

**3GPP TSG-CN #18**  
**New Orleans, USA**  
**4 – 6 December 2002**

**Tdoc 3GPP NP-020645**

**Source:** TSG-CN chairman  
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**Subject:** IETF status report

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## 1. Executive Summary

All critical release 5 drafts expected to be completed in Dec 2002 except for diameter drafts. Diameter base expected to complete in January.

Compromise reached with IETF on use of diameter. 3GPP will be allocated permanent command codes for Release 5 for use in Cx/Dx and Sh. For release 6, 3GPP should work with IETF to develop a full multimedia AAA application.

## 2. Statistics

Drafts being tracked:

Release 4: 2

Release 5: 45

Release 6: 21

Drafts not yet approved by IESG (technical stability)

Release 4: 0

Release 5: 9

Release 6: 20

Drafts not yet published as RFCs (formally available)

Release 4: 0

Release 5: 29

Release 6: 21

Drafts approved by IESG since TSG#17: 8

Drafts published as RFCs since TSG#17: 7

## 3. Significant Developments

All Release 5 dependencies (except diameter base and nasreq) are expected to be approved by the IESG before the end of the year. This includes all the expected SIP and security drafts. Diameter base should be approved in January. No date known for nasreq, but dependency is minor.

IANA will be instructed to allocate a set of permanent command codes to 3GPP for use with Diameter in Release 5. The intention is to replace this with an IETF standardized application in Release 6. This work is now chartered in AAA.

The credit control draft work has not progressed far enough in the IETF to be useful to 3gpp. The current draft will be copied into 33.225 and work will continue in the IETF. This item is now chartered.

IETF dependencies for Release 6 now starting to crystallize. Conference calls to progress this work anticipated to begin in January.

IETF now provides a tracking tool to allow the tracking of internet drafts  
(<https://datatracker.ietf.org/public/pidtracker.cgi>).

RFC editor production is improving after difficulties due to manpower and workflow.

Please see attached dependency table for latest status on individual drafts.

# 3GPP IETF Dependencies and Priorities

## Notes:

- a. This dependency and priority is based on the information available as of December 2, 2002
- b. The 3GPP Requirement is that these IDs be stable and RFC numbers be available to allow 3GPP to reference them.
- c. Where individual IDs are listed, there is a desire that an ID providing similar requirements or functionality be progressed within the working group.
- d. The “Definite” column indicates how firm the 3GPP requirement for this ID is. Those listed as Possible are still under discussion (or in some cases not yet discussed in 3GPP).
- e. The “3GPP Priority” column indicates whether this functionality is deemed essential for the functioning of IMS or some planned 3GPP feature. Desirable indicates that major functionality will be sacrificed if this ID is not ready.
- f. The UID (Unique ID) refers to the ID in the 3GPP workplan.
- g. Items with a high risk of not being complete in time are marked in yellow. Completed items are in green.
- h. Dependency information compiled by Stephen Hayes, 3GPP TSG-CN Chair ([stephen.hayes@ericsson.com](mailto:stephen.hayes@ericsson.com), +1 469 360 8500)

## 3GPP Dependency Table

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
1	RTP payload format and file storage format for AMR and AMR-WB audio	<a href="http://www.ietf.org/internet-drafts/draft-ietf-avi-rtp-amr-13.txt">http://www.ietf.org/internet-drafts/draft-ietf-avi-rtp-amr-13.txt</a>	COMPLETED	Definite	Critical	Needed for speech within Streaming and IMS appl	Copy is included in 3GPP specs. Increasing risk of divergence.	SA4	Rel 4	11004	AVT	At RFC Editor, RFC# allocated	Reviewed by IESG	7Mar 02
2	SS7 MTP3-User Adaptation Layer (M3UA)	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sigtran-m3ua-12.txt">http://www.ietf.org/internet-drafts/draft-ietf-sigtran-m3ua-12.txt</a>	COMPLETED	Definite	Critical	SS7/IP	Copy is included in 3GPP specs. Increasing risk of divergence	CN4 RAN3	Rel 4 (R'99 also)		SIGTRAN	At RFC Editor, Awaiting RFC#	Reviewed by IESG	Mar02

