

was Tdoc N1-021169

was Tdoc N1-020793

CR-Form-v5

## CHANGE REQUEST

⌘ **24.229 CR 024** ⌘ 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  Radio Access Network  Core Network

<b>Title:</b>	⌘ Replacement of COMET by UPDATE
<b>Source:</b>	⌘ Lucent Technologies
<b>Work item code:</b>	⌘ IMS-CCR <span style="float: right;"><b>Date:</b> ⌘ 18/04/02</span>
<b>Category:</b>	⌘ <b>C</b> <span style="float: right;"><b>Release:</b> ⌘ Rel-5</span>
<p>Use <u>one</u> of the following categories:</p> <p><b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.</p> <p>Use <u>one</u> of the following releases:</p> <p><b>2</b> (GSM Phase 2)  <b>R96</b> (Release 1996)  <b>R97</b> (Release 1997)  <b>R98</b> (Release 1998)  <b>R99</b> (Release 1999)  <b>REL-4</b> (Release 4)  <b>REL-5</b> (Release 5)</p>	

<b>Reason for change:</b>	⌘ The underlying basis for resource management using preconditions has changed within SIP. As a result of this, the COMET method has been replaced by the UPDATE method.
<b>Summary of change:</b>	⌘ Inclusion of references to new update and revised manyfolks draft. Replacement of COMET method by UPDATE method. This is work in progress and is submitted at this time for comments. The remaining work that is required to to complete the update of the allowed headers in the PDU tables. Because the method is more like INVITE than the old COMET method, a number of INVITE related headers have to be added. Comments are sought in particular on the changes made to the main body of the document. Note that changes to clause 6 are covered in other CRs. It is believed that the bulk of the procedural changes are covered by the clause 6 CR. Revision 3 of this CR created to assign final RFC numbers.
<b>Consequences if not approved:</b>	⌘ Use of obsolete IETF drafts.

<b>Clauses affected:</b>	⌘ 2, 5.1.3, 5.1.4, 5.2.7, 5.2.9, 5.4.4, 5.4.6, 5.5.3, 5.8.2, A.2.1.2, A.2.1.3, A.2.1.4.5, new A.2.1.4.14, A.2.2.2, A.2.2.3, A.2.2.4.5, new A.2.2.4.14
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications

- Other comments:** ☒
- If CR103 is approved, then the 2<sup>nd</sup> and 3<sup>rd</sup> proposed changes are not to be implemented.
  - The fourth proposed change is consistent with a change already proposed by CR009R1. Therefore there is no need to implement the 4<sup>th</sup> proposed change if that CR is approved.
  - The fifth proposed change is consistent with a change already proposed by CR009R1. Therefore there is no need to implement the 5<sup>th</sup> proposed change if that CR is approved.
  - This CR implements the proposals of CR047 within the new UPDATE method, and if that CR is not approved, then an alternative CR will be required. This CR overrides the changes made to A.2.1.4.5 and A.2.2.4.5 in CR047.
  - This CR implements the proposals of CR100 within the new UPDATE method, and if that CR is not approved, then an alternative CR will be required. This CR overrides the changes made to A.2.1.4.5 and A.2.2.4.5 in CR100.
  - This CR implements the proposals of CR136 within the new UPDATE method, and if that CR is not approved, then an alternative CR will be required. This CR overrides the changes made to A.2.1.4.5 and A.2.2.4.5 in CR136.
  - This CR implements the proposals of CR138 within the new UPDATE method, and if that CR is not approved, then an alternative CR will be required. This CR overrides the changes made to A.2.1.4.5 and A.2.2.4.5 in CR138.
  - This CR implements the proposals of CR025 within the new UPDATE method, and if that CR is not approved, then an alternative CR will be required. This CR overrides the changes made to A.2.1.4.5 and A.2.2.4.5 in CR025.
  - This CR implements the proposals of CR134 within the new UPDATE method, and if that CR is not approved, then an alternative CR will be required.
  - In accordance with CR133 the Referred-By header has been removed. If this CR is not accepted, then the Referred-By header will need to be inserted in UPDATE requests. This CR overrides the changes made to A.2.1.4.5 and A.2.2.4.5 in CR133.

### 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](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.

<b>FIRST PROPOSED CHANGE</b>
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## 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-03-075~~[RFC 3312](#) (~~November 2001~~[March-April 2002](#)): "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-sip-update-012~~[RFC 3311](#) (~~March~~[April 2002](#)): "The SIP UPDATE method".

## SECOND PROPOSED CHANGE

### 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~~ 5.1.3.3 UPDATE

Void.

#### 5.1.3.4 ReINVITE

Void.

## THIRD PROPOSED CHANGE

### 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~~ 5.1.4.3 UPDATE

Void.

#### 5.1.4.4 ReINVITE

Void.

## FOURTH PROPOSED CHANGE

### 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 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-UPDATE~~ 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 response.

When the P-CSCF sends 180 Ringing 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.

## FIFTH PROPOSED CHANGE

### 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-UPDATE~~ 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) 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.



## SIXTH PROPOSED CHANGE

### 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-UPDATE~~ can be handled in a generic way.*

##### 5.4.4.2.1 Mobile-originating case

When the S-CSCF receives the ~~COMET-UPDATE~~ 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-UPDATE~~ 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.

## SEVENTH PROPOSED CHANGE

### 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-UPDATE~~ 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-UPDATE~~ 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.

## EIGHTH PROPOSED CHANGE

### 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-resourceRFC 3312](#) [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 an ~~COMET-UPDATE~~ 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.

