Source:	**CN Chair**
Title:	**REPORT - IETF Status**
Agenda item:	**8**
Document for:	**INFORMATION**

1. Executive Summary

Good progress on several critical items:
- Diameter Credit Control has completed WGLC
- Sipping 3pcc draft (long dangling Rel 5 dependency) finally approved by IESG

Most protocol requirements documents fairly stable and protocol work proceeding. Total Release 6 dependencies now at 89 (increase of 7 since last report).

Highest risk areas are:
- AAA (Diameter Multimedia Application)
- EAP (WLAN Network Discovery and Selection)
- SIMPLE/SIP/SIPPING/XCON (Filtering, Conference Control, Presence Publication, Whispering, Emergency Calls)

Most IETF drafts on target for August 2004 timeline.

IETF investigating changes to their working procedures to improve efficiency.

IANA allocations likely to be a problem in the future. RFC publication also likely to be slow.

2. Statistics

Drafts being tracked:
    Release 4: 2
    Release 5: 45
    Release 6: 89
Drafts not yet approved by IESG (technical stability)
    Release 4: 0
    Release 5: 2
    Release 6: 75
Drafts not yet published as RFCs (formally available)
    Release 4: 0
    Release 5: 4
    Release 6: 86

Drafts approved by IESG since TSG#22: 1
Drafts published as RFCs since TSG#22: 1

3. Significant Developments

AAA Diameter Credit Control WGLC completed. Close interaction between document authors and SA5 SWGB. AAA Diameter SIP App progressing with target for WGLC completing in April.

EAP likely to accept use of an EAP based network selection for WLAN as a short term solution.

XCAP is now the accepted solution for presence publication (Ut). Drafts progressing. XCAP also agreed as an experimental solution for the conference policy control protocol.

Work in SIPPING on transcoding, early media, emergency calls, and exploder progressing.

Work on floor control protocol still not started. This may be critical in meeting OMA PoC requirements.

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 March 8, 2004

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 progessed 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 the 3GPP feature. Desirable indicates that major functionality will be sacrificed if this ID is not ready.

f. Items with a high risk of not being complete in time are marked in yellow. Completed tems are in green.

g. Dependency information compiled by Stephen Hayes, 3GPP TSG-CN Chair (stephen.hayes@ericsson.com, +1 469 360 8500)