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
3	Support for IPv6 in SDP	<a href="http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-ipv6-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-ipv6-02.txt</a>	COMPLETED	Definite	Critical	Carry Ipv6 addr in SDP	IMS Cannot use IPv6	CN1	Rel 5		MMUSIC	At RFC Editor, RFC# allocated	Reviewed by IESG	7Mar02
4	An Offer/Answer Model with SDP	<a href="http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-offer-answer-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-offer-answer-02.txt</a>	COMPLETED	Definite	Critical	Negotiate SDP streams	IMS cannot negotiate SDP characteristics	CN1	Rel 5		MMUSIC	At RFC Editor, RFC# allocated	21Feb02	7Mar02
5	SIP: Session Initiation Protocol	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-rfc2543bis-09.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-rfc2543bis-09.txt</a>	COMPLETED	Definite	Critical	SIP baseline for IMS	No baseline	CN1	Rel 5	2521	SIP	At RFC Editor, RFC# allocated	21Feb02	7Mar02
6	Reliability of Provisional Responses in SIP	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-100rel-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-100rel-06.txt</a>	COMPLETED	Definite	Critical	Reliable responses	Progress signalling not reliable	CN1	Rel 5		SIP	At RFC Editor, RFC# allocated	21Feb02	7Mar02
7	SIP: Locating SIP Servers	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-srv-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-srv-06.txt</a>	COMPLETED	Definite	Critical	Resolving SIP servers using DNS	Cannot locate SIP servers using DNS	CN1	Rel 5		SIP	At RFC Editor, RFC# allocated	21Feb02	7Mar02
8	SIP-Specific Event Notification	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-events-05.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-events-05.txt</a>	COMPLETED	Definite	Critical	Needed for registration	Used in base IMS flows. IMS not viable without it.	CN1	Rel 5	11000	SIP	At RFC Editor, RFC# allocated	21Feb02	7Mar02
9	Diameter Base Protocol	<a href="http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-15.txt">http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-15.txt</a>	LATE	Definite	Critical	Authentication and Authorization	Only GPRS specific security provided	CN4 SA5	Rel 5 Late	11011	AAA	In IESG Evaluation	31Dec02	No date
10	Provisional Diameter Command Codes for 3GPP Release 5	<a href="http://www.ietf.org/internet-drafts/draft-loughney-aaa-cc-3gpp-00.txt">http://www.ietf.org/internet-drafts/draft-loughney-aaa-cc-3gpp-00.txt</a>	LATE	Definite	Critical	Allocation of cmd codes	IANA will not allocate cmd codes needed by Cx/Dx, Sh.	CN4	Rel 5 Late		AAA	ID exists	31Dec02	No date
11	Diameter NASREQ Application	<a href="http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-nasreq-09.txt">http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-nasreq-09.txt</a>	LATE	Definite	Desirable	Uses session key AVP	Redefine session key AVP	CN4	Rel 5 Late		AAA	AD watching	No date	No date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
12	SDP Bandwidth Modifiers for RTCP Bandwidth	<a href="http://www.ietf.org/internet-drafts/draft-avi-rtcp-bw-05.txt">http://www.ietf.org/internet-drafts/draft-avi-rtcp-bw-05.txt</a>	COMPLETED except for RFC#	Definite	Desirable	Specification of RTCP parameters in SDP	Cannot allocate separate media for RTCP	SA4	Rel 5 Late		AVT	RFC Editor Queue	20May02	No Date
13	Differentiated Services Quality of Service Policy Information Base	<a href="http://www.ietf.org/internet-drafts/draft-ietf-diffserv-pib-08.txt">http://www.ietf.org/internet-drafts/draft-ietf-diffserv-pib-08.txt</a>	COMPLETED	Possible	Desirable	Use of COPS for control of 3GPP resources	must replicate relevant information in Go PIB	CN3	Rel 5 Late		DIFFSERV	At RFC Editor, RFC# allocated	3Jun02	14Jun02
14	IPv6 for Some Second and Third Generation Cellular Hosts	<a href="http://www.ietf.org/internet-drafts/draft-ietf-ipv6-cellular-host-03.txt">http://www.ietf.org/internet-drafts/draft-ietf-ipv6-cellular-host-03.txt</a>	COMPLETED	Definite	Critical	Consistency of IMS hosts	Inconsistency in Ipv6 stack supported by IMS terminals.	SA2 T2	Rel 5 Late		IPV6	At RFC Editor, RFC# allocated	3Jun02	14Jun02