## NINTH PROPOSED CHANGE

### 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-UPDATE** 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.

## TENTH PROPOSED CHANGE

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### 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
<b>Capabilities within main protocol</b>				
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
<b>Extensions</b>				
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
<b>17A</b>	<b>the SIP UPDATE method</b>	<b>[31]</b>	<b>c3</b>	<b>m</b>
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.			
<b>c3:</b>	<b>IF A.3/17 THEN m ELSE o - - integration of resource management and SIP</b>			
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	
<del>6</del>	<del>COMET request</del>	<del>[22] 5</del>	<del>e</del>		<del>[22] 5</del>	<del>e</del>	
<del>7</del>	<del>COMET response</del>	<del>[22] 5</del>	<del>e</del>		<del>[22] 5</del>	<del>e</del>	
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
<del>24</del>	<del>UPDATE request</del>	<del>[22] 6.1</del>	<del>c6</del>	<del>c6</del>	<del>[22] 6.2</del>	<del>c6</del>	<del>c6</del>
<del>25</del>	<del>UPDATE response</del>	<del>[22] 6.2</del>	<del>c6</del>	<del>c6</del>	<del>[22] 6.1</del>	<del>c6</del>	<del>c6</del>
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. <del>c6: IF A.3/17A THEN m ELSE n/a - - the SIP update method.</del>							

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.



# ELEVENTH PROPOSED CHANGE

## A.2.1.4.5 COMET method

Void.

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	e		[20] 24.1	e	
2	Accept-Contact	[24] 5.2	e		[24] 5.2	e	
3	Accept-Encoding	[20] 24.2	e		[20] 24.2	e	
4	Accept-Language	[20] 24.3	e		[20] 24.3	e	
5	Allow-Events	[23] 7.5.2	e1	e1	[23] 7.5.2	e2	e2
6	Authorization	[20] 24.7	e3	e3	[20] 24.7	e3	e3
7	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
8	Contact	[20] 24.10	e		[20] 24.10	e	
9	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
10	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
11	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e4	e4	[20] 24.17	m	m
16	Expires	[20] 24.19	e		[20] 24.19	e	
17	From	[20] 24.20	m	m	[20] 24.20	m	m
18	Max-Forwards	[20] 24.22	e	e	[20] 24.22	n/a	n/a
19	MIME-Version	[20] 24.24	e		[20] 24.24	e	
20	Organization	[20] 24.25	e		[20] 24.25	e	
21	Proxy-Authorization	[20] 24.28	e		[20] 24.28	e	
22	Proxy-Require	[20] 24.29	e	n/a	[20] 24.29, [28] 3	n/a	n/a
23	Record-Route	[20] 24.31	e		[20] 24.31	e	
24	Referred-By	[25] 3.3	e5	e5	[25] 3.3	e6	e6
25	Reject-Contact	[24] 5.3	e		[24] 5.3	e	
26	Request-Disposition	[24] 5.5	e		[24] 5.5	e	
27	Require	[20] 24.33, [28] 3	e	e	[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	e		[28] 5.1	e	
30	Subject	[20] 24.38	e		[20] 24.38	e	
31	Supported	[20] 24.39, [26] 7.1	e7	e7	[20] 24.39, [26] 7.1	m	m
32	Timestamp	[20] 24.40	e8	e8	[20] 24.40	m	m
33	To	[20] 24.41	m	m	[20] 24.41	m	m
34	User-Agent	[20] 24.43	e		[20] 24.43	e	
35	Via	[20] 24.44	m	m	[20] 24.44	m	m

