

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Server	[20] 24.37	o	o	[20] 24.37	o	o
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	m	m
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 - - REGISTER response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/44 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.133: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Require	[20] 24.33	m	m	[20] 24.33	m	m
17	Retry-After	[20] 24.34	o	o	[20] 24.34	o	o
18	Server	[20] 24.37	o	o	[20] 24.37	o	o
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/21 - - REGISTER response

Prerequisite: A.5/30 - - 423

Table A.120a: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o		[20] 24.18	o	
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Min-Expires	[20] 24.23	m	m	[20] 24.23	m	m
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	o		[20] 24.37	o	
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Table A.134: 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.4/22 - - SUBSCRIBE request

Table A.135: Supported headers within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	c1	c1	[23] 7.5.2	c2	c2
6	Authorization	[20] 24.7	c3	c3	[20] 24.7	c3	c3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	c4	c4	[20] 24.17	m	m
15	Event	[23] 7.5.1	m	m	[23] 7.5.1	m	m
16	Expires	[20] 24.19	m	m	[20] 24.19	m	m
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
21	Proxy-Require	[20] 24.29	o	n/a	[20] 24.29, [28] 3	n/a	n/a
22	Record-Route	[20] 24.31	o		[20] 24.31	o	
23	Referred-By	[25] 3.3	c5	c5	[25] 3.3	c6	c6
24	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
25	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
26	Require	[20] 24.33, [28] 3	o	o	[20] 24.33, [28] 3	m	m
27	Route	[20] 24.35	m	m	[20] 24.35	n/a	n/a
28	State	[28] 5.1	o		[28] 5.1	o	
29	Supported	[20] 24.39, [26] 7.1	c7	c7	[20] 24.39, [26] 7.1	m	m
30	Timestamp	[20] 24.40	c8	c8	[20] 24.40	m	m
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN o ELSE n/a.						
c2:	IF A.3/21 THEN m ELSE n/a.						
c3:	IF A.3/8 THEN m ELSE n/a.						
c4:	IF A.3/10 THEN o ELSE n/a.						
c5:	IF A.3/15 THEN o ELSE n/a.						
c6:	IF A.3/15 THEN m ELSE n/a.						
c7:	IF A.3/16 THEN m ELSE o -- support of timer extension.						
c8:	IF A.3/7 THEN o ELSE n/a.						

Table A.136: Supported message bodies within the SUBSCRIBE request

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

Prerequisite A.4/23 - - SUBSCRIBE response

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

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
7	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	c1	c1	[20] 24.1720.17	m	m
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2	c2
20	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
22	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite A.5/27 -- "415" Unsupported Media Type

Table A.137: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m

Item	Header	[20] 24.16	m	m	[20] 24.16	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	o	o	[20] 24.37	o	o
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/18 -- "405" Method Not Allowed

Table A.138: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/8 OR A.5/9 OR A.5/10 OR A.5/11 OR A.5/12 OR A.5/36 - - 3xx or 485 "Ambiguous"

Table A.139: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/14 - - 401

Table A.140: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	o		[20] 24.31	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/20 - - 407

Table A.141: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/6 and A.5/7 - - 2xx

Table A.142: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
10	Expires	[20] 24.19	m	m	[20] 24.19	m	m
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Record-Route	[20] 24.31	o		[20] 24.31	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/35 - - 484

Table A.143: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	o		[20] 24.31	o	
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/28 - - 420

Table A.144: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Server	[20] 24.37	o	o	[20] 24.37	o	o
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	m	m
16	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	Unsupported	[20] 24.42	m	m	[20] 24.42	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/17 OR A.5/25 OR A.5/31 OR A.5/37 OR A.5/41 OR A.5/48 OR A.5/49 - - 404, 413, 480, 486, 500, 600, 603

Table A.145: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Retry-After	[20] 24.34	o		[20] 24.34	o	
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/44 - - 503

Table A.146: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	m	m
13	Retry-After	[20] 24.34	o	o	[20] 24.34	o	m
14	Server	[20] 24.37	o	o	[20] 24.37	o	o
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/40 - - 489

Table A.147: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	m	m
2	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o	o	[20] 24.18	o	o
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	o	o	[20] 24.37	o	o
16	State	[28] 5.1	o		[28] 5.1	o	
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN o ELSE n/a.						

Prerequisite A.4/23 - - SUBSCRIBE response

Prerequisite: A.5/30 - - 423

Table A. 148: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	c1	c1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	o		[20] 24.18	o	
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Min-Expires	[20] 24.23	m	m	[20] 24.23	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	m	m
14	Server	[20] 24.37	o		[20] 24.37	o	
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	m	m
17	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/10 THEN o ELSE n/a.						
c2:	IF A.3/7 THEN m ELSE n/a.						

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.2.2   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.150: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for registration?	[20]	m	m
2	server behaviour for registration?	[20]	m	m
3	registrar?	[20]	o	
4	client behaviour for session requests?	[20]	m	m
5	server behaviour for session requests?	[20]	m	m
6	session release?	[20]	m	m
7	Stateless proxy behaviour?	[20]	o.1	
8	Stateful proxy behaviour?	[20]	o.1	
9	insertion of date in requests and responses	[20] 24.17	o	o
10	suppression or modification of alerting information data	[20] 22.4	o	o
11	reading the contents of the Require header before proxying the request or response	[20] 24.33	o	o
12	adding or modifying the contents of the Require header before proxying the REGISTER request or response	[20] 24.33	o	m
13	adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER	[20] 24.33	o	o
14	reading the contents of the Supported header before proxying the response	[20] 24.39	o	o
15	reading the contents of the Unsupported header before proxying the 420 response to a REGISTER	[20] 24.42	o	m
16	reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER	[20] 24.42	o	o
17	the inclusion of the Error-Info header in 3xx - 6xx responses	[20] 24.42	o	o
	Extensions			
18	The SIP INFO method?	[19]	o	o
19	Reliability of provisional responses in SIP?	[21]	o	m
20	SIP caller preferences and callee capabilities?	[24]	o	o
21	the REFER method?	[25]	o	o
22	The SIP session timer?	[26]	o	o
23	Integration of resource management and SIP?	[22]	o	m
24	SIP extensions for caller identity and privacy?	[27]	o	m
25	SIP extensions for supporting distributed call state?	[28]	o	o
26	SIP extensions for media authorization?	[29]	o	m
27	SIP specific event notification	[23]	o	o
o.1:	It is mandatory to support at least one of these items.			

## A.2.2.3	PDUs

Table A.151: Supported methods

Item	PDU	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	ACK request	[20] 13	m	m	[20] 13	m	m
2	BYE request	[20] 15.1	o	m	[20] 15.1	o	m
3	BYE response	[20] 15.1	o	m	[20] 15.1	o	m
4	CANCEL request	[20] 16.9	o	m	[20] 16.9	o	m
5	CANCEL response	[20] 16.9	o	m	[20] 16.9	o	m
6	COMET request	[22] 5	o	m	[22] 5	o	m
7	COMET response	[22] 5	o	m	[22] 5	o	m
8	INFO request	[19] 2	c2	c2	[19] 2	c2	c2
9	INFO response	[19] 2	c2	c2	[19] 2	c2	c2
10	INVITE request	[20] 13	m	m	[20] 13	m	m
11	INVITE response	[20] 13	m	m	[20] 13	m	m
12	NOTIFY request	[23] 7.4.2	c3	c3	[23] 7.4.2	c3	c3
13	NOTIFY response	[23] 7.4.2	c3	c3	[23] 7.4.2	c3	c3
14	OPTIONS request	[20] 11	m	m	[20] 11	m	m
15	OPTIONS response	[20] 11	m	m	[20] 11	m	m
16	PRACK request	[21] 6	m	m	[21] 6	m	m
17	PRACK response	[21] 6	m	m	[21] 6	m	m
18	REFER request	[25] 3	c1	c1	[25] 3	c1	c1
19	REFER response	[25] 3	c1	c1	[25] 3	c1	c1
20	REGISTER request	[20] 10	m	m	[20] 10	m	m
21	REGISTER response	[20] 10	m	m	[20] 10	m	m
22	SUBSCRIBE request	[23] 7.4.1	c3	c3	[23] 7.4.1	c3	c3
23	SUBSCRIBE response	[23] 7.4.1	c3	c3	[23] 7.4.1	c3	c3
c1:	IF A.150/21 THEN m ELSE n/a.						
c2:	IF A.150/18 THEN m ELSE n/a.						
c3:	IF A.150/27 THEN m ELSE n/a.						