15	Recommendations for IPv6 in 3GPP Standards	<a href="http://www.ietf.org/internet-drafts/draft-ietf-ipv6-3gpp-recommend-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-ipv6-3gpp-recommend-02.txt</a>	COMPLETED	Definite	Critical (needs stability, but not necessarily RFC status)	Determine if any holes in IPv6 usage	May be too late to fix any errors	CN1 CN3 CN4 SA2	Rel 5 Late		IPV6	At RFC Editor, RFC# allocated	2May02	3Jun02
16	Dynamic Host Configuration Protocol for IPv6 (DHCPv6)	<a href="http://www.ietf.org/internet-drafts/draft-ietf-dhc-dhcpv6-28.txt">http://www.ietf.org/internet-drafts/draft-ietf-dhc-dhcpv6-28.txt</a>	LATE	Definite	Desirable	Use Ipv6 addr if DHCP used.	Must rely on GPRS specific discovery mechanisms	SA2	Rel 5 Late		IPV6	In IESG Evaluation	12Dec02	No date
17	Grouping of media lines in SDP	<a href="http://www.ietf.org/internet-drafts/draft-ietf-mmusic-fid-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-mmusic-fid-06.txt</a>	COMPLETED except for RFC#	Possible (may be moved to Rel 6)	Desirable	Indicate separation of media streams to the UE	P-CSCF cannot control whether UE modifies existing PDP context or reuses old context.	CN1	Rel 5 Late		MMUSIC	RFC Editor Queue	8Aug02	No date
18	Mapping of Media Streams to Resource Reservation Flows	<a href="http://www.ietf.org/internet-drafts/draft-ietf-mmusic-reservation-flows-01.txt">http://www.ietf.org/internet-drafts/draft-ietf-mmusic-reservation-flows-01.txt</a>	Low	Possible (may be moved to Rel 6)	Desirable	Indicate separation of media streams to the UE	P-CSCF cannot control whether UE modifies existing PDP context or reuses old context.	CN1	Rel 5 Late		MMUSIC	In IETFLC	12Dec02	No date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
19	Framework Policy Information Base	<a href="http://www.ietf.org/internet-drafts/draft-ietf-rap-framework-pib-09.txt">http://www.ietf.org/internet-drafts/draft-ietf-rap-framework-pib-09.txt</a>	COMPLETED	Possible	Desirable	Use of COPS for control of 3GPP resources	must replicate relevant information in Go PIB	CN3	Rel 5 Late		RAP	At RFC Editor, RFC# allocated	16May02	14Jun02
20	Session Authorization for RSVP	<a href="http://www.ietf.org/internet-drafts/draft-ietf-rap-rsvp-authsession-04.txt">http://www.ietf.org/internet-drafts/draft-ietf-rap-rsvp-authsession-04.txt</a>	COMPLETED except for RFC#	Definite	Desirable	Uses Policy element	must replicate policy element	CN3	Rel 5 Late		RAP	RFC Editor Queue	30Oct02	No Date
21	Signaling Compression Requirements & Assumptions	<a href="http://www.ietf.org/internet-drafts/draft-ietf-rohc-signaling-req-assump-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-rohc-signaling-req-assump-06.txt</a>	COMPLETED	Definite	Desirable (needs stability, but not necessarily RFC status)	Define SIP compression requirements	Very inefficient use of bandwidth and long session establishment delays	CN1	Rel 5 Late		ROHC	At RFC Editor, RFC# allocated	3Jun02	14Jun02
22	Signaling Compression (SigComp)	<a href="http://www.ietf.org/internet-drafts/draft-ietf-rohc-sigcomp-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-rohc-sigcomp-07.txt</a>	COMPLETED	Definite	Critical	SIP compression framework and message format	Very inefficient use of bandwidth and long session establishment delays	CN1	Rel 5 Late		ROHC	At RFC Editor, RFC# allocated	3Jun02	14Jun02
23	SigComp - Extended Operations	<a href="http://www.ietf.org/internet-drafts/draft-ietf-rohc-sigcomp-extended-04.txt">http://www.ietf.org/internet-drafts/draft-ietf-rohc-sigcomp-extended-04.txt</a>	COMPLETED	Possible	Desirable	Enhanced SIP compression	Non-optimal use of bandwidth and longer session establishment delays	CN1	Rel 5 Late		ROHC	At RFC Editor, RFC# allocated	3Jun02	14Jun02
24	Integration of Resource Management and SIP	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-manyfolks-resource-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-manyfolks-resource-07.txt</a>	COMPLETED	Definite	Critical	Need resource reservation	Used in base IMS flows. IMS not viable without it.	CN1	Rel 5 Late	2522	SIP	At RFC Editor, RFC# allocated	2May02	3Jun02
25	The SIP UPDATE Method	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-update-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-update-02.txt</a>	COMPLETED	Definite	Critical	Update session parameters	Used in base IMS flows. IMS not viable without it.	CN1	Rel 5 Late	2525	SIP	At RFC Editor, RFC# allocated	2May02	3Jun0