3GPP Dependency Table

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
1	Diameter Credit Control Application	http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-cc-03.txt	High	Possible	Critical	Prepaid charging	Cannot do IMS pre-paid	SA5	Rel 5 & Rel 6	AAA	In WGLC	Jun04	No Date
2	SDP: Session Description Protocol	http://search.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-new-15.txt	Low	Possible	Desirable	New version of SDP	Must use old version	CN1	Rel 5 & Rel 6	MMUSIC	IESG Evaluation	No date	No date
3	Registration Event package	http://www.ietf.org/internet-drafts/draft-ietf-sipping-reg-event-00.txt	COMPLETED except for publication	Definite	Critical	Event for registartion (taken from Presence)	Cannot be notified of registrations	CN1	Rel 5 Late	SIP	RFC Editor Queue	12Dec02	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
4	Best Current Practices for Third Party Call Control in the Session Initiation Protocol	http://www.ietf.org/internet-drafts/draft-ietf-sipping-3pcc-06.txt	COMPLETED except for publication	Definite	Desirable	OSA control of SIP sessions	No OSA to IMS mapping in TR	CN5	Rel 5 Late	SIP	RFC Editor Queue	Jan 04	No Date
5	Diameter Session Initiation Protocol (SIP) Application	http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-sip-app-01.txt	High	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	Jun04	No date
6	Diameter Network Access Server Application	http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-nasreq-14.txt	Low	Definite	Critical	WLAN charging	Cannot use Diameter for charging collection	SA2 CN4	Rel 6	AAA	IESG Evaluation	Jun 04	No date
7	Diameter Extensible Authentication Protocol (EAP) Application	http://www.ietf.org/internet-drafts/draft-ietf-aaa-eap-04.txt	Low	Definite	Critical (Informational OK)	Use of EAP in WLAN environments	Cannot reuse 3GPP security in WLAN	SA2 SA3	Rel 6	AAA	In Progress	Jun 04	No date
8	Extended RTP Profile for RTCP-based Feedback(RTP/AVPF)	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtcp-feedback-08.txt	Low	Definite	Critical	Improved feedback mechanism for Audio Visual Profile	AV stream QoS degrades	SA4	Rel 6	AVT	IESG Evaluation	Jan04	No date
9	RTP Control Protocol Extended Reports (RTCP XR)	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtcp-report-extns-07.txt	DONE	Definite	Critical	Improved RTCP reporting	AV stream QoS degrades	SA4	Rel 6	AVT	RFC 3611	No date	Nov 2003
10	MIME Type Registrations for 3GPP Multimedia files	http://www.ietf.org/internet-drafts/draft-singer-avt-3gpp-mime-01.txt	Low	Definite	Critical	MIME type for 3GPP AV files	3GPP types not properly registered	SA4	Rel 6	AVT	AD Evaluation	Jan04	No date
11	RTP payload Format for JVT Video	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-h264-04.txt	Medium	Possible	Desirable	Support of H.264 codec	Cannot support H.264 codec	SA4	Rel 6	AVT	In Progress	No date	No date
12	RTP Retransmission Payload Format	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-retransmission-10.txt	Low	Possible	Desirable	Improved error resilience in PSS	Lower QoS in PSS	SA4	Rel 6	AVT	AD Evaluation	Jan04	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
13	RTP Payload format for 3GPP Timed Text	http://www.ietf.org/internet-drafts/draft-rey-avt-3gpp-timed-text-02.txt	Medium	Possible	Desirable	Support of timed text in streaming	Cannot provide timed text	SA4	Rel 6	AVT	In Progress	No date	No date
14	RTP Payload Format and AMR WB+ Audio Codec	http://www.ietf.org/internet-drafts/draft-sjoberg-avt-rtp-amrwbplus-01.txt	Medium	Possible. Needed in AMR-WB+ codec selected by 3GPP	Desirable	Support of AMR WB+	Cannot support AMR wB+ coded	SA4	Rel 6	AVT	In Progress	No date	No date
15	EAP AKA Authentication	http://www.ietf.org/internet-drafts/draft-arkko-pppext-eap-aka-11.txt	Medium	Definite	Critical (informational OK)	AKA in EAP	Use of AKA with alternate access methods (such as WLAN)	CN1 CN4 SA3	Rel 6	EAP	In Progress	No date	No date
16	Extensible Authentication Protocol	http://www.ietf.org/internet-drafts/draft-eap-rfc2284bis-09.txt	COMPLETED except for publication	Definite	Critical	EAP extensions to allow use in authentication over WLAN	Cannot do WLAN authentication	CN1 CN4 SA3	Rel 6	EAP	RFC Editor Queue	No date	No date
17	EAP Key Management Framework	http://www.ietf.org/internet-drafts/draft-eap-keying-01.txt	Medium	Definite	Critical (Informational OK)	How to use EAP for generating, transporting keys for WLAN authentication	Cannot do WLAN authentication or provide secondary keys	CN1 CN4 SA3	Rel 6	EAP	In Progress	No date	No date
18	Network Discovery and Selection within the EAP Framework	http://www.ietf.org/internet-drafts/draft-adrangi-eap-network-discovery-and-selection-00.txt	High	Possible – Some Solution Needed	Critical (Informational OK)	Use EAP information for Network Selection	Cannot do WLAN roaming	CN1 SA2 SA3	Rel 6	EAP	In Progress	No date	No date
19	EAP SIM Authentication	http://www.ietf.org/internet-drafts/draft-haverinen-pppext-eap-sim-12.txt	Medium	Definite	Critical (Informational OK)	Use of EAP to carry SIM info	Cannon resuse 2G security in WLAN	SA2 SA3	Rel 6	EAP	In Progress	No date	No date
20	Advanced Instant Messaging Requirements for SIP	http://www.ietf.org/internet-drafts/draft-ietf-geopriv-pidf-lo-01.txt	Medium	Definite	Critical	Carrying location info in presence	Insufficient Presence Service	CN1	Rel 6	GEOPRIV	In progress	No date	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
21	Common Presence and Instant Messaging: Message Format	http://www.ietf.org/internet-drafts/draft-ietf-impp-cpim-msgfmt-08.txt	COMPLETED except for publication	Definite	Critical	IMS Messaging	IMS Messaging not Available	CN1	Rel 6	IMPP	RFC Editors Queue	No date	No date
22	CPIM Presence Information Data Format	http://www.ietf.org/internet-drafts/draft-ietf-impp-cpim-pidf-08.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	IMPP	RFC Editors Queue	No date	No date
23	Common Profile for IM	http://www.ietf.org/internet-drafts/draft-ietf-impp-im-04.txt	COMPLETED except for publication	Definite	Critical	IMS Messaging	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	RFC Editors Queue	No date	No date
24	Common Profile for Presence	http://www.ietf.org/internet-drafts/draft-ietf-impp-pres-04.txt	COMPLETED except for publication	Definite	Critical	Presence	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	RFC Editors Queue	No date	No date
25	Address Resolution for IM and Presence	http://www.ietf.org/internet-drafts/draft-ietf-impp-srv-04.txt	COMPLETED except for publication	Definite	Critical	Presence & IMS Messaging	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	RFC Editors Queue	No date	No date
26	The MAP Security Domain of Interpretation for ISAKMP	http://www.ietf.org/internet-drafts/draft-arkko-map-doi-07.txt	Medium	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	AD Evaluation	No date	No date
27	IPSec PKI Profile of ISAKMP and PKIX	http://www.ietf.org/internet-drafts/draft-ietf-ipsec-pki-profile-03.txt (Note draft has expired)	Medium	Definite	Possible	Management of Certificates for Network Domain Security	Manual methods of managing Certificates must be used with admin overhead and likely security lapses.	SA3	Rel 6	IPSEC	In Progress	No date	No date