A.2.2.4 PDU parameters

A.2.2.4.1 Status-codes

Table A.152: Supported-status codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	"100" Trying	[20] 23.1.1	c1	c1	[20] 23.1.1	c2	c2
2	"180" Ringing	[20] 23.1.2	c3	c3	[20] 23.1.2	c3	c3
3	"181" Call Is Being Forwarded	[20] 23.1.3	c3	c3	[20] 23.1.3	c3	c3
4	"182" Queued	[20] 23.1.4	c3	c3	[20] 23.1.4	c3	c3
5	"183" Session Progress	[20] 23.1.5	c3	c3	[20] 23.1.5	c3	c3
6	"200" OK						
7	"202" Accepted	[23] 7.6.1	c4	c4	[23] 7.6.1	c4	c4
8	"300" Multiple Choices						
9	"301" Moved Permanently						
10	"302" Moved Temporarily						
11	"305" Use Proxy						
12	"380" Alternative Service						
13	"400" Bad Request						
14	"401" Unauthorized						
15	"402" Payment Required						
16	"403" Forbidden						
17	"404" Not Found						
18	"405" Method Not Allowed						
19	"406" Not Acceptable						
20	"407" Proxy Authentication Required						
21	"408" Request Timeout						
22	"409" Conflict						
23	"410" Gone						
24	"411" Length Required						
25	"413" Request Entity Too Large						
26	"414" Request-URI Too Large						
27	"415" Unsupported Media Type						
28	"420" Bad Extension						
29	"421" Extension Required"						
30	"423" Registration Too Brief	[20] 25.4.17	c5	c5	[20] 25.4.17	c6	c6
31	"480" Temporarily not available						
32	"481" Call Leg/Transaction Does Not Exist						
33	"482" Loop Detected						
34	"483" Too Many Hops						
35	"484" Address Incomplete						
36	"485" Ambiguous						
37	"486" Busy Here						
38	"487" Request Cancelled						
39	"488" Not Acceptable Here						
40	"489" Bad Events	[23] 7.6.2	c4	c4	[23] 7.6.2	c4	c4
41	"500" Internal Server Error						
42	"501" Not Implemented						
43	"502" Bad Gateway						
44	"503" Service Unavailable						
45	"504" Gateway Time-out						

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
46	"505" SIP Version not supported						
47	"580" Precondition Failure						
48	"600" Busy Everywhere						
49	"603" Decline						
50	"604" Does not exist anywhere						
51	"606" Not Acceptable						
c1:	IF A.150/8 THEN m ELSE n/a.						
c2:	IF A.150/8 THEN m ELSE i.						
c3:	IF A.151/11 THEN m ELSE n/a.						
c4:	IF A.150/27 THEN m ELSE n/a.						
c5:	IF A.151/21 OR A.151/23 THEN m ELSE n/a - - REGISTER response or SUBSCRIBE response.						
c6:	IF A.151/21 OR A.151/23 THEN i ELSE n/a - - REGISTER response or SUBSCRIBE response.						

A.2.2.4.2 ACK method

Prerequisite A.151/1 – ACK request

Table A.153: Supported headers within the ACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	o		[20] 24.5	o	
2	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
3	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Contact	[20] 24.10	o		[20] 24.10	o	
6	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
17	Proxy-Require	[20] 24.29	m	m	[20] 24.29	m	m
18	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
19	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
20	Require	[20] 24.33	m	m	[20] 24.33	c5	c5
21	Route	[20] 24.35	m	m	[20] 24.35	m	m
22	State	[28] 5.1	o		[28] 5.1	o	
23	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
24	To	[20] 24.41	m	m	[20] 24.41	m	m
25	User-Agent	[20] 24.43	o		[20] 24.43	o	
26	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 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.

Table A.154: 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.151/2 – BYE request

Table A.155: Supported headers within the BYE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
19	Proxy-Require	[20] 24.29, [[28]] 3	m	m	[20] 24.29, [[28]] 3	m	m
20	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
21	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
22	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
23	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
24	Require	[20] 24.33, [[28]] 3	m	m	[20] 24.33, [[28]] 3	c5	c5
25	Route	[20] 24.35	m	m	[20] 24.35	m	m
26	State	[28] 5.1	o		[28] 5.1	o	
27	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
28	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
29	To	[20] 24.41	m	m	[20] 24.41	m	m
30	User-Agent	[20] 24.43	o		[20] 24.43	o	
31	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.156: Supported message bodies within the BYE request

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

Prerequisite A.151/3 - - BYE response

Prerequisite: A.152/1 - - 100 Trying

Table A.156A: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
5	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/3 – BYE response

Table A.156B: Supported headers within the BYE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
9	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Timestamp	[20] 24.4020.38	o		[20] 24.4020.38	o	
20	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
22	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/3 – BYE response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.157: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m

11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	o		[20] 24.40	o	
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3 - - BYE response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.158: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3 - BYE response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - 3xx or 485 "Ambiguous"

Table A.159: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3 – BYE response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 - - 401

Table A.160: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	i	i
18	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3 – BYE response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 - - 407

Table A.161: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3 – BYE response

Prerequisite: A.152/6 – 2xx

Table A.162: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Authentication-Info	[20] 24.6	o		p	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3 - - BYE response

Prerequisite: A.152/35 - - 484

Table A.163: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/3   BYE response

Prerequisite: A.152/1   100 Trying

Table A.164: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/3 - - BYE response

Prerequisite: A.152/28 - - 420

Table A.165: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/3 - - BYE response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.166: Supported headers within the BYE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.167: 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.151/4 – CANCEL request

Table A.168: Supported headers within the CANCEL request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
16	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
17	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
18	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
19	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
20	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
21	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
22	Route	[20] 24.35	m	m	[20] 24.35	m	m
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
25	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.169: Supported message bodies within the CANCEL request

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

Prerequisite A.151/5 - - CANCEL response

Table A.169A: 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	[20] 24.820.8	m	m	[20] 24.820.8	m	m
3	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
4	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
5	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
7	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	i	i
15	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
17	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/5 - - CANCEL response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 - - 401

Table A.170: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
6	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
7	From	[20] 24.20	m	m	[20] 24.20	m	m
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
10	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	State	[28] 5.1	o		[28] 5.1	o	
13	Supported	[20] 24.39	m	m	[20] 24.39	i	i
14	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
15	To	[20] 24.41	m	m	[20] 24.41	m	m
16	User-Agent	[20] 24.43	o		[20] 24.43	o	
17	Via	[20] 24.44	m	m	[20] 24.44	m	m
18	Warning	[20] 24.45	o		[20] 24.45	o	
19	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/5 - - CANCEL response

Prerequisite: A.152/6 - - 200

Table A.171: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	p	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
6	From	[20] 24.20	m	m	[20] 24.20	m	m
7	MIME-Version	[20] 24.24	o		[20] 24.24	o	
8	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
9	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
10	State	[28] 5.1	o		[28] 5.1	o	
11	Supported	[20] 24.39	m	m	[20] 24.39	i	i
12	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
13	To	[20] 24.41	m	m	[20] 24.41	m	m
14	User-Agent	[20] 24.43	o		[20] 24.43	o	
15	Via	[20] 24.44	m	m	[20] 24.44	m	m
16	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/5 - - CANCEL response

Prerequisite: A.152/35 - - 484

Table A.172: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
6	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
7	From	[20] 24.20	m	m	[20] 24.20	m	m
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
10	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
11	State	[28] 5.1	o		[28] 5.1	o	
12	Supported	[20] 24.39	m	m	[20] 24.39	i	i
13	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
14	To	[20] 24.41	m	m	[20] 24.41	m	m
15	User-Agent	[20] 24.43	o		[20] 24.43	o	
16	Via	[20] 24.44	m	m	[20] 24.44	m	m
17	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/5 - - CANCEL response

Prerequisite: A.152/28 - - 420

Table A.173: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Language	[20] 24.13	o		[20] 24.13	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
5	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
6	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
7	From	[20] 24.20	m	m	[20] 24.20	m	m
8	MIME-Version	[20] 24.24	o		[20] 24.24	o	
9	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
10	State	[28] 5.1	o		[28] 5.1	o	
11	Supported	[20] 24.39	m	m	[20] 24.39	i	i
12	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
13	To	[20] 24.41	m	m	[20] 24.41	m	m
14	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
15	User-Agent	[20] 24.43	o		[20] 24.43	o	
16	Via	[20] 24.44	m	m	[20] 24.44	m	m
17	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/5 - - CANCEL response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 500, 503, 600, 603