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
26	Private Extensions to the Session Initiation Protocol (SIP) for Network Asserted Identity within Trusted Networks	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-asserted-identity-01.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-asserted-identity-01.txt</a>	COMPLETED	Definite	Critical	Private network asserted identity of subscriber	Network asserted identity used in base IMS flows. IMS not viable without it.	CN1	Rel 5 Late		SIP	At RFC Editor, RFC# allocated	3Jun02	14Jun02
27	A Privacy Mechanism for the Session Initiation Protocol (SIP)	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-privacy-general-01.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-privacy-general-01.txt</a>	COMPLETED	Definite	Critical	Defines header for privacy requests	No header for requesting identity be withheld. IMS not viable without it.	CN1	Rel 5 Late		SIP	At RFC Editor, RFC# allocated	3Jun02	14Jun02
28	Private SIP Extensions for Media Authorization	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-call-auth-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-call-auth-06.txt</a>	COMPLETED	Definite	Critical	Needed for media auth for billing	No robust QoS based billing. Possibility for fraudulent use of QoS	CN1	Rel 5 Late	2525	SIP	At RFC Editor, RFC# allocated	2May02	3Jun02
29	HTTP Digest Authentication Using AKA	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-digest-aka-03.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-digest-aka-03.txt</a>	COMPLETED	Definite (work based on requirements established in <a href="#">draft-uusitalo-sipping-authentication-00</a> )	Critical	AKA in SIP	Cannot use AKA with SIP	CN1 SA3	Rel 5 Late		SIP	At RFC Editor, RFC# allocated	2May02	3Jun02
30	The Reason Header Field for the Session Initiation Protocol	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-reason-01.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-reason-01.txt</a>	COMPLETED	Possible	Desirable	Reasons for errors	Less user friendly interface	CN1	Rel 5 Late		SIP	At RFC Editor, RFC# allocated	3Jun02	14Jun02
31	Internet Media Type message/sipfrag	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-sipfrag-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-sipfrag-00.txt</a>	COMPLETED	Definite	Desirable	Support of SIP fragments	Notify cannot carry SIP fragments	CN1	Rel 5 Late		SIP	At RFC Editor, RFC# allocated	24Sept02	No Date
32	DHCPv6 Options for SIP Servers	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-dhcpv6-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-dhcpv6-00.txt</a>	COMPLETED except for RFC#	Definite	Desirable	SIP server discovery.	Must rely on GPRS specific discovery mechanisms	SA2	Rel 5 Late		SIP	RFC Editor Queue	14Nov02	No Date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
33	The Refer Method	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-refer-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-refer-06.txt</a>	LATE	Definite	Desirable	Needed for 3 <sup>rd</sup> parties	No call forwarding, conf calling	CN1	Rel 5 Late	11001	SIP	IESG Evaluation	12Dec02	No Date
34	Session Initiation Protocol Extension Header Field for Service Route Discovery During Registration	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-scvrtdisco-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-scvrtdisco-02.txt</a>	LATE	Definite	Critical	Needed to route signalling to appropriate CSCFs	Cannot ensure all necessary servers are in the signalling path	CN1	Rel 5 Late		SIP	IESG Evaluation	12Dec02	No Date
35	Best Current Practices for Third Party Call Control in the Session Initiation Protocol	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sipping-3pcc-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-sipping-3pcc-02.txt</a>	LATE	Definite	Desirable	OSA control of SIP sessions	OSA cannot support IMS	CN5	Rel 5 Late		SIP	IESG Evaluation	12Dec02	No Date
36	Security Mechanism Agreement for SIP Connections	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-sec-agree-05.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-sec-agree-05.txt</a>	COMPLETED except for RFC#	Definite (work based on requirements established in draft- <a href="#">usitalo-sipping-algorithm-agreement</a> )	Desirable	Security Mode Setup	Difficult to add later due to possible "man in middle" attacks. Parts of path unprotected.	CN1 SA3	Rel 5 Late		SIP	RFC Editor Queue	28Nov02	No Date
37	Registration Event package	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sipping-reg-event-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-sipping-reg-event-00.txt</a>	LATE	Definite	Critical	Event for registration (taken from Presence)	Cannot be notified of registrations	CN1	Rel 5 Late		SIP	In IETF/FLC	12Dec02	No date
38	SIP Extensions for Instant Messaging	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-message-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-message-07.txt</a>	COMPLETED except for RFC#	DEFINITE	Desirable	IM	Instant Messaging not Available	CN1	Rel 5 Late		SIP	IESG approved	27Sept02	No date
39	Session Initiation Protocol Extension Header Field for Registering Non-Adjacent Contacts	<a href="http://www.ietf.org/internet-drafts/draft-willis-sip-path-08.txt">http://www.ietf.org/internet-drafts/draft-willis-sip-path-08.txt</a>	COMPLETED	Possible	Critical	Needed to route signalling to appropriate CSCFs	Cannot ensure all necessary servers are in the signalling path	CN1	Rel 5 Late		SIP (not a WG item, expert review only)	At RFC Editor, RFC# allocated	3Jun02	14Jun02