0#	Title	[Link](#)	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
28	ATtransport Independent Bandwidth Modifier for SDP	http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-bwparam-05.txt	Low	Possible	Nice to Have	Media provisioning	Inconsistent bandwidth allocation	CN1	Rel 6	MMUSIC	IESG Evaluation	No date	No Date
29	Connection-Oriented Media Transport in SDP	http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-comedia-05.txt	Low	Possible	Desirable	IMS Messaging	Messaging over connection oriented transports	CN1	Rel 6	MMUSIC	AD Evalutaion	No date	No date
30	Profile for Certificate Use in IKE version 1	http://www.ietf.org/internet-drafts/draft-hoffman-pki4ipsec-profile-00.txt	Medium	Definite	Possible	Management of Certificates for Network Domain Security	Manual methods of managing Certificates must be used with admin overhead and likely security lapses.	SA3	Rel 6	PKI4IPSEC	In Progress	No date	No date
31	Internet X.509 Public Key Infrastructure Certificate Management Protocol	http://www.ietf.org/internet-drafts/draft-ietf-pkix-rfc2510bis-09.txt	Medium	Definite	Critical	Management of Certificates for Network Domain Security	Manual methods of managing Certificates must be used with admin overhead and likely security lapses.	SA3	Rel 6	PKIX	IESG Evaluation	No date	No date
32	FLUTE – File Delivery over Unidirectional Transport	http://www.ietf.org/internet-drafts/draft-ietf-rmt-flute-07.txt	Low	Definite	Critical	Defines unidirectional file transport protocol	Cannot do MBMS file download	SA4	Rel 6	RMT	IESG Evaluation	No date	No date
33	The Message Session Relay Protcol	http://www.ietf.org/internet-drafts/draft-ietf-simple-message-sessions-03.txt	High	Definite	Critical	IMS Messaging	No session based instant messaging (including chat)	CN1	Rel 6	SIMPLE	In progress	Aug 04	No date
34	Requirements for Manipulation of Data Elements in SIMPLE Systems	http://www.ietf.org/internet-drafts/draft-ietf-simple-data-req-04.txt (expired)	Low	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status). Solution is critical	Defines presence requirements for data manipulation	Insufficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
35	SIP Event Notification Extension for Collections	http://www.ietf.org/internet-drafts/draft-ietf-simple-event-list-04.txt	Low	Definite	Critical	To subscribe to collections of event packages	Inefficient or limited Presence service	CN1	Rel 6	SIMPLE	AD Evalutation	No date	No date
36	SIP Extensions for Presence	http://www.ietf.org/internet-drafts/draft-ietf-simple-presence-10.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1 CN5	Rel 6	SIMPLE	RFC Ed Queue	No date	No date
37	SIMPLE Presence Publication Requirements	http://www.ietf.org/internet-drafts/draft-ietf-simple-publish-reqs-00.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status). Solution is critical.	Defines presence requirements for publishing state	Insufficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
38	An XML Based Format for Watcher Information	http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-format-04.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	SIMPLE	RFC Ed Queue	No date	No date
39	A SIP Event Sub-Package for Watcher Information	http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-package-05.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	SIMPLE	RFC Ed Queue	No date	No date
40	Requirements for Presence Service based on 3GPP specifications and wireless environment characteristics	http://www.ietf.org/internet-drafts/draft-kiss-simple-presence-wireless-reqs-03.txt	Low	Definite (requirements are needed, but contents under discussion). May be included in generic requirements	Desirable (needs stability, but not necessarily RFC status)	Defines 3GPP presence requirements	Insufficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
41	Requirements for Filtering of Watcher Information	http://www.ietf.org/internet-drafts/draft-ietf-simple-winfo-filter-reqs-01.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status)	Defines presence requirements for filtering watcher notifications	Inefficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
42	Partial Notification of Presence Information	http://www.ietf.org/internet-drafts/draft-ietf-simple-partial-notify-01.txt	High	Definite - solution to requirements in draft-ietf-simple-presinfo-deliv-reqsDefinite	Critical – At least some solution needed.	Partial notification	Presence state must be completely refreshed	CN1	Rel 6	SIMPLE	In progress	No date	No date