Table A.174: Supported headers within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
18	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
19	Content-Language	[20] 24.13	o		[20] 24.13	o	
20	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
21	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
22	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
23	Error-Info	[20] 2418	m	m	[20] 24.18	i	i
24	From	[20] 24.20	m	m	[20] 24.20	m	m
25	MIME-Version	[20] 24.24	o		[20] 24.24	o	
26	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
27	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
28	State	[28] 5.1	o		[28] 5.1	o	
29	Supported	[20] 24.39	m	m	[20] 24.39	i	i
30	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
34	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.175: Supported message bodies within the CANCEL response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1			3GPP				

A.2.2.4.5 COMET method

Prerequisite A.151/6 - - COMET request

Table A.176: Supported headers within the COMET request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Contact	[20] 24.10	o		[20] 24.10	o	
9	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
10	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
11	Content-Language	[20] 24.13	o		[20] 24.13	o	
12	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
13	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
14	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
15	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
16	Expires	[20] 24.19	o		[20] 24.19	o	
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Organization	[20] 24.25	o		[20] 24.25	o	
21	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
22	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
23	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
24	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
25	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
26	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
27	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
28	Route	[20] 24.35	m	m	[20] 24.35	m	m
29	State	[28] 5.1	o		[28] 5.1	o	
30	Subject	[20] 24.38	o		[20] 24.38	o	
31	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
32	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
33	To	[20] 24.41	m	m	[20] 24.41	m	m
34	User-Agent	[20] 24.43	o		[20] 24.43	o	
35	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Editors Note: IETF#50 Agreed that use of Record-Route inside an Invite transaction should be ignored at the UA. It is anticipated that this will be reflected in future IETF drafts and this table will then need to be updated accordingly

Editor's note to editor's note: It is believed that the above editors note refers to the use of record-route headers within reliable responses.

Table A.177: Supported message bodies within the COMET request

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

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/1 - - 100 Trying

Table A.177A: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
5	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

3GPP

Prerequisite A.151/7 - - COMET response

Table A.177B: Supported headers within the COMET response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] ~~24.8~~20.8	m	m	[20] ~~24.8~~20.8	m	m
5	Content-Disposition	[20] ~~24.11~~20.11	o		[20] ~~24.11~~20.11	o	
6	Content-Encoding	[20] ~~24.12~~20.12	o		[20] ~~24.12~~20.12	o	
7	Content-Language	[20] ~~24.13~~20.13	o		[20] ~~24.13~~20.13	o	
8	Content-Length	[20] ~~24.14~~20.14	m	m	[20] ~~24.14~~20.14	m	m
9	Content-Type	[20] ~~24.15~~20.15	m	m	[20] ~~24.15~~20.15	m	m
10	Cseq	[20] ~~24.16~~20.16	m	m	[20] ~~24.16~~20.16	m	m
11	Date	[20] ~~24.17~~20.17	m	m	[20] ~~24.17~~20.17	c1	c1
14	From	[20] ~~24.20~~20.20	m	m	[20] ~~24.20~~20.20	m	m
15	MIME-Version	[20] ~~24.24~~20.24	o		[20] ~~24.24~~20.24	o	
16	Organization	[20] ~~24.25~~20.25	o		[20] ~~24.25~~20.25	o	
21	Timestamp	[20] ~~24.40~~20.38	i	i	[20] ~~24.40~~20.38	i	i
22	To	[20] ~~24.41~~20.39	m	m	[20] ~~24.41~~20.39	m	m
24	Via	[20] ~~24.44~~20.42	m	m	[20] ~~24.44~~20.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.178: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
5	~~Content-Disposition~~	~~[20] 24.11~~	~~o~~		~~[20] 24.11~~	~~o~~	
6	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
7	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	

8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.179: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	p	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.180: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 - - 3xx

Table A.181: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/20 - - 407

Table A.182: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/6 - - 2xx

Table A.183: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	p	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Editors Note: IETF#50 Agreed that use of Record-Route inside an Invite transaction should be ignored at the UA. It is anticipated that this will be reflected in future IETF drafts and this table will then need to be updated accordingly

Editor's note to editor's note: It is believed that the above editors note refers to the use of record-route headers within reliable responses.

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/1 - - 100 Trying

Table A.184: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/28 - - 420

Table A.185: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	i	i
18	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/7 - - COMET response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.186: Supported headers within the COMET response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.187: Supported message bodies within the COMET response

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

A.2.2.4.6 INFO method

Prerequisite A.151/8 - - INFO request

Table A.188: Supported headers within the INFO request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m		[20] 24.8	m	
8	Contact	[20] 24.10	o		[20] 24.10	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Priority	[20] 24.26	m	m	[20] 24.26	i	i
19	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
20	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
21	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
22	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
23	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
24	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
25	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c4	c5
26	Route	[20] 24.35	m	m	[20] 24.35	m	m
27	State	[28] 5.1	o		[28] 5.1	o	
28	Subject	[20] 24.38	o		[20] 24.38	o	
29	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
30	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.189: Supported message bodies within the INFO request

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

3GPP

Prerequisite A.151/9 – INFO response

Prerequisite: A.152/1 – 100 Trying

Table A.189A: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
5	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/9 – INFO response

Table A.189B: 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	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
3	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
9	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
5	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
6	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
9	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
10	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
15	Timestamp	[20] 24.4020.38	i	i	[20] 24.4020.38	i	i
16	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
18	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/9 – INFO response

Prerequisite: A.152/27 -- "415" Unsupported Media Type @@@ combine

Table A.190: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
7	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	Server	[20] 24.37	m	m	[20] 24.37	i	i
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	i	i
15	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i

16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.191: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
5	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
6	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
7	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
8	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
9	Expires	[20] 24.19	o		[20] 24.19	o	
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	Organization	[20] 24.25	o		[20] 24.25	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous" @@@ combine

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	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
7	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	Server	[20] 24.37	m	m	[20] 24.37	i	i
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	i	i
15	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/14 - - 401

Table A.193: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
7	Error-Info	[20] 2418	m	m	[20] 24.18	i	i
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	Server	[20] 24.37	m	m	[20] 24.37	i	i
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	i	i
15	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
20	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 - - 3xx

Table A.194: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
7	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	Server	[20] 24.37	m	m	[20] 24.37	i	i
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	i	i
15	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	User-Agent	[20] 24.43	o		[20] 24.43	o	
18	Via	[20] 24.44	m	m	[20] 24.44	m	m
19	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 – INFO response

Prerequisite: A.152/6 - - 2xx

Table A.195: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
5	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
6	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
7	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
22	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/35 - - 484

Table A.196: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
23	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
24	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
25	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
26	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
27	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
28	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
29	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
30	Expires	[20] 24.19	o		[20] 24.19	o	
31	From	[20] 24.20	m	m	[20] 24.20	m	m
32	Organization	[20] 24.25	o		[20] 24.25	o	
33	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
34	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
35	Server	[20] 24.37	m	m	[20] 24.37	i	i
36	State	[28] 5.1	o		[28] 5.1	o	
37	Supported	[20] 24.39	m	m	[20] 24.39	i	i
38	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
39	To	[20] 24.41	m	m	[20] 24.41	m	m
40	User-Agent	[20] 24.43	o		[20] 24.43	o	
41	Via	[20] 24.44	m	m	[20] 24.44	m	m
42	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/9 - INFO response

Prerequisite: A.152/1 - 100 Trying

Table A.197: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/28 - - 420

Table A.198: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
7	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	Server	[20] 24.37	m	m	[20] 24.37	i	i
13	State	[28] 5.1	o		[28] 5.1	o	
14	Supported	[20] 24.39	m	m	[20] 24.39	i	i
15	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
16	To	[20] 24.41	m	m	[20] 24.41	m	m
17	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/9 - - INFO response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.199: Supported headers within the INFO response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
3	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
4	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
5	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
6	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
7	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
8	Expires	[20] 24.19	o		[20] 24.19	o	
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	Organization	[20] 24.25	o		[20] 24.25	o	
11	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
12	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.200: 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.151/10 – INVITE request

Table A.201: Supported headers within the INVITE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Alert-Info	[20] 24.4	c2	c2	[20] 24.4	c3	c3
7	Allow	[20] 24.5, [20] 13	o		[20] 24.5, [20] 13	o	
8	Anonymity	[27] 5.2	o		[27] 5.2		
9	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
10	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
11	Call-Info	[20] 24.9	o		[20] 24.9	o	
12	Contact	[20] 24.10	m		[20] 24.10	m	
13	Content-Disposition	[20] 24.11	o		[20] 24.11	o	