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40	Private Extensions to the Session Initiation Protocol (SIP) for the 3rd-Generation Partnership Project (3GPP)	<a href="http://www.ietf.org/internet-drafts/draft-garcia-sipping-3gpp-p-headers-02.txt">http://www.ietf.org/internet-drafts/draft-garcia-sipping-3gpp-p-headers-02.txt</a>	COMPLETED except for RFC#	Definite	Critical	To carry info within the 3GPP network	Must revert to carrying info in XML header	CN1	Rel 5 Late		SIP (not a WG item, expert review only)	At RFC Editor	22Oct02	No Date
41	Short term requirements for Network Asserted Identity	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sipping-nai-reqs-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-sipping-nai-reqs-02.txt</a>	COMPLETED	Definite	Desirable (needs stability, but not necessarily RFC status)	Define network identity and privacy requirements	Asserted identity problem scope not well understood	CN1	Rel 5 Late		SIPPING	At RFC Editor, RFC# allocated	3Jun02	14Jun02
42	3GPP requirements on SIP	<a href="http://www.ietf.org/internet-drafts/draft-garcia-sipping-3gpp-reqs-03.txt">http://www.ietf.org/internet-drafts/draft-garcia-sipping-3gpp-reqs-03.txt</a>	COMPLETED	Definite	Desirable (needs stability, but not necessarily RFC status)	Lists 3GPP Requirements	Cannot define any additional work that is needed for 3GPP IMS	CN1	Rel 5 Late		SIPPING	RFC not needed	No date	No date
43	3GPP Requirements for SIP Authentication	<a href="http://www.ietf.org/internet-drafts/draft-uusitalo-sipping-authentication-00.txt">http://www.ietf.org/internet-drafts/draft-uusitalo-sipping-authentication-00.txt</a>	COMPLETED	Definite (requirements are needed, but contents under discussion)	Desirable (needs stability, but not necessarily RFC status)	Lists 3GPP requirements for AKA authentication (taken from Garcia)	Unable to use AKA in SIP	SA3	Rel 5 Late		SIPPING	RFC not needed	No date	No date
44	Requirements for SIP Security Mechanism Agreement	<a href="http://www.ietf.org/internet-drafts/draft-uusitalo-sipping-algorithm-agreement-00.txt">http://www.ietf.org/internet-drafts/draft-uusitalo-sipping-algorithm-agreement-00.txt</a>	COMPLETED	Definite (requirements are needed, but contents under discussion)	Desirable (needs stability, but not necessarily RFC status)	Defines requirements for negotiating security	Vulnerable to Man in the Middle attacks	SA3	Rel 5 Late		SIPPING	RFC not needed	No date	No date
45	Requirements for Delegation of Message Protection for SIP	<a href="http://www.ietf.org/internet-drafts/draft-uusitalo-sipping-delegation-00.txt">http://www.ietf.org/internet-drafts/draft-uusitalo-sipping-delegation-00.txt</a>	COMPLETED	Definite (requirements are needed, but contents under discussion)	Desirable (needs stability, but not necessarily RFC status)	Lists 3GPP requirements for key transport and delegation	Unable to distribute SIP security keys	SA3	Rel 5 Late		SIPPING	RFC not needed	No date	No date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
46	The SIP/SDP static dictionary for Signaling Compression	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sipping-sigcomp-sip-dictionary-05.txt">http://www.ietf.org/internet-drafts/draft-ietf-sipping-sigcomp-sip-dictionary-05.txt</a>	COMPLETED except for RFC#	Possible	Desirable	Enhanced SIP compression	Non-optimal use of bandwidth and longer session establishment delays	CN1	Rel 5 Late		SIPPING	RFC Editors Queue	28Nov02	No Date
47	Stream Control Transmission Protocol (SCTP) Checksum Change	<a href="http://www.ietf.org/internet-drafts/draft-ietf-tsvwg-ctcpesum-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-tsvwg-ctcpesum-07.txt</a>	COMPLETED	Definite	Critical	Robust SCTP	Interoperability problems with SS7/IP and Cx interfaces	CN4	Rel 5 Late		TSV	At RFC Editor, RFC# allocated	2May02	3Jun02
48	Diameter Credit Control Application	<a href="http://www.ietf.org/internet-drafts/draft-hakala-diameter-credit-control-05.txt">http://www.ietf.org/internet-drafts/draft-hakala-diameter-credit-control-05.txt</a>	Medium	Definite	Critical	Prepaid charging	Cannot do IMS pre-paid	SA5	Rel 6		AAA	In Progress as WG item	No Date	No Date
49	Diameter Multimedia Application (or equivalent)	<a href="http://www.ietf.org/internet-drafts/draft-johansson-aaa-diameter-mm-app-03.txt">http://www.ietf.org/internet-drafts/draft-johansson-aaa-diameter-mm-app-03.txt</a>	Medium	Definite (work based on requirements established in draft-loughney-sip-aaa-reqs)	Critical	Authentication and Authorization of UEs	Cannot authenticate and authorize UEs.	CN4	Rel 6		AAA	In Progress as WG item	No date	No date
50	Diameter Extensible Authentication Protocol (EAP) Application	<a href="http://www.ietf.org/internet-drafts/draft-ietf-aaa-eap-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-aaa-eap-00.txt</a>	Low	Possible	Desirable (Informational OK)	Use of EAP in WLAN environments	Cannot reuse 3GPP security in WLAN	SA2 SA3	Rel 6		AAA	In progress	No date	No date
51	EAP AKA Authentication	<a href="http://www.ietf.org/internet-drafts/draft-arkko-pppext-eap-aka-06.txt">http://www.ietf.org/internet-drafts/draft-arkko-pppext-eap-aka-06.txt</a>	Low	Possible	Desirable	AKA in EAP	Use of AKA with alternate access methods (such as WLAN)	CN1 CN4 SA3	Rel 6		EAP	Not chartered	No date	No date
52	EAP SIM Authentication	<a href="http://www.ietf.org/internet-drafts/draft-haverinen-pppext-eap-sim-07.txt">http://www.ietf.org/internet-drafts/draft-haverinen-pppext-eap-sim-07.txt</a>	Low	Possible	Desirable (Informational OK)	Use of EAP to carry SIM info	Cannot reuse 2G security in WLAN	SA2 SA3	Rel 6		EAP	Not chartered	No date	No date