e1: IF A.3/21 THEN o ELSE n/a.  
 e2: IF A.3/21 THEN m ELSE n/a.  
 e3: IF A.3/8 THEN m ELSE n/a.  
 e4: IF A.3/10 THEN e ELSE n/a.  
 e5: IF A.3/15 THEN o ELSE n/a.  
 e6: IF A.3/15 THEN m ELSE n/a.  
 e7: IF A.3/16 THEN m ELSE o --- support of timer extension.  
 e8: 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.5/27 — "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	e		[20] 24.1	e	
2	Accept-Encoding	[20] 24.2	e		[20] 24.2	e	
3	Accept-Language	[20] 24.3	e		[20] 24.3	e	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
6	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
7	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
12	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
13	Expires	[20] 24.19	e		[20] 24.19	e	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	e		[20] 24.24	e	
16	Organization	[20] 24.25	e		[20] 24.25	e	
17	Require	[20] 24.33	m	m	[20] 24.33	m	m
18	Server	[20] 24.37	e	e	[20] 24.37	e	e
19	State	[28] 5.1	e		[28] 5.1	e	
20	Supported	[20] 24.39	m	m	[20] 24.39	m	m
21	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
22	To	[20] 24.41	m	m	[20] 24.41	m	m
23	User-Agent	[20] 24.43	e		[20] 24.43	e	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	e		[20] 24.45	e	
e1: — IF A.3/10 THEN e ELSE n/a.							
e2: — 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	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
11	Expires	[20] 24.19	e		[20] 24.19	e	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	e		[20] 24.24	e	
14	Organization	[20] 24.25	e		[20] 24.25	e	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	e	e	[20] 24.37	e	e
17	State	[28] 5.1	e		[28] 5.1	e	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: IF A.3/10 THEN e ELSE n/a. e2: 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	e		[20] 24.10	e	
3	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
11	Expires	[20] 24.19	e		[20] 24.19	e	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	e		[20] 24.24	e	
14	Organization	[20] 24.25	e		[20] 24.25	e	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	e	e	[20] 24.37	e	e
17	State	[28] 5.1	e		[28] 5.1	e	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: ——— IF A.3/10 THEN e ELSE n/a. e2: ——— 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	e		[20] 24.10	e	
3	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
10	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
11	Expires	[20] 24.19	e		[20] 24.19	e	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	e		[20] 24.24	e	
14	Organization	[20] 24.25	e		[20] 24.25	e	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	e	e	[20] 24.37	e	e
17	State	[28] 5.1	e		[28] 5.1	e	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: — IF A.3/10 THEN e ELSE n/a. e2: — 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	e		[20] 24.11	e	
26	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
27	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
32	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
33	Expires	[20] 24.19	e		[20] 24.19	e	
34	From	[20] 24.20	m	m	[20] 24.20	m	m
35	MIME-Version	[20] 24.24	e		[20] 24.24	e	
36	Organization	[20] 24.25	e		[20] 24.25	e	
37	Proxy-Authenticate	[20] 24.27	e		[20] 24.27	e	
38	Require	[20] 24.33	m	m	[20] 24.33	m	m
39	Server	[20] 24.37	e	e	[20] 24.37	e	e
40	State	[28] 5.1	e		[28] 5.1	e	
41	Supported	[20] 24.39	m	m	[20] 24.39	m	m
42	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
43	To	[20] 24.41	m	m	[20] 24.41	m	m
44	User-Agent	[20] 24.43	e		[20] 24.43	e	
45	Via	[20] 24.44	m	m	[20] 24.44	m	m
46	Warning	[20] 24.45	e		[20] 24.45	e	
e1: — IF A.3/10 THEN e ELSE n/a. e2: — 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	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Record-Route	[20] 24.31	e		[20] 24.31	e	
15	Require	[20] 24.33	m	m	[20] 24.33	m	m
16	Server	[20] 24.37	e	e	[20] 24.37	e	e
17	State	[28] 5.1	e		[28] 5.1	e	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: ——— IF A.3/10 THEN e ELSE n/a.							
e2: ——— 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	e		[20] 24.11	e	
3	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
4	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Server	[20] 24.37	e	e	[20] 24.37	e	e
16	State	[28] 5.1	e		[28] 5.1	e	
17	Supported	[20] 24.39	m	m	[20] 24.39	m	m
18	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: — IF A.3/10 THEN e ELSE n/a.							
e2: — 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	e		[20] 24.11	e	
3	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
4	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1	[20] 24.17	m	m
9	Error-Info	[20] 24.18	e	e	[20] 24.18	e	e
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Require	[20] 24.33	m	m	[20] 24.33	m	m
15	Retry-After	[20] 24.34 24.3424.34	e	e	[20] 24.34	e	e
16	Server	[20] 24.37	e	e	[20] 24.37	e	e
17	State	[28] 5.1	e		[28] 5.1	e	
18	Supported	[20] 24.39	m	m	[20] 24.39	m	m
19	Timestamp	[20] 24.40	m	m	[20] 24.40	e2	e2
20	To	[20] 24.41	m	m	[20] 24.41	m	m
21	User-Agent	[20] 24.43	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
		e1: IF A.3/10 THEN e ELSE n/a.					
		e2: 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							

# TWELTH PROPOSED CHANGE - NEW CLAUSE

## A.2.1.4.14 UPDATE method

Prerequisite A.4/24 – UPDATE request

**Table A.149A: Supported headers within the UPDATE request**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 20.1	o		[20] 20.1	o	
2	Accept-Encoding	[20] 20.2	o		[20] 20.2	o	
3	Accept-Language	[20] 20.3	o		[20] 20.3	o	
4	Allow	[20] 20.5	o		[20] 20.5	o	
5	Allow-Events	[23] 8.2.2	c2	c2	[23] 8.2.2	c3	c3
6	Authorization	[20] 20.7	c4	c4	[20] 20.7	c4	c4
7	Call-ID	[20] 20.8	m	m	[20] 20.8	m	m
8	Call-Info	[20] 20.9	o		[20] 20.9	o	
9	Contact	[20] 20.10	o		[20] 20.10	o	
10	Content-Disposition	[20] 20.11	o		[20] 20.11	o	
11	Content-Encoding	[20] 20.12	o		[20] 20.12	o	
12	Content-Language	[20] 20.13	o		[20] 20.13	o	
13	Content-Length	[20] 20.14	m	m	[20] 20.14	m	m
14	Content-Type	[20] 20.15	m	m	[20] 20.15	m	m
15	Cseq	[20] 20.16	m	m	[20] 20.16	m	m
16	Date	[20] 20.17	c5	c5	[20] 20.17	m	m
17	From	[20] 20.20	m	m	[20] 20.20	m	m
18	Max-Forwards	[20] 20.22	o	o	[20] 20.22	n/a	n/a
19	MIME-Version	[20] 20.24	o		[20] 20.24	o	
20	Organization	[20] 20.25	o		[20] 20.25	o	
21	Proxy-Authorization	[20] 20.28	o		[20] 20.28	o	
22	Proxy-Require	[20] 20.29	o	n/a	[20] 20.29	n/a	n/a
23	Record-Route	[20] 20.30	n/a	n/a	[20] 20.30	n/a	n/a
24	Require	[20] 20.32	o	o	[20] 20.32	m	m
25	Route	[20] 20.34	m	m	[20] 20.34	n/a	n/a
26	Supported	[20] 20.37	c8	c8	[20] 20.37	m	m
27	Timestamp	[20] 20.38	c9	c9	[20] 20.38	m	m
28	To	[20] 20.39	m	m	[20] 20.39	m	m
29	User-Agent	[20] 20.41	o		[20] 20.41	o	
30	Via	[20] 20.42	m	m	[20] 20.42	m	m
c1:		IF A.3/11 THEN o ELSE n/a.					
c2:		IF A.3/21 THEN o ELSE n/a.					
c3:		IF A.3/21 THEN m ELSE n/a.					
c4:		IF A.3/8 THEN m ELSE n/a.					
c5:		IF A.3/10 THEN o ELSE n/a.					
c6:		IF A.3/15 THEN o ELSE n/a.					
c7:		IF A.3/15 THEN m ELSE n/a.					
c8:		IF A.3/16 THEN m ELSE o -- support of timer extension.					
c9:		IF A.3/7 THEN o ELSE n/a.					