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
14	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
15	Content-Language	[20] 24.13	o		[20] 24.13	o	
16	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
17	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
18	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
19	Date	[20] 24.17	m	m	[20] 24.17	c4	c4
20	Expires	[20] 24.19	o		[20] 24.19	o	
21	From	[20] 24.20	m	m	[20] 24.20	m	m
22	In-Reply-To	[20] 24.21	m	m	[20] 24.21	i	i
23	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
24	MIME-Version	[20] 24.24	o		[20] 24.24	o	
25	Organization	[20] 24.25	o		[20] 24.25	o	
26	Priority	[20] 24.26	m	m	[20] 24.26	i	i
27	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
28	Proxy-Require	[20] 24.29, [26] 4, [27] 4, [28] 3	m	m	[20] 24.29, [26] 4, [27] 4, [28] 3	m	m
29	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
30	Referred-By	p	c5	c5	[25] 3.3	c6	c6
31	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
32	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
33	Reply-To	[20] 24.32	m	m	[20] 24.32	i	i
34	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
35	Require	[20] 24.33, [26] 4, [28] 3	m	m	[20] 24.33, [26] 4, [28] 3	c7	c7
36	Route	[20] 24.35	m	m	[20] 24.35	m	m
37	Session expires	[26] 3	o		[26] 3	o	
38	State	[28] 5.1	o		[28] 5.1	o	
39	Subject	[20] 24.38	o		[20] 24.38	o	
40	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c8	c8
41	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
42	To	[20] 24.41	m	m	[20] 24.41	m	m
43	User-Agent	[20] 24.43	o		[20] 24.43	o	
44	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/10 THEN n/a ELSE m.						
c3:	IF A.150/10 THEN m ELSE i.						
c4:	IF A.150/9 THEN m ELSE i.						
c5:	IF A.150/21 THEN m ELSE n/a.						
c6:	IF A.150/21 THEN i ELSE n/a.						
c7:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c8:	IF A.150/14 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.						

Table A.202: Supported message bodies within the INVITE request

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

Prerequisite A.151/11 - - ~~BYE~~ INVITE response

Prerequisite: A.152/1 - - 100 Trying

Table A.202A: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] ~~24.8~~20.8	m	m	[20] ~~24.8~~20.8	m	m
2	Content-Length	[20] ~~24.14~~20.14	m	m	[20] ~~24.14~~20.14	m	m
3	Cseq	[20] ~~24.16~~20.16	m	m	[20] ~~24.16~~20.16	m	m
4	Date	[20] ~~24.17~~20.17	c1	c1	[20] ~~24.17~~20.17	c2	c2
5	From	[20] ~~24.20~~20.20	m	m	[20] ~~24.20~~20.20	m	m
6	To	[20] ~~24.41~~20.39	m	m	[20] ~~24.41~~20.39	m	m
7	Via	[20] ~~24.44~~20.42	m	m	[20] ~~24.44~~20.42	m	m
c1:	IF (A.150/9 AND A.150/8) OR A.150/7 THEN m ELSE n/a - - Stateful proxies that insert date, or stateless proxies.						
c2:	IF A.150/7 THEN i ELSE m - - Stateless proxy passes on.						

Prerequisite A.151/11 – INVITE response

Table A.202B: Supported headers within the INVITE response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
5	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
7	Content-Disposition	[20] 24.1120.11, [22] 8.3	o		[20] 24.1120.11, [22] 8.3	o	
8	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
9	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
10	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
11	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
12	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
13	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
16	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
18	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
26	Timestamp	[20] 24.4020.38	i	i	[20] 24.4020.38	i	i
27	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
29	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/11 – INVITE response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.203: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Anonymity	[27] 5.2	o		[27] 5.2		
5	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
6	Call-Info	[20] 24.9	o		[20] 24.9	o	
7	Content-Disposition	[20]	o		[20]	o	

		24.11, [22] 8.3			24.11, [22] 8.3		
8	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
9	Content-Language	[20] 24.13	o		[20] 24.13	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
14	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
15	Expires	[20] 24.19	o		[20] 24.19	o	
16	From	[20] 24.20	m	m	[20] 24.20	m	m
17	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
18	MIME-Version	[20] 24.24	o		[20] 24.24	o	
19	Organization	[20] 24.25	o		[20] 24.25	o	
20	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
21	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
22	Server	[20] 24.37	m	m	[20] 24.37	i	i
23	Session expires	[26] 3	o		[26] 3	o	
24	State	[28] 5.1	o		[28] 5.1	o	
25	Supported	[20] 24.39	m	m	[20] 24.39	i	i
26	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
27	To	[20] 24.41	m	m	[20] 24.41	m	m
28	User-Agent	[20] 24.43	o		[20] 24.43	o	
29	Via	[20] 24.44	m	m	[20] 24.44	m	m
30	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.204: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m		[20] 24.5	m/o	
3	Anonymity	[27] 5.2	o		[27] 5.2	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
13	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Organization	[20] 24.25	o		[20] 24.25	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
21	Server	[20] 24.37	m	m	[20] 24.37	i	i
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	i	i
25	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.205: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Contact	[20] 24.10	o		[20] 24.10	o/m	
6	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
13	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Organization	[20] 24.25	o		[20] 24.25	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
21	Server	[20] 24.37	m	m	[20] 24.37	i	i
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	i	i
25	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/14 - - 401

Table A.206: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
19	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
20	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
21	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
22	Server	[20] 24.37	m	m	[20] 24.37	i	i
23	Session expires	[26] 3	o		[26] 3	o	
24	State	[28] 5.1	o		[28] 5.1	o	
25	Supported	[20] 24.39	m	m	[20] 24.39	i	i
26	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
27	To	[20] 24.41	m	m	[20] 24.41	m	m
28	User-Agent	[20] 24.43	o		[20] 24.43	o	
29	Via	[20] 24.44	m	m	[20] 24.44	m	m
30	Warning	[20] 24.45	o		[20] 24.45	o	
31	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/20 - - 407

Table A.207: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
21	Server	[20] 24.37	m	m	[20] 24.37	i	i
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	i	i
25	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/6 – 2xx

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	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	o		[20] 24.5	o	
3	Anonymity	[27] 5.2	o		[27] 5.2		
4	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
5	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
6	Call-Info	[20] 24.9	o		[20] 24.9	o	
7	Contact	[20] 24.10	m		[20] 24.10	m	
8	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
15	Expires	[20] 24.19	o		[20] 24.19	o	
16	From	[20] 24.20	m	m	[20] 24.20	m	m
17	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
18	MIME-Version	[20] 24.24	o		[20] 24.24	o	
19	Organization	[20] 24.25	o		[20] 24.25	o	
20	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
21	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
22	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
23	Server	[20] 24.37	m	m	[20] 24.37	i	i
24	Session expires	[26] 3	o		[26] 3	o	
25	State	[28] 5.1	o		[28] 5.1	o	
26	Supported	[20] 24.39	m	m	[20] 24.39	i	i
27	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
28	To	[20] 24.41	m	m	[20] 24.41	m	m
29	User-Agent	[20] 24.43	o		[20] 24.43	o	
30	Via	[20] 24.44	m	m	[20] 24.44	m	m
31	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/35 - - 484

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
19	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
20	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
21	Server	[20] 24.37	m	m	[20] 24.37	i	i
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	i	i
25	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - BYE response

Prerequisite: A.152/1 - - 100 Trying

Table A.210: Supported headers within the INVITE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	c1	c1	[20] 24.17	c2	c2
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF (A.150/9 AND A.150/8) OR A.150/7 THEN m ELSE n/a - - Stateful proxies that insert date, or stateless proxies.						
c2:	IF A.150/7 THEN i ELSE m - - Stateless proxy passes on.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/2 OR A.152/3 OR A.152/4 OR A.152/5 – 1xx

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Contact	[20] 24.10	o		[20] 24.10	o/m	
6	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
20	Rseq	[21] 7.1	m	m	[21] 7.1	i	i
21	Server	[20] 24.37	m	m	[20] 24.37	i	i
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	i	i
25	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/28 - - 420

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
20	Server	[20] 24.37	m	m	[20] 24.37	i	i
21	Session expires	[26] 3	o		[26] 3	o	
22	State	[28] 5.1	o		[28] 5.1	o	
23	Supported	[20] 24.39	m	m	[20] 24.39	i	i
24	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
25	To	[20] 24.41	m	m	[20] 24.41	m	m
26	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/11 - - INVITE response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

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	[20] 24.1	o		[20] 24.1	o	
2	Anonymity	[27] 5.2	o		[27] 5.2		
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11, [22] 8.3	o		[20] 24.11, [22] 8.3	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Media-Authorization	[29] 5.1	o		[29] 5.1	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Organization	[20] 24.25	o		[20] 24.25	o	
18	Remote-Party-ID	[27] 5.1	o		[27] 5.1	o	
19	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
20	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
21	Server	[20] 24.37	m	m	[20] 24.37	i	i
22	Session expires	[26] 3	o		[26] 3	o	
23	State	[28] 5.1	o		[28] 5.1	o	
24	Supported	[20] 24.39	m	m	[20] 24.39	i	i
25	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
26	To	[20] 24.41	m	m	[20] 24.41	m	m
27	User-Agent	[20] 24.43	o		[20] 24.43	o	
28	Via	[20] 24.44	m	m	[20] 24.44	m	m
29	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.214: 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.151/12 - - NOTIFY request