53	Common Presence and Instant Messaging: Message Format	<a href="http://www.ietf.org/internet-drafts/draft-ietf-imp-pcimpmsgfmt-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-imp-pcimpmsgfmt-07.txt</a>	Low	Possible	Desirable	IM	Instant Messaging & Presence not Available	CN1	Rel 6		IMPP	In Progress	No date	No date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
54	CPIM Presence Information Data Format	<a href="http://www.ietf.org/internet-drafts/draft-ietf-imp-pim-pdf-06.txt">http://www.ietf.org/internet-drafts/draft-ietf-imp-pim-pdf-06.txt</a>	Low	Possible	Desirable	Used in registration to the network, to register multiple public IDs and get notifications when the network de-registers or request re-registration.	3GPP specific data structure used for handling registering of public IDs	CN1	Rel 6		IMPP	In Progress	No date	No date
55	The MAP Security Domain of Interpretation for ISAKMP	<a href="http://www.ietf.org/internet-drafts/draft-arkko-map-doi-07.txt">http://www.ietf.org/internet-drafts/draft-arkko-map-doi-07.txt</a>	Low	Definite	Desirable	IKE for MAP	Informational RFC: Needed for consistency of applying IKE to secure GSM MAP and other GSM protocols.	SA3	Rel 6		IPSEC	Sent to IESG	No date	No date
56	IPv6 Stateless DNS Discovery	<a href="http://www.ietf.org/internet-drafts/draft-ietf-ipv6-dns-discovery-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-ipv6-dns-discovery-07.txt</a>	Low	Possible	Desirable	DNS discovery when not using DHCP	A GPRS specific method of DNS specification required	SA2	Rel 6		IPV6	May be stopped	No Date	No Date
57	SDP: Session Description Protocol	<a href="http://search.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-new-11.txt">http://search.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-new-11.txt</a>	Low	Possible	Desirable	New version of SDP	Must use old version	CN1	Rel 6		MMUSIC	AD Evaluation	No date	No date
58	A SIP Event Sub-Package for Watcher Information	<a href="http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-package-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-package-02.txt</a>	Low	Possible	Desirable	Presence	Presence Service not Available	CN1	Rel 6		SIMPLE	Sent to IESG	No date	No date
59	A SIP Event Package for List Presence	<a href="http://www.ietf.org/internet-drafts/draft-ietf-simple-presencelist-package-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-simple-presencelist-package-00.txt</a>	Low	Possible	Desirable	Presence	Presence Service not Available	CN1	Rel 6		SIMPLE	In progress	No date	No date
60	SIMPLE Presence Publication Mechanism	<a href="http://www.ietf.org/internet-drafts/draft-olson-simple-publish-01.txt">http://www.ietf.org/internet-drafts/draft-olson-simple-publish-01.txt</a>	Low	Possible	Desirable	Presence	Presence Service not Available	CN1	Rel 6		SIMPLE	In progress	No date	No date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
61	Requirements for Presence Service based on 3GPP specifications and wireless environment characteristics	<a href="http://www.ietf.org/internet-drafts/draft-kiss-simple-presence-wireless-reqs-01.txt">http://www.ietf.org/internet-drafts/draft-kiss-simple-presence-wireless-reqs-01.txt</a>	Low	Definite (requirements are needed, but contents under discussion). May be included in generic requirements	Desirable (needs stability, but not necessarily RFC status)	Defines requirements presence	Insufficient presence service	CN1	Rel 6		SIMPLE	RFC not needed	No date	No date
62	Requirements for Instant Messaging in 3GPP Wireless Systems	<a href="http://www.ietf.org/internet-drafts/draft-niemi-simple-im-wireless-reqs-00.txt">http://www.ietf.org/internet-drafts/draft-niemi-simple-im-wireless-reqs-00.txt</a>	Low	Definite (requirements are needed, but contents under discussion). May be included in generic requirements	Desirable (needs stability, but not necessarily RFC status)	Defines requirements presence	Insufficient IM service	CN1	Rel 6		SIMPLE	RFC not needed	No date	No date
63	An XML Based Format for Watcher Information	<a href="http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-format-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-format-02.txt</a>	Low	Possible	Desirable	Presence	Presence Service not Available	CN1	Rel 6		SIMPLE	Sent to IESG	No date	No date
64	SIP Extensions for Presence	<a href="http://www.ietf.org/internet-drafts/draft-ietf-simple-presence-07.txt">http://www.ietf.org/internet-drafts/draft-ietf-simple-presence-07.txt</a>	Low	Possible	Desirable	Presence	Presence Service not Available	CN1	Rel 6		SIMPLE	Sent to IESG	No date	No date
65	Compressing the Session Initiation Protocol	<a href="http://www.ietf.org/internet-drafts/draft-ietf-sip-compression-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-sip-compression-02.txt</a>	COMPLETED except for RFC#	Possible	Desirable	To know if SIP compression used in WLAN environment	S-CSCF unable to efficiently determine whether messages compressed or not	CN1	Rel 6		SIP	RFC Editors Queue	No date	No date
66	SIP-AAA Requirements	<a href="http://www.ietf.org/internet-drafts/draft-loughney-sip-aaa-req-01.txt">http://www.ietf.org/internet-drafts/draft-loughney-sip-aaa-req-01.txt</a>	Low	Definite	Desirable (needs stability, but not necessarily RFC status)	Lists 3GPP Requirements for AAA	3GPP Work in AAA may not be correct	CN4	Rel 6		SIPPING	Sent to IESG	No date	No date