**Table A.149B: Supported message bodies within the UPDATE request**

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

Prerequisite A.4/25 – UPDATE response

**Table A.19D: Supported headers within the BYE response - all remaining status-codes**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 20.8	m	m	[20] 20.8	m	m
2	Content-Disposition	[20] 20.11	o		[20] 20.11	o	
3	Content-Encoding	[20] 20.12	o		[20] 20.12	o	
4	Content-Language	[20] 20.13	o		[20] 20.13	o	
5	Content-Length	[20] 20.14	m	m	[20] 20.14	m	m
6	Content-Type	[20] 20.15	m	m	[20] 20.15	m	m
7	Cseq	[20] 20.16	m	m	[20] 20.16	m	m
8	Date	[20] 20.17	c1	c1	[20] 20.17	m	m
9	From	[20] 20.20	m	m	[20] 20.20	m	m
10	MIME-Version	[20] 20.24	o		[20] 20.24	o	
11	Timestamp	[20] 20.38	m	m	[20] 20.38	c2	c2
12	To	[20] 20.39	m	m	[20] 20.39	m	m
13	Via	[20] 20.42	m	m	[20] 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.4/25 – UPDATE response

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

**Table A.149E: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 20.1	o		[20] 20.1	o	
2	Accept-Encoding	[20] 20.2	o		[20] 20.2	o	
3	Accept-Language	[20] 20.3	o		[20] 20.3	o	
4	Allow	[20] 20.5	o		[20] 20.5	o	
5	Call-Info	[20] 20.9	o		[20] 20.9	o	
6	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
7	Organization	[20] 20.25	o		[20] 20.25	o	
8	Require	[20] 20.32	m	m	[20] 20.32	m	m
9	Server	[20] 20.35	o	o	[20] 20.35	o	o
10	Supported	[20] 20.37	m	m	[20] 20.37	m	m
11	User-Agent	[20] 20.41	o		[20] 20.41	o	
12	Warning	[20] 20.43	o		[20] 20.43	o	

Prerequisite A.4/25 – UPDATE response

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

**Table A.149F: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 20.5	m		[20] 20.5	m	
2	Call-Info	[20] 20.9	o		[20] 20.9	o	
3	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
4	Organization	[20] 20.25	o		[20] 20.25	o	
5	Require	[20] 20.32	m	m	[20] 20.33	m	m
6	Server	[20] 20.35	o	o	[20] 20.37	o	o
7	Supported	[20] 20.37	m	m	[20] 20.37	m	m
8	User-Agent	[20] 20.41	o		[20] 20.41	o	
9	Warning	[20] 20.43	o		[20] 20.43	o	

Prerequisite A.4/25 – UPDATE 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.149G: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 20.9	o		[20] 20.9	o	
2	Contact	[20] 20.10	o		[20] 20.10	o	
3	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
4	Organization	[20] 20.25	o		[20] 20.25	o	
5	Require	[20] 20.32	m	m	[20] 20.33	m	m
6	Server	[20] 20.35	o	o	[20] 20.35	o	o
7	Supported	[20] 20.37	m	m	[20] 20.37	m	m
8	User-Agent	[20] 20.41	o		[20] 20.41	o	
9	Warning	[20] 20.43	o		[20] 20.43	o	

Prerequisite A.4/25 – UPDATE response

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

**Table A.149H: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 20.9	o		[20] 20.9	o	
2	Contact	[20] 20.10	o		[20] 20.10	o	
3	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
4	Organization	[20] 20.25	o		[20] 20.25	o	
5	Require	[20] 20.32	m	m	[20] 20.32	m	m
6	Server	[20] 20.35	o	o	[20] 20.35	o	o
7	Supported	[20] 20.37	m	m	[20] 20.37	m	m
8	User-Agent	[20] 20.41	o		[20] 20.41	o	
9	Warning	[20] 20.43	o		[20] 20.43	o	

Prerequisite A.4/25 – UPDATE response

Prerequisite: A.5/20 – 407

**Table A.149I: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 20.9	o		[20] 20.9	o	
2	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
3	Organization	[20] 20.25	o		[20] 20.25	o	
4	Proxy-Authenticate	[20] 20.27	o		[20] 20.27	o	
5	Require	[20] 20.32	m	m	[20] 20.32	m	m
6	Server	[20] 20.35	o	o	[20] 20.35	o	o
7	Supported	[20] 20.37	m	m	[20] 20.37	m	m
8	User-Agent	[20] 20.41	o		[20] 20.41	o	
9	Warning	[20] 20.43	o		[20] 20.43	o	