43	Presence Information Data Format (PIDF) Extension for Partial Presence	http://www.ietf.org/internet-drafts/draft-ietf-simple-partial-pidf-format-00.txt	High	Definite - Solution to requirements in draft-ietf-simple-presinfo-deliv-reqsDefinite	Critical	Partial notification	Presence state must be completely refreshed	CN1	Rel 6	SIMPLE	In progress	No date	No date
44	Requirements for Efficient Delivery of Presence Notification	http://www.ietf.org/internet-drafts/draft-ietf-simple-presinfo-deliv-req-01.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status). Solution is Critical.	Defines presence requirements for partial notification	Inefficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
45	Requirements for Presence specific Event Notification Filters	http://www.ietf.org/internet-drafts/draft-ietf-simple-pres-filter-reqs-03.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status). Solution is Critical.	Defines presence requirements for filtering notifications	Inefficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
46	Requirements for Instant Messaging in 3GPP Wireless Systems	http://www.ietf.org/internet-drafts/draft-niemi-simple-im-wireless-reqs-02.txt	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 for IMS Messaging	Insufficient IMS Messaging service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
47	The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)	http://www.ietf.org/internet-drafts/draft-ietf-simple-xcap-02.txt	High	Definite - Solution to requirements in draft-ietf-simple-data-reqDefinite	Critical	Protocol for presence data manipulation	User cannot manage lists and authorization	CN1	Rel 6	SIMPLE	In progress	Jun 04	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
48	XCAP Usages for Setting Presence Authorization	http://www.ietf.org/internet-drafts/draft-ietf-simple-xcap-auth-usage-01.txt	High	Definite - Solution to requirements in draft-ietf-simple-data-reqDefinite	Critical	Protocol for presence data manipulation	User cannot manage lists and authorization	CN1	Rel 6	SIMPLE	In progress	Jun 04	No date
49	XCAP Usage for Resource Lists	http://www.ietf.org/internet-drafts/draft-ietf-simple-xcap-list-usage-02.txt	High	Definite - Solution to requirements in draft-ietf-simple-data-req	Critical	Protocol for presence data manipulation	User cannot manage lists and authorization	CN1	Rel 6	SIMPLE	In progress	Jun 04	No date
50	XCAP Usage for Publishing Presence Information	http://www.ietf.org/internet-drafts/draft-isomaki-simple-xcap-pidf-manipulation-usage-00.txt	High	Definite - Solution to requirements in draft-ietf-simple-data-req	Critical	Protocol for presence data manipulation	Cannot support hard state requirements	CN1	Rel 6	SIMPLE	In progress	No date	No date
51	Advanced Instant Messaging Requirements for SIP	http://www.ietf.org/internet-drafts/draft-rosenberg-simple-messaging-requirements-01.txt	Medium	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status)	Defines IMS Messaging requirements	Insufficient IMS Messaging service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
52	User Agent Capability Presence Status Extension	http://www.ietf.org/internet-drafts/draft-ietf-simple-prescaps-ext-00.txt	Medium	Definite	Critical	UEs can indicate presence capabilities	Insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	No date	No date
53	An Extensible Markup Language (XML) Based Format for Event Notification Filtering	http://www.ietf.org/internet-drafts/draft-ietf-simple-filter-format-00.txt	Medium	Definite	Critical	Filter Data Structure	Insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	Aug 04	No date
54	Functional Description of Event Notification Filtering	http://www.ietf.org/internet-drafts/draft-ietf-simple-event-filter-funct-00.txt	Medium	Definite	Critical	Filtering Mechanism	Insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	Aug 04	No date
55	Contact Information in Presence Information Data Format	http://www.ietf.org/internet-drafts/draft-ietf-simple-cipid-00.txt	Medium	Definite	Critical	Contact Info	Insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	No date	No date
56	Is-composing Indication for Instant Messaging Using SIP	http://www.ietf.org/internet-drafts/draft-schulzrinne-simple-iscomposing-00.txt	High	Definite	Critical – At Least some solution needed	IMS Messaging	No information that user is composing a message	CN1	Rel 6	SIMPLE	In progress	No date	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