0#	Title	<a href="#">Link</a>	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	UID	IETF WG	IETF Status	IESG approval	RFC Ready
67	IPv6 Transition Solutions for 3GPP Networks	<a href="http://www.ietf.org/internet-drafts/draft-wiljakka-3gpp-ipv6-transition-02.txt">http://www.ietf.org/internet-drafts/draft-wiljakka-3gpp-ipv6-transition-02.txt</a>	Low	Definite	Desirable (needs stability, but not necessarily RFC status)	Identifies 3GPP IPv6 transition scenarios	3GPP operators receive poor guidance on IPv6 implementation strategies	SA2 CN3	Rel 6		V6OPS	In Progress as WG item	No date	No date
68	Transition Scenarios for 3GPP Networks	<a href="http://www.ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-cases-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-cases-00.txt</a>	Low	Definite	Desirable (needs stability, but not necessarily RFC status)	Identifies 3GPP IPv6 transition scenarios	3GPP operators receive poor guidance on IPv6 implementation scenarios	SA2 CN3	Rel 6		V6OPS	In progress	No date	No date

A PDF version of this document is available [here](#)

[The collaboration agreement between the 3GPP and IETF may be found here \(http://www.ietf.org/rfc/rfc3113.txt?number=3113\)](http://www.ietf.org/rfc/rfc3113.txt?number=3113)

Please contact [stephen.hayes@ericsson.com](mailto:stephen.hayes@ericsson.com) with any updates