Table A.215: Supported headers within the NOTIFY request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
15	Event	[23] 7.5.1	m	m	[23] 7.5.1	m	m
16	From	[20] 24.20	m	m	[20] 24.20	m	m
17	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
18	MIME-Version	[20] 24.24	o		[20] 24.24	o	
19	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
20	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
21	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
22	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
23	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
24	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
25	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
26	Route	[20] 24.35	m	m	[20] 24.35	m	m
27	State	[28] 5.1	o		[28] 5.1	o	
28	Subscription-State	[23] 7.5.3	m	m	[23] 7.5.3	i	i
29	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
30	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.216: Supported message bodies within the NOTIFY request

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

Prerequisite A.151/13 - - NOTIFY response

Table A.216A: Supported headers within the NOTIFY response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] ~~24.8~~20.8	m	m	[20] ~~24.8~~20.8	m	m
5	Content-Disposition	[20] ~~24.11~~20.11	o		[20] ~~24.11~~20.11	o	
6	Content-Encoding	[20] ~~24.12~~20.12	o		[20] ~~24.12~~20.12	o	
7	Content-Language	[20] ~~24.13~~20.13	o		[20] ~~24.13~~20.13	o	
8	Content-Length	[20] ~~24.14~~20.14	m	m	[20] ~~24.14~~20.14	m	m
9	Content-Type	[20] ~~24.15~~20.15	m	m	[20] ~~24.15~~20.15	m	m
10	Cseq	[20] ~~24.16~~20.16	m	m	[20] ~~24.16~~20.16	m	m
11	Date	[20] ~~24.17~~20.17	m	m	[20] ~~24.17~~20.17	c1	c1
13	From	[20] ~~24.20~~20.20	m	m	[20] ~~24.20~~20.20	m	m
14	MIME-Version	[20] ~~24.24~~20.24	o		[20] ~~24.24~~20.24	o	
19	Timestamp	[20] ~~24.40~~20.38	o		[20] ~~24.40~~20.38	o	
20	To	[20] ~~24.41~~20.39	m	m	[20] ~~24.41~~20.39	m	m
22	Via	[20] ~~24.44~~20.42	m	m	[20] ~~24.44~~20.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.217: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m

11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	o		[20] 24.40	o	
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.218: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.219: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/14 - - 401

Table A.220: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	i	i
18	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/20 - - 407

Table A.221: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/6 AND A.152/7 - - 2xx

Table A.222: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/35 - - 484

Table A.223: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/28 - - 420

Table A.224: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 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
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/13 - - NOTIFY response

Prerequisite: A.152/40 - - 489

Table A.226: Supported headers within the NOTIFY response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
xx	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
1	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c3	c3
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN o ELSE n/a.						
c3:	IF A.150/11 OR A.150/13 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.						

Table A.227: 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.151/14 – OPTIONS request

Table A.228: Supported headers within the OPTIONS request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Call-Info	[20] 24.9	o		[20] 24.9	o	
9	Contact	[20] 24.10	m		[20] 24.10	m	
10	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
11	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
12	Content-Language	[20] 24.13	o		[20] 24.13	o	
13	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
14	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
15	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
16	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Organization	[20] 24.25	o		[20] 24.25	o	
21	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
22	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
23	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
24	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
25	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
26	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
27	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
28	Route	[20] 24.35	m	m	[20] 24.35	m	m
29	State	[28] 5.1	o		[28] 5.1	o	
30	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
31	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
32	To	[20] 24.41	m	m	[20] 24.41	m	m
33	User-Agent	[20] 24.43	o		[20] 24.43	o	
34	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.229: Supported message bodies within the OPTIONS request

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

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/1 – 100 Trying

Table A.229A: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
5	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Table A.229B: Supported headers within the OPTIONS response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
6	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
7	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
8	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
9	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
10	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
11	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
12	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
14	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
15	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
16	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
21	Timestamp	[20] 24.4020.38	i	i	[20] 24.4020.38	i	i
22	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
24	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.230: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	

8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
13	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.231: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m	m	[20] 24.5	m	m
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.232: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/14 – 401

Table A.233: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
16	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
25	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/20 – 407

Table A.234: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
16	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/6 – 2xx

Table A.235: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	o		[20] 24.5	o/m	
3	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Contact	[20] 24.10	o		[20] 24.10	o	
7	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
8	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
9	Content-Language	[20] 24.13	o		[20] 24.13	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
18	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
19	Server	[20] 24.37	m	m	[20] 24.37	i	i
20	State	[28] 5.1	o		[28] 5.1	o	
21	Supported	[20] 24.39	m	m	[20] 24.39	i	i
22	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
23	To	[20] 24.41	m	m	[20] 24.41	m	m
24	User-Agent	[20] 24.43	o		[20] 24.43	o	
25	Via	[20] 24.44	m	m	[20] 24.44	m	m
26	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/35 – 484

Table A.236: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
17	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/1 – 100 Trying

Table A.237: Supported headers within the OPTIONS response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/28 – 420

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/15 – OPTIONS response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.240: 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.151/16 – PRACK request

Table A.241: Supported headers within the PRACK request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Max-Forwards	[20] 24.22	o	o	[20] 24.22	n/a	n/a
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
19	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
20	RAck	[21] 7.2	m	m	[21] 7.2	i	i
21	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
22	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
23	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
24	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
25	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
26	Route	[20] 24.35	m	m	[20] 24.35	m	m
27	State	[28] 5.1	o		[28] 5.1	o	
28	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
29	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
30	To	[20] 24.41	m	m	[20] 24.41	m	m
31	User-Agent	[20] 24.43	o		[20] 24.43	o	
32	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Editors Note: IETF#50 Agreed that use of Record-Route inside an Invite transaction should be ignored at the UA. It is anticipated that this will be reflected in future IETF drafts and this table will then need to be updated accordingly

Editor's note to editor's note: It is believed that the above editors note refers to the use of record-route headers within reliable responses.

Table A.242: Supported message bodies within the PRACK request

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

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/1 – 100 Trying

Table A.242A: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] ~~24.8~~20.8	m	m	[20] ~~24.8~~20.8	m	m
2	Content-Length	[20] ~~24.14~~20.14	m	m	[20] ~~24.14~~20.14	m	m
3	Cseq	[20] ~~24.16~~20.16	m	m	[20] ~~24.16~~20.16	m	m
4	Date	[20] ~~24.17~~20.17	m	m	[20] ~~24.17~~20.17	c1	c1
5	From	[20] ~~24.20~~20.20	m	m	[20] ~~24.20~~20.20	m	m
6	To	[20] ~~24.41~~20.39	m	m	[20] ~~24.41~~20.39	m	m
7	Via	[20] ~~24.44~~20.42	m	m	[20] ~~24.44~~20.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Table A.242B: Supported headers within the PRACK response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
9	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Timestamp	[20] 24.4020.38	i	i	[20] 24.4020.38	i	i
20	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
22	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.243: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m

11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.244: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.245: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/14 – 401

Table A.246: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
~~1~~	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
~~2~~	~~Content-Disposition~~	~~[20] 24.11~~	~~o~~		~~[20] 24.11~~	~~o~~	
~~3~~	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
~~4~~	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	
~~5~~	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
~~6~~	~~Content-Type~~	~~[20] 24.15~~	~~m~~	~~m~~	~~[20] 24.15~~	~~m~~	~~m~~
~~7~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~8~~	~~Date~~	~~[20] 24.17~~	~~m~~	~~m~~	~~[20] 24.17~~	~~c1~~	~~c1~~
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
~~10~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~11~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	i	i
~~18~~	~~Timestamp~~	~~[20] 24.40~~	~~i~~	~~i~~	~~[20] 24.40~~	~~i~~	~~i~~
~~19~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~21~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
~~c1:~~	~~IF A.150/9 THEN m ELSE i.~~						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Editors Note: IETF#50 Agreed that use of Record-Route inside an Invite transaction should be ignored at the UA. It is anticipated that this will be reflected in future IETF drafts and this table will then need to be updated accordingly

Editor's note to editor's note: It is believed that the above editors note refers to the use of record-route headers within reliable responses.