57	RPID – Rich Presence Information Data Format	http://www.ietf.org/internet-drafts/draft-ietf-simple-rpid-01.txt	High	Definite	Critical	Presence	3GPP specific format used. Interoperability compromised.	CN1	Rel 6	SIMPLE	In progress	No date	No date
58	Solution for private messages in a messaging session conference	Not available	High	Possible	Critical	Ability to send private msgs in conference	Can't send private messages (whispers) within conference	CN1	REL 6	SIMPLE	Not started	No date	No date
59	SIP Extension for Event State Publication	http://www.ietf.org/internet-drafts/draft-ietf-sip-publish-02.txt	High	Possible – One solution to requirements in draft-ietf-simple-publish reqs	Critical – At least some solution needed.	Protocol for composing state information	Presence Service not Available	CN1	Rel 6	SIP	WGLC Completed	No date	No date
60	An Extension to SIP for Request History Information	http://www.ietf.org/internet-drafts/draft-ietf-sip-history-info-02.txt	Low	Possible – One solution to requirements in draft-ietf-sipping-req-history	Nice-to-have – At least some solution needed.	Call Trace	No call trace and routing info for user	CN1	Rel 6	SIP	In progress	Dec 04	No date
61	SIP Extension to Assure Congestion Safety	http://www.ietf.org/internet-drafts/draft-ietf-sip-congestsafe-02.txt	Medium	Definite	Desirable	Avoid SIP congestion with UDP	Poor service quality	CN1	Rel 6	SIP	In progress	No date	No date
62	A Mechanism for Content Indirection in SIP Messages	http://www.ietf.org/internet-drafts/draft-ietf-sip-content-indirect-mech-03.txt	Low	Definite - Solution to requirements in draft-ietf-sipping-content-indirect	Desirable	Content Indirection Mechanism	All content must be carried inline	CN1	Rel 6	SIP	IESG Evaluation	No date	No date
63	The SIP "Join" Header	http://www.ietf.org/internet-drafts/draft-ietf-sip-join-03.txt	Low	Possible	Nice to Have	Call Monitoring, etc.	These features not easily available	CN1	Rel 6	SIP	WGLC Completed	No date	No Date
64	The SIP Referred-By Mechanism	http://www.ietf.org/internet-drafts/draft-ietf-sip-referredby-03.txt	Low	Possible	Desirable	Call Transfer, Conferencing	Less efficient call transfers and conferencing	CN1	Rel 6	SIP	IESG Evaluation	No date	No Date
65	The SIP "Replaces" Header	http://www.ietf.org/internet-drafts/draft-ietf-sip-replaces-04.txt	Low	Possible	Nice to Have	Call Transfer	Less efficient call transfers	CN1	Rel 6	SIP	IESG Evaluation	No date	No Date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
66	Connection Reuse in the Session Initiation Protocol (SIP)	http://www.ietf.org/internet-drafts/draft-ietf-sip-connect-reuse-01.txt	Medium	Possible	Desirable	Reuse connections	IMS less efficient	CN1	Rel 6	SIP	In progress	Jul 04	No date
67	Caller Preferences and Callee Capabilities for SIP	http://www.ietf.org/internet-drafts/draft-ietf-sip-callerprefs-10.txt	COMPLETED except for publication	Definite	Critical	Conferencing and multiple terminals	Cannot indicate conferencing preferences and multiple terminals	SA2 CN1	Rel 6	SIP	RFC Editor Queue	No date	No Date
68	Caller Preferences and Callee Capabilities for SIP	http://www.ietf.org/internet-drafts/draft-ietf-sip-callee-caps-03.txt	COMPLETED except for publication	Definite	Critical	Conferencing and multiple terminals	Cannot indicate conferencing capabilities	SA2 CN1	Rel 6	SIP	RFC Editor Queue	No date	No Date
69	SIP Event Notification Throttles	http://www.ietf.org/internet-drafts/draft-niemi-sipping-event-throttle-00.txt	High	Posssible – One solution to requirements in draft-ietf-sipping-event-throttle-reqs	Critical – At least some solution needed.	Notification throttling	Inefficient presence service	CN1	Rel 6	SIPPING	In progress	No date	No date
70	Framework for Transcoding with the Session Initiation Protocol	http://www.ietf.org/internet-drafts/draft-camarillo-sipping-transc-framework-00.txt	Low	Possible	Desirable	Transcoding	Reduced interoperability or require gateway solution	CN1 CN3	Rel 6	SIPPING	In progress	No date	No Date
71	Transcoding Services Invocation in the Session Initiation Protocol Using Third Party Call Control	http://www.ietf.org/internet-drafts/draft-ietf-sipping-transc-3pcc-00.txt	Low	Possible. One alternative for a solution for required transcoding functionality	Desirable	Transcoding	Reduced interoperability or require gateway solution	CN1 CN3	Rel 6	SIPPING	In progress	No date	No Date