## Change Log

Date	Version	Description of Change
15-11-2001	0.0.1	Pre-publication version
21-11-2001	5.0.0	IETF Dependency draft
08-01-2002	5.0.1	Clarified relationship of sdp-new and sdp-ipv6, updated completion dates of several SIP drafts, removed need for H.323, interworking and SUA, responsible groups updated, ID versions updated, fixed broken links, Risk column moved, UID column added, SIP DHCP IPv6 and SIP DHCP collapsed into DHCPv6
04-02-2002	5.0.2	100Rel folded into 2543bis, fixed broken links, added drafts based upon proposed SA3 IMS security method., added new sigcomp drafts, Diameter base protocol changed to critical, split out SIP server support from DHCP-IPv6, added sip-srv draft.
26-02-2002	5.0.3	100Rel, offer-answer, and path introduced. Added drafts for sipping-digest-aka, sipping-authentication, sipping-algorithm-agreement, sipping-delegation. Removed duplicate row with Key transport requirements. ID status and dates updated according to latest agreements, completion dates for some items moved to late Rel 5 (June), Re-evaluated risk due to schedule changes, Removed ability to negotiate compression as a separate item, updated stale links.
28-02-2002	5.0.4	Added draft-undery-sip-auth, Corrected errors associated with draft-arkko-sip-sec-agree.
12-03-2002	5.0.5	Showed completion of avt-rtp-amr, m3ua, 2543bis, 100rel, sip-srv, offer-answer, sdp-ipv6. Removed dependency on sdp-new, made dependency on ipv6-cellular-host definite and critical, status of undery-sip-auth corrected, Showed manyfolks-resource, privacy, call-auth in WGLC, Added dependency on sip-update, rosenberg-sip-3ppc, ipsec-sctp. Upgraded path header to critical. Showed lack of SIP DHCP IPv6 draft. Updated stale links.
07-04-2002	5.0.6	Added dependencies on ipv6-dns-discovery, sip-dictionary, srvtldiscov, cellular-ipsec. Removed dependencies on sigcomp-udvm, undery-sip-auth, onehop-digest. CPIM Presence Information Data Format moved to Rel 6. Revised risk based upon bundling. Updated completion dates, Updated stale links
30-04-2002	5.0.7	Added dependencies for draft-henrikson-sip-original-dialog-id, draft-garcia-sip-visited-network-id, draft-mills-sip-Access-Network-Info, draft-garcia-sip-called-party-id, draft-garcia-sip-associated-uri, draft-henrikson-sip-charging-information. Added dependency on draft-ietf-tsvwg-sctpcsum and draft-ietf-sip-reason. Added dependency for registration event package. Removed dependency on draft-ietf-ipsec-sctp, draft-larzon-udplite, draft-hamer-rap-cops-umts-go. Updated names of draft-ietf-ipv6-cellular-host and draft-ietf-sip-dhcpv6. Changed dependency on draft-ietf-sip-privacy to a dependency on unspecified draft(s) on caller-id. Indicated that the draft for

		usage of IPSec with SIP/AKA may not be produced. Downgraded dependencies on draft-ietf-diffserv-pib and draft-ietf-rap-frameworkpib to possible dependencies. Moved SIP-AAA work to Rel 6. Added draft-ietf-sdp-new back again. Updated links and target dates. Added bundling information.
13-05-2002	5.0.8	Replaced placeholder for caller-id drafts with sipping-nai-reqs, sipping-nai-reqs, and draft-peterson-sip-privacy-longterm. Removed draft for usage of IPSec with SIP. Dependencies on nitsan-cops-rsvp-proxy, ietf-simple-im-sdp, ietf-simple-im-session removed since drafts have expired. Updated completion status. Updated links.
18-06-2002	5.0.9	Showed completion of bundle 2 & 3 IETF deliverables for which RFC#'s have been provided. Changed status of requirement drafts (for which protocol work done) as COMPLETED. Changed status of remaining Rel-5 items to LATE.. Added aaa-diameter-nasreq and rap-rsvp-authsession. Added diameter-credit-control dependency for Sept 02. Removed expired draft olsson-ip-multimedia-charging-reqs. Updated links and target dates.
16-08-2002	6.0.0	Moved MapDoI to Rel-6. Moved ietf-sip-message to Rel-6. Moved ietf-ipv6-dns-discovery to Rel-6. Replaced garcia-sip-visited-network-id, mills-sip-Access-Network-Info, garcia-sip-called-party-id, garcia-sip-associated-uri, henrikson-sip-charging-information with garcia-sipping-3gpp-p-headers. Removed hendrikson-sip-original-dialog-id. Replaced beckmann-sip-reg-event with rosenberg-sip-reg-event. Added possible Rel-6 dependency on camarillo-sip-compression. Added soinen-ngrtrans-3gpp-cases and wiljakka-3gpp-ipv6-transition. Added ietf-mmusic-fid and camarillo-mmusic-separate-streams as possible dependencies. Updated stale links.
21-08-2002	6.0.1	Added dependency on ietf-sip-callerprefs. Updated status of dependencies.
04-11-2002	6.0.2	Changed penultimate heading from "To IESG" to "IESG approval" since they can stay with the IESG for a long time. Added loughney-aaa-cc-3gpp, ietf-avt-rtcp-bw, ietf-simple-presencelist-package, ietf-sip-siprag, olson-simple-publish, kiss-simple-presence-wireless-reqs, niemi-simple-im-wireless-reqs. Removed dependency on sip-replaces, sip-callerprefs. Changed mmusic-separate-streams to mmusic-reservation flows. Changed dependency on impp-cpim-msgfmt to Rel 6. Updated status of dependencies.
27-11-2002	6.0.3	Aligned states with ietf-id-tracker. Updated status of dependencies.
02-12-2002	6.0.4	Added ietf-aaa-eap and haverinen-ppext-eap-sim dependencies. Sdp-new moved to Rel 6. Updated status of dependencies.