[Prerequisite A.4/25 – UPDATE response](#)

[Prerequisite: A.5/6 – 2xx](#)

**Table A.149J: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Allow	[20] 20.5	m		[20] 20.5	m	
2	Call-Info	[20] 20.9	o		[20] 20.9	o	
3	Organization	[20] 24.25	o		[20] 24.25	o	
4	Require	[20] 20.31	m	m	[20] 20.31	m	m
5	Server	[20] 20.35	o	o	[20] 20.35	o	o
6	Supported	[20] 20.37	m	m	[20] 20.37	m	m
7	User-Agent	[20] 20.41	o		[20] 20.41	o	
8	Warning	[20] 20.43	o		[20] 20.43	o	

[Prerequisite A.4/25 – UPDATE response](#)

[Prerequisite: A.5/28 – 420](#)

**Table A.149K: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 20.9	o		[20] 20.9	o	
2	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
3	Organization	[20] 20.25	o		[20] 20.25	o	
4	Require	[20] 20.32	m	m	[20] 20.32	m	m
5	Server	[20] 20.35	o	o	[20] 20.35	o	o
6	Supported	[20] 20.37	m	m	[20] 20.37	m	m
7	Unsupported	[20] 20.40	m	m	[20] 20.40	m	m
8	User-Agent	[20] 20.41	o		[20] 20.41	o	
9	Warning	[20] 20.43	o		[20] 20.43	o	

[Prerequisite A.4/25 – UPDATE 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.149L: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 20.9	o		[20] 20.9	o	
2	Error-Info	[20] 20.18	o	o	[20] 20.18	o	o
3	Organization	[20] 20.25	o		[20] 20.25	o	
4	Require	[20] 20.32	m	m	[20] 20.32	m	m
5	Retry-After	[20] 20.33	o	o	[20] 20.33	o	o
6	Server	[20] 20.35	o	o	[20] 20.35	o	o
7	Supported	[20] 20.37	m	m	[20] 20.37	m	m
8	User-Agent	[20] 20.41	o		[20] 20.41	o	
9	Warning	[20] 20.43	o		[20] 20.43	o	

**Table A.149M: Supported message bodies within the UPDATE response**

<u>Item</u>	<u>Header</u>	<u>Sending</u>			<u>Receiving</u>		
		<u>Ref.</u>	<u>RFC status</u>	<u>Profile status</u>	<u>Ref.</u>	<u>RFC status</u>	<u>Profile status</u>
<u>1</u>							

## THIRTEENTH PROPOSED CHANGE

### A.2.2.2 Major capabilities

**Table A.150: Major capabilities**

Item	Does the implementation support	Reference	RFC status	Profile status
	<b>Capabilities within main protocol</b>			
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
	<b>Extensions</b>			
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
<b>23A</b>	<b>the SIP UPDATE method</b>	<b>[31]</b>	<b>c1</b>	<b>m</b>
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
<b>c1:</b>	<b>IF A.150/23 THEN m ELSE o - - integration of resource management and SIP</b>			
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
<del>6</del>	<del>COMET request</del>	<del>[22] 5</del>	<del>e</del>	<del>m</del>	<del>[22] 5</del>	<del>e</del>	<del>m</del>
<del>7</del>	<del>COMET response</del>	<del>[22] 5</del>	<del>e</del>	<del>m</del>	<del>[22] 5</del>	<del>e</del>	<del>m</del>
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
<del>24</del>	<del>UPDATE request</del>	<del>[22] 7</del>	<del>c4</del>	<del>c4</del>	<del>[22] 7</del>	<del>c4</del>	<del>c4</del>
<del>25</del>	<del>UPDATE response</del>	<del>[22] 7</del>	<del>c4</del>	<del>c4</del>	<del>[22] 7</del>	<del>c4</del>	<del>c4</del>
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.						
<del>c4:</del>	<del>IF A.150/23A THEN m ELSE n/a - - the SIP UPDATE method.</del>						



# FOURTEENTH PROPOSED CHANGE

## A.2.2.4.5 COMET method

Void.

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	e		[20] 24.1	e	
2	Accept-Contact	[24] 5.2	e		[24] 5.2	e	
3	Accept-Encoding	[20] 24.2	e		[20] 24.2	e	
4	Accept-Language	[20] 24.3	e		[20] 24.3	e	
5	Allow-Events	[23] 7.5.2	m	m	[23] 7.5.2	e1	e1
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	e		[20] 24.10	e	
9	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
10	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
11	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e2	e2
16	Expires	[20] 24.19	e		[20] 24.19	e	
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	e		[20] 24.24	e	
20	Organization	[20] 24.25	e		[20] 24.25	e	
21	Proxy-Authorization	[20] 24.28	e		[20] 24.28	e	
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	e3	e3	[25] 3.3	e4	e4
25	Reject-Contact	[24] 5.3	e		[24] 5.3	e	
26	Request-Disposition	[24] 5.5	e		[24] 5.5	e	
27	Require	[20] 24.33, [28] 3	m	m	[20] 24.33, [28] 3	e5	e5
28	Route	[20] 24.35	m	m	[20] 24.35	m	m
29	State	[28] 5.1	e		[28] 5.1	e	
30	Subject	[20] 24.38	e		[20] 24.38	e	
31	Supported	[20] 24.39, [26] 8.1	m	m	[20] 24.39, [26] 8.1	e6	e6
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	e		[20] 24.43	e	
35	Via	[20] 24.44	m	m	[20] 24.44	m	m
e1: — IF A.3/21 THEN m ELSE i. e2: — IF A.150/9 THEN m ELSE i. e3: — IF A.150/21 THEN m ELSE n/a. e4: — IF A.150/21 THEN i ELSE n/a. e5: — IF A.150/11 OR A.150/13 THEN m ELSE i. e6: — IF A.150/14 THEN m ELSE i.							
NOTE: — e1 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
4							