72	The Session Initiation Protocol Conference Bridge Transcoding Model	http://www.ietf.org/internet-drafts/draft-camarillo-sipping-transc-b2bua-01.txt	Medium	Possible. One alternative for a solution for required transcoding functionality	Desirable	Transcoding	Reduced interoperability or require gateway solution	CN1 CN3	Rel 6	SIPPING	In progress	No date	No Date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
73	Requirements for Limiting the Rate of Event Notifications	http://www.ietf.org/internet-drafts/draft-ietf-sipping-event-throttle-reqs-00.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status). Solution is Critical	Defines presence requirements for throttling notifications	Inefficient presence service	CN1	Rel 6	SIPPING	RFC not needed	No date	No date
74	A Framework for Session-Independent Intermediary Session Policies in SIP	http://www.ietf.org/internet-drafts/draft-hilt-sipping-session-indep-policy-00.txt	Medium	Possible. Need solution to requirements in draft-ietf-sipping-session-policy-req	Desirable – At least some solution needed. Not sure whether we need this one. The requirements we supported were more in relation to the session specific	Inform UE of network policies	Fragile services	CN1	Rel 6	SIPPING	In progress	No date	No date
75	A Framework for Session-Specific Intermediary Session Policies in SIP	http://www.ietf.org/internet-drafts/draft-hilt-sipping-session-spec-policy-00.txt	Medium	Possible. Need solution to requirements in draft-ietf-sipping-session-policy-req	Desirable – At least some solution needed.	Inform UE of network policies	Fragile services	CN1	Rel 6	SIPPING	In progress	No date	No date
76	Early Media and Ringback Tone Generation in SIP	http://www.ietf.org/internet-drafts/draft-ietf-sipping-early-media-01.txt	Low	Possible (requirements are needed, but contents under discussion).	Nice to Have - (needs stability, but not necessarily RFC status)	Early Media for IVR support	Inconsistent handling of early media	CN1	Rel 6	SIPPING	RFC not needed	No date	No date
77	SIP Generic Request History Capability - Requirements	http://www.ietf.org/internet-drafts/draft-ietf-sipping-req-history-04.txt (expired)	Low	Possible (requirements are needed, but contents under discussion).	Nice to Have - (needs stability, but not necessarily RFC status)	Call Trace	No call trace and routing info for user	CN1	Rel 6	SIPPING	RFC not needed	No date	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
78	Requirements for Session Policy for SIP	http://www.ietf.org/internet-drafts/draft-ietf-sipping-session-policy-req-00.txt	Low	Possible (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status)	Inform UE of network policies	Fragile services	CN1	Rel 6	SIPPING	RFC not needed	No date	No date
79	Solution for SIP-based Emergency Calls	http://www.ietf.org/internet-drafts/draft-schulzrinne-sipping-emergency-arch-00.txt	High	Possible – One solution to requirements in draft-schulzrinne-sipping-emergency-req	Critical – At least some solution needed.	IMS based emergency calls	Cannot make IMS emergency calls	CN1	Rel 6	SIPPING	In progress	No date	No date
80	SIP Call Control – Conferencing for User Agents	http://www.ietf.org/internet-drafts/draft-ietf-sipping-cc-conferencing-03.txt	Medium	Definite	Critical – At least some solution needed	Conferencing	Conferencing Service not Available	CN1	Rel 6	SIPPING	In progress	No date	No date
81	SIP-AAA Requirements	http://www.ietf.org/internet-drafts/draft-ietf-sipping-aaa-req-04.txt	DONE	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	RFC 3702	No date	No date
82	A Framework for Conferencing with SIP	http://www.ietf.org/internet-drafts/draft-ietf-sipping-conferencing-framework-01.txt	Medium	Definite	Critical	Conferencing	Conferencing Service not Available	SA2 CN1	Rel 6	SIPPING	In progress	No date	No date
83	Requirements for SIP-based Emergency Calls	http://www.ietf.org/internet-drafts/draft-schulzrinne-sipping-emergency-req-00.txt	Low	Possible (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status). Solution is Critical.	IMS based emergency calls	Cannot make IMS emergency calls	SA2 CN1	Rel 6	SIPPING	RFC not needed	No date	No date
84	Ipv6-Ipv4 Translators in 3GPP Networks	http://www.ietf.org/internet-drafts/draft-elmalki-sipping-3gpp-translator-00.txt	High	Possible – Some SIP oriented solution needed	Critical – At least some solution needed	Describes SIP translation mechanisms for Ipv4/Ipv6 inerworking	Ad hoc translation mechanims evolve	SA2	Rel 6	SIPPING	In Progress	No date	No date