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/20 – 407

Table A.247: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/6 - - 2xx

Table A.248: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	From	[20] 24.20	m	m	[20] 24.20	m	m
10	MIME-Version	[20] 24.24	o		[20] 24.24	o	
11	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Editors Note: IETF#50 Agreed that use of Record-Route inside an Invite transaction should be ignored at the UA. It is anticipated that this will be reflected in future IETF drafts and this table will then need to be updated accordingly

Editor's note to editor's note: It is believed that the above editors note refers to the use of record-route headers within reliable responses.

Prerequisite A.151/17 - - PRACK response

Prerequisite: A.152/35 - - 484

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	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Editors Note: IETF#50 Agreed that use of Record-Route inside an Invite transaction should be ignored at the UA. It is anticipated that this will be reflected in future IETF drafts and this table will then need to be updated accordingly

Editor's note to editor's note: It is believed that the above editors note refers to the use of record-route headers within reliable responses.

Prerequisite A.151/17 - PRACK response

Prerequisite: A.152/1 - 100 Trying

Table A.250: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/28 – 420@@@combine

Table A.251: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	User-Agent	[20] 24.43	o		[20] 24.43	o	
19	Via	[20] 24.44	m	m	[20] 24.44	m	m
20	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/17 – PRACK response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.252: Supported headers within the PRACK response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.253: 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.151/18 – REFER request

Table A.254: Supported headers within the REFER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
2	Accept-Language	[20] 24.3	o		[20] 24.3	o	
3	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
4	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
5	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
6	Contact	[20] 24.10	o		[20] 24.10	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
17	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
18	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
19	Refer-To	[25] 3.3	c3	c3	[25] 3.3	c4	c4
20	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
21	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
22	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
23	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
24	Route	[20] 24.35	m	m	[20] 24.35	m	m
25	State	[28] 5.1	o		[28] 5.1	o	
26	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
27	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
28	To	[20] 24.41	m	m	[20] 24.41	m	m
29	User-Agent	[20] 24.43	o		[20] 24.43	o	
30	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.255: Supported message bodies within the REFER request

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

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/1 – 100 Trying

Table A.255A: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
5	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Table A.255B: Supported headers within the REFER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
6	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
7	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
8	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
9	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
10	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
15	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
20	Timestamp	[20] 24.4020.38	i	i	[20] 24.4020.38	i	i
21	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
23	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.256: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c1	c1

11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	Expires	[20] 24.19	o		[20] 24.19	o	
~~13~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~14~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
~~15~~	~~Organization~~	~~[20] 24.25~~	~~o~~		~~[20] 24.25~~	~~o~~	
16	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
~~20~~	~~Timestamp~~	~~[20] 24.40~~	~~i~~	~~i~~	~~[20] 24.40~~	~~i~~	~~i~~
~~21~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~23~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
24	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.150/9 THEN m ELSE i.~~						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.257: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m	m	[20] 24.5	m	m
~~3~~	~~Call-ID~~	~~[20] 24.8~~	~~m~~	~~m~~	~~[20] 24.8~~	~~m~~	~~m~~
~~4~~	~~Content-Encoding~~	~~[20] 24.12~~	~~o~~		~~[20] 24.12~~	~~o~~	
~~5~~	~~Content-Language~~	~~[20] 24.13~~	~~o~~		~~[20] 24.13~~	~~o~~	
~~6~~	~~Content-Length~~	~~[20] 24.14~~	~~m~~	~~m~~	~~[20] 24.14~~	~~m~~	~~m~~
~~7~~	~~Content-Type~~	~~[20] 24.15~~	~~m~~	~~m~~	~~[20] 24.15~~	~~m~~	~~m~~
~~8~~	~~Cseq~~	~~[20] 24.16~~	~~m~~	~~m~~	~~[20] 24.16~~	~~m~~	~~m~~
~~9~~	~~Date~~	~~[20] 24.17~~	~~m~~	~~m~~	~~[20] 24.17~~	~~c1~~	~~c1~~
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
~~12~~	~~From~~	~~[20] 24.20~~	~~m~~	~~m~~	~~[20] 24.20~~	~~m~~	~~m~~
~~13~~	~~MIME-Version~~	~~[20] 24.24~~	~~o~~		~~[20] 24.24~~	~~o~~	
~~14~~	~~Organization~~	~~[20] 24.25~~	~~o~~		~~[20] 24.25~~	~~o~~	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
~~19~~	~~Timestamp~~	~~[20] 24.40~~	~~i~~	~~i~~	~~[20] 24.40~~	~~i~~	~~i~~
~~20~~	~~To~~	~~[20] 24.41~~	~~m~~	~~m~~	~~[20] 24.41~~	~~m~~	~~m~~
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
~~22~~	~~Via~~	~~[20] 24.44~~	~~m~~	~~m~~	~~[20] 24.44~~	~~m~~	~~m~~
23	Warning	[20] 24.45	o		[20] 24.45	o	
~~c1:~~	~~IF A.150/9 THEN m ELSE i.~~						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"@@@combine

Table A.258: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 – 401

Table A.259: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
24	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/20 – 407

Table A.260: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	o		[20] 24.19	o	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Organization	[20] 24.25	o		[20] 24.25	o	
14	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/7 - - 202

Table A.261: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
16	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/35 – 484@@@combine

Table A.262: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/1 – 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	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/28 – 420

Table A.264: Supported headers within the REFER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/19 – REFER response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

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	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Contact	[20] 24.10	o		[20] 24.10	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	o		[20] 24.19	o	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	User-Agent	[20] 24.43	o		[20] 24.43	o	
23	Via	[20] 24.44	m	m	[20] 24.44	m	m
24	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.266: 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.151/20 – REGISTER request

Table A.267: Supported headers within the REGISTER request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
5	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
6	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
7	Call-Info	[20] 24.9	o		[20] 24.9	o	
8	Contact	[20] 24.10	m		[20] 24.10	m	
9	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
10	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
11	Content-Language	[20] 24.13	o		[20] 24.13	o	
12	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
13	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
14	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
15	Date	[20] 24.17	m	m	[20] 24.17	m	m
16	Expires	[20] 24.19	o		[20] 24.19	o	
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Organization	[20] 24.25	o		[20] 24.25	o	
21	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
22	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
23	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
24	Referred-By	[25] 3.3	c2	c2	[25] 3.3	c3	c3
25	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
26	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c4	c4
27	Route	[20] 24.35	m	m	[20] 24.35	m	m
28	State	[28] 5.1	o		[28] 5.1	o	
29	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c5	c5
30	Timestamp	[20] 24.40	m	m	[20] 24.40	c6	c6
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/21 THEN m ELSE n/a.						
c3:	IF A.150/21 THEN i ELSE n/a.						
c4:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c5:	IF A.150/14 THEN m ELSE i.						
c6:	IF A.150/3 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.						

Table A.268: Supported message bodies within the REGISTER request

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

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/1 – 100 Trying

Table A.268A: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
2	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
3	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
4	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	m	m
5	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
6	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
7	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m

Prerequisite A.151/21 – REGISTER response

Table A.268B: Supported headers within the REGISTER response - all remaining status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
6	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
7	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
8	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
9	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
10	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
11	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
12	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	m	m
15	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
17	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
16	Organization	[20] 24.2520.25	o		[20] 24.2520.25	o	
22	Timestamp	[20] 24.4020.38	m	m	[20] 24.4020.38	c2i	c2i
23	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
25	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c2:	IF A.150/3 THEN m ELSE i.						

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.269: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
7	Content-Encoding	[20] 24.12	o		[20] 24.12	o	

8	Content-Language	[20] 24.13	o		[20] 24.13	o	
9	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
10	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
11	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
12	Date	[20] 24.17	m	m	[20] 24.17	m	m
13	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
19	Server	[20] 24.37	m	m	[20] 24.37	i	i
20	State	[28] 5.1	o		[28] 5.1	o	
21	Supported	[20] 24.39	m	m	[20] 24.39	i	i
22	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
23	To	[20] 24.41	m	m	[20] 24.41	m	m
24	User-Agent	[20] 24.43	o		[20] 24.43	o	
25	Via	[20] 24.44	m	m	[20] 24.44	m	m
26	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.270: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	m		[20] 24.5	m	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Call-Info	[20] 24.9	o		[20] 24.9	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	m	m
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.271: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Contact	[20] 24.10	o		[20] 24.10	o	
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
11	Date	[20] 24.17	m	m	[20] 24.17	m	m
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	o		[20] 24.19	o	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	Organization	[20] 24.25	o		[20] 24.25	o	
16	MIME-Version	[20] 24.24	o		[20] 24.24	o	
17	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/14 – 401

Table A.272: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	m	m
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Record-Route	[20] 24.31		n/a	[20] 24.31		n/a
17	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
26	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Editor's note: The RFC status for Record-Route has been left empty, because at the moment it is not clear what this status should be.