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	e		[20] 24.1	e	
2	Accept-Encoding	[20] 24.2	e		[20] 24.2	e	
3	Accept-Language	[20] 24.3	e		[20] 24.3	e	
4	Call-ID	[20] 24.8	m	m	[20] 24.8	m	m
5	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
6	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
7	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
12	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
13	Expires	[20] 24.19	e		[20] 24.19	e	
14	From	[20] 24.20	m	m	[20] 24.20	m	m
15	MIME-Version	[20] 24.24	e		[20] 24.24	e	
16	Organization	[20] 24.25	e		[20] 24.25	e	
17	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
18	Server	[20] 24.37	m	m	[20] 24.37	i	i
19	State	[28] 5.1	e		[28] 5.1	e	
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	e		[20] 24.43	e	
24	Via	[20] 24.44	m	m	[20] 24.44	m	m
25	Warning	[20] 24.45	e		[20] 24.45	e	
e1: --- IF A.150/9 THEN m ELSE i.							
e2: --- 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	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	e		[20] 24.19	e	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	e		[20] 24.24	e	
14	Organization	[20] 24.25	e		[20] 24.25	e	
15	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	e		[28] 5.1	e	
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: IF A.150/9 THEN m ELSE i.							
e2: 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	e		[20] 24.10	e	
3	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	e		[20] 24.19	e	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	e		[20] 24.24	e	
14	Organization	[20] 24.25	e		[20] 24.25	e	
15	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	e		[28] 5.1	e	
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: --- IF A.150/9 THEN m ELSE i.							
e2: --- 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	e		[20] 24.10	e	
3	Content-Disposition	[20] 24.11	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
10	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
11	Expires	[20] 24.19	e		[20] 24.19	e	
12	From	[20] 24.20	m	m	[20] 24.20	m	m
13	MIME-Version	[20] 24.24	e		[20] 24.24	e	
14	Organization	[20] 24.25	e		[20] 24.25	e	
15	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	e		[28] 5.1	e	
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: --- IF A.150/9 THEN m ELSE i.							
e2: --- 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	e		[20] 24.11	e	
3	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
4	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Proxy-Authenticate	[20] 24.27	e		[20] 24.27	e	
15	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	e		[28] 5.1	e	
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: IF A.150/9 THEN m ELSE i. e2: 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	e		[20] 24.11	e	
4	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
5	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Record-Route	[20] 24.31	m	m	[20] 24.31	m	m
15	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
16	Server	[20] 24.37	m	m	[20] 24.37	i	i
17	State	[28] 5.1	e		[28] 5.1	e	
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: --- IF A.150/9 THEN m ELSE i.							
e2: --- 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	e1	e1
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
e1: --- 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	e		[20] 24.11	e	
3	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
4	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
15	Server	[20] 24.37	m	m	[20] 24.37	i	i
16	State	[28] 5.1	e		[28] 5.1	e	
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	e3	e3
21	User-Agent	[20] 24.43	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: IF A.150/9 THEN m ELSE i. e2: IF A.150/11 OR A.150/13 THEN m ELSE i. e3: 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	e		[20] 24.11	e	
3	Content-Encoding	[20] 24.12	e		[20] 24.12	e	
4	Content-Language	[20] 24.13	e		[20] 24.13	e	
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	e1	e1
9	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
10	Expires	[20] 24.19	e		[20] 24.19	e	
11	From	[20] 24.20	m	m	[20] 24.20	m	m
12	MIME-Version	[20] 24.24	e		[20] 24.24	e	
13	Organization	[20] 24.25	e		[20] 24.25	e	
14	Require	[20] 24.33	m	m	[20] 24.33	e2	e2
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	e		[28] 5.1	e	
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	e		[20] 24.43	e	
22	Via	[20] 24.44	m	m	[20] 24.44	m	m
23	Warning	[20] 24.45	e		[20] 24.45	e	
e1: --- IF A.150/9 THEN m ELSE i.							
e2: --- 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							

**FIFTEENTH PROPOSED CHANGE - NEW CLAUSE**

**A.2.2.4.14 UPDATE method**

Prerequisite A.151/24 - - UPDATE request

**Table A.293A: Supported headers within the UPDATE request**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Accept	[20] 20.1	o		[20] 20.1	o	
2	Accept-Encoding	[20] 20.2	o		[20] 20.2	o	
3	Accept-Language	[20] 20.3	o		[20] 20.3	o	
4	Allow	[20] 20.5	o		[20] 20.5	o	
5	Allow-Events	[23] 8.2.2	m	m	[23] 8.2.2	c1	c1
6	Authorization	[20] 20.7	m	m	[20] 20.7	i	i
7	Call-ID	[20] 20.8	m	m	[20] 20.8	m	m
8	Call-Info	[20] 20.9	o		[20] 20.9	o	
9	Contact	[20] 20.10	o		[20] 20.10	o	
10	Content-Disposition	[20] 20.11	o		[20] 20.11	o	
11	Content-Encoding	[20] 20.12	o		[20] 20.12	o	
12	Content-Language	[20] 20.13	o		[20] 20.13	o	
13	Content-Length	[20] 20.14	m	m	[20] 20.14	m	m
14	Content-Type	[20] 20.15	m	m	[20] 20.15	m	m
15	Cseq	[20] 20.16	m	m	[20] 20.16	m	m
16	Date	[20] 20.17	m	m	[20] 20.17	c2	c2
17	From	[20] 20.20	m	m	[20] 20.20	m	m
18	Max-Forwards	[20] 20.22	m	m	[20] 20.22	m	m
19	MIME-Version	[20] 20.24	o		[20] 20.24	o	
20	Organization	[20] 20.25	o		[20] 20.25	o	
21	Proxy-Authorization	[20] 20.28	o		[20] 20.28	o	
22	Proxy-Require	[20] 20.29	m	m	[20] 20.29	m	m
23	Record-Route	[20] 20.30	m	m	[20] 20.30	c7	c7
24	Require	[20] 20.32	m	m	[20] 20.32	c5	c5
25	Route	[20] 20.34	m	m	[20] 20.34	m	m
26	Supported	[20] 20.37	m	m	[20] 20.37	c6	c6
27	Timestamp	[20] 20.38	m	m	[20] 20.38	i	i
28	To	[20] 20.39	m	m	[20] 20.39	m	m
29	User-Agent	[20] 20.41	o		[20] 20.41	o	
30	Via	[20] 20.42	m	m	[20] 20.42	m	m
c1:		IF A.3/21 THEN m ELSE i.					
c2:		IF A.150/9 THEN m ELSE i.					
c5:		IF A.150/11 OR A.150/13 THEN m ELSE i.					
c6:		IF A.150/14 THEN m ELSE i.					
c7:		IF A.150/13A THEN o ELSE i.					
NOTE:		c1 refers to the UA role major capability as this is the case of a proxy that also acts as a UA specifically for SUBSCRIBE and NOTIFY.					

**Table A.293B: Supported message bodies within the UPDATE request**

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

Prerequisite A.151/25 – INVITE response

**Table A.293D: Supported headers within the BYE response - all remaining status-codes**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-ID	[20] 20.8	m	m	[20] 20.8	m	m
2	Content-Disposition	[20] 20.11	o		[20] 20.11	o	
3	Content-Encoding	[20] 20.12	o		[20] 20.12	o	
4	Content-Language	[20] 20.13	o		[20] 20.13	o	
5	Content-Length	[20] 20.14	m	m	[20] 20.14	m	m
6	Content-Type	[20] 20.15	m	m	[20] 20.15	m	m
7	Cseq	[20] 20.16	m	m	[20] 20.16	m	m
8	Date	[20] 20.17	m	m	[20] 20.17	c1	c1
9	From	[20] 20.20	m	m	[20] 20.20	m	m
10	MIME-Version	[20] 20.24	o		[20] 20.24	o	
11	Timestamp	[20] 20.38	o		[20] 20.38	o	
12	To	[20] 20.39	m	m	[20] 20.39	m	m
13	Via	[20] 20.42	m	m	[20] 20.42	m	m
c1:		IF A.150/9 THEN m ELSE i.					

Prerequisite A.151/25 - - UPDATE response

Prerequisite: A.152/27 -- "415" Unsupported Media Type

**Table A.293E: Supported headers within the UPDATE 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	Allow	[20] 20.5	o		[20] 20.5	o	
5	Call-Info	[20] 24.9	o		[20] 24.9	o	
6	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
7	Organization	[20] 24.25	o		[20] 24.25	o	
8	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
9	Server	[20] 24.37	m	m	[20] 24.37	i	i
10	Supported	[20] 24.39	m	m	[20] 24.39	i	i
11	User-Agent	[20] 24.43	o		[20] 24.43	o	
12	Warning	[20] 24.45	o		[20] 24.45	o	
c2:		IF A.150/11 OR A.150/13 THEN m ELSE i.					

Prerequisite A.151/25 - - UPDATE response

Prerequisite: A.152/18 -- "405" Method Not Allowed

**Table A.293F: Supported headers within the UPDATE 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-Info	[20] 24.9	o		[20] 24.9	o	
3	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
4	Organization	[20] 24.25	o		[20] 24.25	o	
5	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
6	Server	[20] 24.37	m	m	[20] 24.37	i	i
7	Supported	[20] 24.39	m	m	[20] 24.39	i	i
8	User-Agent	[20] 24.43	o		[20] 24.43	o	
9	Warning	[20] 24.45	o		[20] 24.45	o	
c2: IF A.150/11 OR A.150/13 THEN m ELSE i.							

Prerequisite A.151/25 - - UPDATE 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.293G: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 24.9	o		[20] 24.9	o	
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
4	Organization	[20] 24.25	o		[20] 24.25	o	
5	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
6	Server	[20] 24.37	m	m	[20] 24.37	i	i
7	Supported	[20] 24.39	m	m	[20] 24.39	i	i
8	User-Agent	[20] 24.43	o		[20] 24.43	o	
9	Warning	[20] 24.45	o		[20] 24.45	o	
c2: IF A.150/11 OR A.150/13 THEN m ELSE i.							