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/20 – 407

Table A.273: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	m	m
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
17	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/6 – 2xx

Table A.274: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Allow	[20] 24.5	o		[20] 24.5	o	
3	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Contact	[20] 24.10	o		[20] 24.10	o	
7	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
8	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
9	Content-Language	[20] 24.13	o		[20] 24.13	o	
10	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
11	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
12	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
13	Date	[20] 24.17	m	m	[20] 24.17	m	m
14	Expires	[20] 24.19	o		[20] 24.19	o	
15	From	[20] 24.20	m	m	[20] 24.20	m	m
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	MIME-Version	[20] 24.24	o		[20] 24.24	o	
18	Record-Route	[20] 24.31		n/a	[20] 24.31		n/a
19	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
20	Server	[20] 24.37	m	m	[20] 24.37	i	i
21	State	[28] 5.1	o		[28] 5.1	o	
22	Supported	[20] 24.39	m	m	[20] 24.39	i	i
23	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
24	To	[20] 24.41	m	m	[20] 24.41	m	m
25	User-Agent	[20] 24.43	o		[20] 24.43	o	
26	Via	[20] 24.44	m	m	[20] 24.44	m	m
27	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Editor's note: The RFC status for Record-Route has been left empty, because at the moment it is not clear what this status should be.

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/35 – 484

Table A.275: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	m	m
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Record-Route	[20] 24.31		n/a	[20] 24.31		n/a
17	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c4	c4
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Editor's note: The RFC status for Record-Route has been left empty, because at the moment it is not clear what this status should be.

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/1 – 100 Trying

Table A.276: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
3	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
4	Date	[20] 24.17	m	m	[20] 24.17	m	m
5	From	[20] 24.20	m	m	[20] 24.20	m	m
6	To	[20] 24.41	m	m	[20] 24.41	m	m
7	Via	[20] 24.44	m	m	[20] 24.44	m	m

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/28 – 420

Table A.277: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	m	m
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
17	Server	[20] 24.37	m	m	[20] 24.37	i	i
18	State	[28] 5.1	o		[28] 5.1	o	
19	Supported	[20] 24.39	m	m	[20] 24.39	i	i
20	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
21	To	[20] 24.41	m	m	[20] 24.41	m	m
22	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						
c3:	IF A.150/15 THEN m ELSE.i						

Prerequisite A.151/21 – REGISTER response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.278: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	m	m
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	Organization	[20] 24.25	o		[20] 24.25	o	
15	MIME-Version	[20] 24.24	o		[20] 24.24	o	
16	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
17	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/12 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Prerequisite A.151/21 - - REGISTER response

Prerequisite: A.152/30 - - 423

Table A.239a: Supported headers within the REGISTER response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Call-Info	[20] 24.9	o		[20] 24.9	o	
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	m	m
11	Error-Info	[20] 24.18	o		[20] 24.18	o	
12	Expires	[20] 24.19	o		[20] 24.19	o	
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Min-Expires	[20] 24.23	m	m	[20] 24.23	i	i
16	Organization	[20] 24.25	o		[20] 24.25	o	
17	Require	[20] 24.33	m	m	[20] 24.33	c1	c1
18	Server	[20] 24.37	o		[20] 24.37	o	
19	State	[28] 5.1	o		[28] 5.1	o	
20	Supported	[20] 24.39	m	m	[20] 24.39	i	i
21	Timestamp	[20] 24.40	m	m	[20] 24.40	c2	c2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	o		[20] 24.43	o	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c2:	IF A.150/3 THEN m ELSE i.						

Table A.279: 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.151/22 - - SUBSCRIBE request

Table A.280: Supported headers within the SUBSCRIBE request

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Contact	[24] 5.2	o		[24] 5.2	o	
3	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
4	Accept-Language	[20] 24.3	o		[20] 24.3	o	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
6	Authorization	[20] 24.7	m	m	[20] 24.7	i	i
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
9	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
10	Content-Language	[20] 24.13	o		[20] 24.13	o	
11	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
12	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
13	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
14	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
15	Event	[23] 7.5.1	m	m	[23] 7.5.1	m	m
16	Expires	[20] 24.19	m	m	[20] 24.19	i	i
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	m	m	[20] 24.22	m	m
19	MIME-Version	[20] 24.24	o		[20] 24.24	o	
20	Proxy-Authorization	[20] 24.28	o		[20] 24.28	o	
21	Proxy-Require	[20] 24.29, [28] 3	m	m	[20] 24.29, [28] 3	m	m
22	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
23	Referred-By	[25] 3.3	c3	c3	[25] 3.3	c4	c4
24	Reject-Contact	[24] 5.3	o		[24] 5.3	o	
25	Request-Disposition	[24] 5.5	o		[24] 5.5	o	
26	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	c5	c5
27	Route	[20] 24.35	m	m	[20] 24.35	m	m
28	State	[28] 5.1	o		[28] 5.1	o	
29	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	c6	c6
30	Timestamp	[20] 24.40	m	m	[20] 24.40	i	i
31	To	[20] 24.41	m	m	[20] 24.41	m	m
32	User-Agent	[20] 24.43	o		[20] 24.43	o	
33	Via	[20] 24.44	m	m	[20] 24.44	m	m
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN m ELSE i.						
c3:	IF A.150/21 THEN m ELSE n/a.						
c4:	IF A.150/21 THEN i ELSE n/a.						
c5:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c6:	IF A.150/14 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.						

Table A.281: Supported message bodies within the SUBSCRIBE request

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

Prerequisite A.151/23 - - SUBSCRIBE response

Table A.281A: Supported headers within the SUBSCRIBE response - all status-codes

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
4	Call-ID	[20] 24.820.8	m	m	[20] 24.820.8	m	m
5	Content-Disposition	[20] 24.1120.11	o		[20] 24.1120.11	o	
6	Content-Encoding	[20] 24.1220.12	o		[20] 24.1220.12	o	
7	Content-Language	[20] 24.1320.13	o		[20] 24.1320.13	o	
8	Content-Length	[20] 24.1420.14	m	m	[20] 24.1420.14	m	m
9	Content-Type	[20] 24.1520.15	m	m	[20] 24.1520.15	m	m
10	Cseq	[20] 24.1620.16	m	m	[20] 24.1620.16	m	m
11	Date	[20] 24.1720.17	m	m	[20] 24.1720.17	c1	c1
13	From	[20] 24.2020.20	m	m	[20] 24.2020.20	m	m
14	MIME-Version	[20] 24.2420.24	o		[20] 24.2420.24	o	
19	Timestamp	[20] 24.4020.38	o		[20] 24.4020.38	o	
20	To	[20] 24.4120.39	m	m	[20] 24.4120.39	m	m
22	Via	[20] 24.4420.42	m	m	[20] 24.4420.42	m	m
c1:	IF A.150/9 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

Table A.282: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 24.1	o		[20] 24.1	o	
2	Accept-Encoding	[20] 24.2	o		[20] 24.2	o	
3	Accept-Language	[20] 24.3	o		[20] 24.3	o	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
6	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
7	Content-Language	[20] 24.13	o		[20] 24.13	o	
8	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
9	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
10	Cseq	[20] 24.16	m	m	[20] 24.16	m	m

11	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	From	[20] 24.20	m	m	[20] 24.20	m	m
14	MIME-Version	[20] 24.24	o		[20] 24.24	o	
15	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	o		[28] 5.1	o	
18	Supported	[20] 24.39	m	m	[20] 24.39	i	i
19	Timestamp	[20] 24.40	o		[20] 24.40	o	
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	o		[20] 24.43	o	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/18 -- "405" Method Not Allowed

Table A.283: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 24.5	m		[20] 24.5	m	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 OR A.152/36 - - 3xx or 485 "Ambiguous"

Table A.284: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/14 - - 401

Table A.285: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	i	i
18	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
23	WWW-Authenticate	[20] 24.46	o		[20] 24.46	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/20 - - 407

Table A.286: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/6 AND A.152/7 - - 2xx

Table A.287: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
2	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
3	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
4	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
5	Content-Language	[20] 24.13	o		[20] 24.13	o	
6	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
7	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
8	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
9	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
10	Expires	[20] 24.19	m	m	[20] 24.19	i	i
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	o		[20] 24.24	o	
13	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
14	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Supported	[20] 24.39	m	m	[20] 24.39	i	i
18	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
19	To	[20] 24.41	m	m	[20] 24.41	m	m
20	User-Agent	[20] 24.43	o		[20] 24.43	o	
21	Via	[20] 24.44	m	m	[20] 24.44	m	m
22	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/35 - - 484