Prerequisite A.151/25 - - UPDATE response

Prerequisite: A.152/8 OR A.152/9 OR A.152/10 OR A.152/11 OR A.152/12 - - 3xx

**Table A.293H: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 24.9	o		[20] 24.9	o	
2	Contact	[20] 24.10	o		[20] 24.10	o	
3	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
4	From	[20] 24.20	m	m	[20] 24.20	m	m
5	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
6	Server	[20] 24.37	m	m	[20] 24.37	i	i
7	Supported	[20] 24.39	m	m	[20] 24.39	i	i
8	User-Agent	[20] 24.43	o		[20] 24.43	o	
9	Warning	[20] 24.45	o		[20] 24.45	o	
c2: IF A.150/11 OR A.150/13 THEN m ELSE i.							

[Prerequisite A.151/25 - - UPDATE response](#)

[Prerequisite: A.152/20 - - 407](#)

**Table A.293I: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 24.9	o		[20] 24.9	o	
2	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
3	Organization	[20] 24.25	o		[20] 24.25	o	
4	Proxy-Authenticate	[20] 24.27	o		[20] 24.27	o	
5	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
6	Server	[20] 24.37	m	m	[20] 24.37	i	i
7	Supported	[20] 24.39	m	m	[20] 24.39	i	i
8	User-Agent	[20] 24.43	o		[20] 24.43	o	
9	Warning	[20] 24.45	o		[20] 24.45	o	
c2:		IF A.150/11 OR A.150/13 THEN m ELSE i.					

[Prerequisite A.151/25 - - UPDATE response](#)

[Prerequisite: A.152/6 - - 2xx](#)

**Table A.293J: Supported headers within the UPDATE 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-Info	[20] 24.9	o		[20] 24.9	o	
3	Organization	[20] 24.25	o		[20] 24.25	o	
4	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
5	Server	[20] 24.37	m	m	[20] 24.37	i	i
6	Supported	[20] 24.39	m	m	[20] 24.39	i	i
7	User-Agent	[20] 24.43	o		[20] 24.43	o	
8	Warning	[20] 24.45	o		[20] 24.45	o	
c2:		IF A.150/11 OR A.150/13 THEN m ELSE i.					
c3:		IF A.150/13B THEN o ELSE i.					

[Prerequisite A.151/25 - - UPDATE response](#)

[Prerequisite: A.152/28 - - 420](#)

**Table A.293K: Supported headers within the UPDATE response**

Item	Header	Sending			Receiving		
		Ref.	RFC status	Profile status	Ref.	RFC status	Profile status
1	Call-Info	[20] 24.9	o		[20] 24.9	o	
2	Error-Info	[20] 24.18	m	m	[20] 24.18	i	i
3	Organization	[20] 24.25	o		[20] 24.25	o	
4	Require	[20] 24.33	m	m	[20] 24.33	c2	c2
5	Server	[20] 24.37	m	m	[20] 24.37	i	i
6	Supported	[20] 24.39	m	m	[20] 24.39	i	i
7	Unsupported	[20] 24.42	m	m	[20] 24.42	c3	c3
8	User-Agent	[20] 24.43	o		[20] 24.43	o	
9	Warning	[20] 24.45	o		[20] 24.45	o	
c2:		IF A.150/11 OR A.150/13 THEN m ELSE i.					
c3:		IF A.150/16 THEN m ELSE i.					

Prerequisite A.151/25 - - UPDATE 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.293L: Supported headers within the UPDATE response**

<u>Item</u>	<u>Header</u>	<u>Sending</u>			<u>Receiving</u>		
		<u>Ref.</u>	<u>RFC status</u>	<u>Profile status</u>	<u>Ref.</u>	<u>RFC status</u>	<u>Profile status</u>
<u>1</u>	<u>Call-Info</u>	<u>[20] 24.9</u>	<u>o</u>		<u>[20] 24.9</u>	<u>o</u>	
<u>2</u>	<u>Error-Info</u>	<u>[20] 24.18</u>	<u>m</u>	<u>m</u>	<u>[20] 24.18</u>	<u>i</u>	<u>i</u>
<u>3</u>	<u>Organization</u>	<u>[20] 24.25</u>	<u>o</u>		<u>[20] 24.25</u>	<u>o</u>	
<u>4</u>	<u>Require</u>	<u>[20] 24.33</u>	<u>m</u>	<u>m</u>	<u>[20] 24.33</u>	<u>c2</u>	<u>c2</u>
<u>5</u>	<u>Retry-After</u>	<u>[20] 24.34</u>	<u>m</u>	<u>m</u>	<u>[20] 24.34</u>	<u>i</u>	<u>i</u>
<u>6</u>	<u>Server</u>	<u>[20] 24.37</u>	<u>m</u>	<u>m</u>	<u>[20] 24.37</u>	<u>i</u>	<u>i</u>
<u>7</u>	<u>Supported</u>	<u>[20] 24.39</u>	<u>m</u>	<u>m</u>	<u>[20] 24.39</u>	<u>i</u>	<u>i</u>
<u>8</u>	<u>User-Agent</u>	<u>[20] 24.43</u>	<u>o</u>		<u>[20] 24.43</u>	<u>o</u>	
<u>9</u>	<u>Warning</u>	<u>[20] 24.45</u>	<u>o</u>		<u>[20] 24.45</u>	<u>o</u>	
<u>c2:</u>		<u>IF A.150/11 OR A.150/13 THEN m ELSE i.</u>					

**Table A.293M: Supported message bodies within the UPDATE response**

<u>Item</u>	<u>Header</u>	<u>Sending</u>			<u>Receiving</u>		
		<u>Ref.</u>	<u>RFC status</u>	<u>Profile status</u>	<u>Ref.</u>	<u>RFC status</u>	<u>Profile status</u>
<u>1</u>							