Table A.288: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/28 - - 420

Table A.289: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Server	[20] 24.37	m	m	[20] 24.37	i	i
14	State	[28] 5.1	o		[28] 5.1	o	
15	Supported	[20] 24.39	m	m	[20] 24.39	i	i
16	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
17	To	[20] 24.41	m	m	[20] 24.41	m	m
18	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						
c3:	IF A.150/16 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/17 OR A.152/25 OR A.152/31 OR A.152/37 OR A.152/41 OR A.152/44 OR A.152/48 OR A.152/49 - - 404, 413, 480, 486, 500, 503, 600, 603

Table A.290: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
13	Retry-After	[20] 24.34	m	m	[20] 24.34	i	i
14	Server	[20] 24.37	m	m	[20] 24.37	i	i
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/9 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Prerequisite A.151/23 - - SUBSCRIBE response

Prerequisite: A.152/40 - - 489

Table A.291: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	c1	c1
2	Authentication-Info	[20] 24.6	o		[20] 24.6	o	
3	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
4	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
5	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
6	Content-Language	[20] 24.13	o		[20] 24.13	o	
7	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
8	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
9	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
10	Date	[20] 24.17	m	m	[20] 24.17	c2	c2
11	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	o		[20] 24.24	o	
14	Require	[20] 24.33	m	m	[20] 24.33	c3	c3
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	o		[28] 5.1	o	
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.3/21 THEN m ELSE i.						
c2:	IF A.150/9 THEN o ELSE n/a.						
c3:	IF A.150/11 OR A.150/13 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.151/23 - - SUBSCRIBE response

Prerequisite: A.152/30 -- 423

Table A. 292: Supported headers within the SUBSCRIBE response

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
2	Content-Disposition	[20] 24.11	o		[20] 24.11	o	
3	Content-Encoding	[20] 24.12	o		[20] 24.12	o	
4	Content-Language	[20] 24.13	o		[20] 24.13	o	
5	Content-Length	[20] 24.14	m	m	[20] 24.14	m	m
6	Content-Type	[20] 24.15	m	m	[20] 24.15	m	m
7	Cseq	[20] 24.16	m	m	[20] 24.16	m	m
8	Date	[20] 24.17	m	m	[20] 24.17	c1	c1
9	Error-Info	[20] 24.18	o		[20] 24.18	o	
10	From	[20] 24.20	m	m	[20] 24.20	m	m
11	MIME-Version	[20] 24.24	o		[20] 24.24	o	
12	Min-Expires	[20] 24.23	m	m	[20] 24.23	i	i
13	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
14	Server	[20] 24.37	o		[20] 24.37	o	
15	State	[28] 5.1	o		[28] 5.1	o	
16	Supported	[20] 24.39	m	m	[20] 24.39	i	i
17	Timestamp	[20] 24.40	i	i	[20] 24.40	i	i
18	To	[20] 24.41	m	m	[20] 24.41	m	m
19	User-Agent	[20] 24.43	o		[20] 24.43	o	
20	Via	[20] 24.44	m	m	[20] 24.44	m	m
21	Warning	[20] 24.45	o		[20] 24.45	o	
c1:	IF A.150/3 THEN m ELSE i.						
c2:	IF A.150/11 OR A.150/13 THEN m ELSE i.						

Table A.293: Supported message bodies within the SUBSCRIBE response

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

CR-Form-v5

CHANGE REQUEST

⌘   **24.229** CR **049**   ⌘**rev**   **-**   ⌘ Current version: **5.0.0** ⌘

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

Proposed change affects: ⌘   (U)SIM ☐   ME/UE **X**   Radio Access Network ☐   Core Network **X**

Title: ⌘	Forking options	
Source: ⌘	Lucent Technologies	
Work item code: ⌘	IMS-CCR	***Date:*** ⌘ 01/04/02
Category: ⌘ **C**		***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 TR 21.900.   REL-5 *(Release 5)*

Reason for change: ⌘	No documentation of forking handling in 24.229.
Summary of change: ⌘	Major capabilities are inserted for both UA and proxy roles covering forking capabilities. The essence is that: - support of handing of multiple forked requests being merged at the UAS, and the reception of multiple forked reponses at the UAC, specified as being mandatory in IETF, will remain mandatory in 3GPP; and, at the proxy forking requests at a stateful proxy is optional in IETF, and will become n/a in 3GPP.
Consequences if not approved: ⌘	It will remain unclear whether proxies support forking or not in rel-5, and terminals may be developed that do not implement the mandatory aspects of forking.

Clauses affected: ⌘	A.2.1.2, A.2.2.2
Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments: ⌘	

How to create CRs using this form:

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

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

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

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

FIRST IDENTIFIED CHANGE

A.2.1.2 Major capabilities

Table A.3: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for registration?	[20]	m	m
2	server behaviour for registration?	[20]	n/a	n/a
3	registrar?	[20]	n/a	n/a
4	client behaviour for session requests?	[20]	m	o
5	server behaviour for session requests?	[20]	m	o
6	session release?	[20]	m	c1
7	timestamping of requests?	[20]	o	o
8	authentication between UA and UA?	[20] subclause 22.4	o	o
9	authentication between UA and registrar?	[20] subclause 22.4	o	n/a
9A	server handling of merged requests due to forking	[20] 8.2.2.2	m	m
9B	client handling of multiple responses due to forking	[20] 13.2.2.4	m	m
10	insertion of date in requests and responses?	[20] subclause 24.17	o	o
11	downloading of alerting information?	[20] subclause 22.4	o	o
	Extensions			
12	The SIP INFO method?	[19]	o	n/a
13	Reliability of provisional responses in SIP?	[21]	o	m
14	SIP caller preferences and callee capabilities?	[24]	o	o
15	the REFER method?	[25]	o	o
16	The SIP session timer?	[26]	o	o
17	Integration of resource management and SIP?	[22]	o	m
18	SIP extensions for caller identity and privacy?	[27]	o	m
19	SIP extensions for supporting distributed call state?	[28]	o	o
20	SIP extensions for media authorization?	[29]	o	m
21	SIP specific event notification	[23]	o	o
22	acting as the notifier of event information	[23]	c2	c2
23	acting as the recipient of event information	[23]	c2	c2
c1:	IF A.3/4 OR A.3/5 THEN m ELSE o.			
c2:	IF A.3/21 THEN o.1 ELSE n/a.			
o.1:	At least one of these capabilities is supported.			

SECOND IDENTIFIED CHANGE

A.2.2.2 Major capabilities

Table A.150: Major capabilities

Item	Does the implementation support	Reference	RFC status	Profile status
	Capabilities within main protocol			
1	client behaviour for registration?	[20]	m	m
2	server behaviour for registration?	[20]	m	m
3	registrar?	[20]	o	
4	client behaviour for session requests?	[20]	m	m
5	server behaviour for session requests?	[20]	m	m
6	session release?	[20]	m	m
7	Stateless proxy behaviour?	[20]	o.1	
8	Stateful proxy behaviour?	[20]	o.1	
8A	forking of initial requests	[20] 16.1	c1	n/a
9	insertion of date in requests and responses	[20] 24.17	o	o
10	suppression or modification of alerting information data	[20] 22.4	o	o
11	reading the contents of the Require header before proxying the request or response	[20] 24.33	o	o
12	adding or modifying the contents of the Require header before proxying the REGISTER request or response	[20] 24.33	o	m
13	adding or modifying the contents of the Require header before proxying the request or response for methods other than REGISTER	[20] 24.33	o	o
14	reading the contents of the Supported header before proxying the response	[20] 24.39	o	o
15	reading the contents of the Unsupported header before proxying the 420 response to a REGISTER	[20] 24.42	o	m
16	reading the contents of the Unsupported header before proxying the 420 response to a method other than REGISTER	[20] 24.42	o	o
17	the inclusion of the Error-Info header in 3xx - 6xx responses	[20] 24.42	o	o
	Extensions			
18	The SIP INFO method?	[19]	o	o
19	Reliability of provisional responses in SIP?	[21]	o	m
20	SIP caller preferences and callee capabilities?	[24]	o	o
21	the REFER method?	[25]	o	o
22	The SIP session timer?	[26]	o	o
23	Integration of resource management and SIP?	[22]	o	m
24	SIP extensions for caller identity and privacy?	[27]	o	m
25	SIP extensions for supporting distributed call state?	[28]	o	o
26	SIP extensions for media authorization?	[29]	o	m
27	SIP specific event notification	[23]	o	o
c1	IF A.150/8 THEN o ELSE n/a			
o.1:	It is mandatory to support at least one of these items.			