0#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
85	Transition Scenarios for 3GPP Networks	http://www.ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-cases-03.txt	DONE	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	RFC 3574	No date	No date
86	Analysis of Ipv6 Transition in 3GPP Networks	http://www.ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-analysis-08.txt	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	IETF Last Call	No date	No date
87	Requirements for Floor Control	http://www.ietf.org/internet-drafts/draft-koskelainen-xcon-floor-control-req-01.txt	Low	Possible (requirements under discussion).	Desirable - (needs stability, but not necessarily RFC status)	Defines reqs for floor control	Insufficient conferencing service	CN1	Rel 6	XCON	RFC not needed	No date	No date
88	Solution for Conference Floor Control	No draft existing	High	Possible	Critical – At least some solution needed	Conferencing	No floor control	CN1	Rel 6	XCON	In progress	No date	No date
89	XCAP Usage for Conference Policy Manipulation	http://www.ietf.org/internet-drafts/draft-koskelainen-xcon-xcap-cpcp-usage-02.txt	High	Definite – Solution to requirements in draft-ietf-xcon-cpcp-req	Critical	Conferencing & IMS Messaging	Insufficient Conferencing Service	CN1	Rel 6	XCON	In progress	No date	No date
90	Requirements for Conference Policy Control Protocol	http://www.ietf.org/internet-drafts/draft-ietf-xcon-cpcp-reqs-02.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable – (needs stability, but not necessarily RFC status). Solution is Critical.	Defines reqs for conference policy data	Insufficient conferencing service	CN1	Rel 6	XCON	RFC not needed	No date	No date
91	High Level Requirements for Tightly Coupled SIP Conferencing	http://www.ietf.org/internet-drafts/draft-ietf-sipping-conferencing-requirements-00.txt	Low	Definite (requirements are needed, but contents under discussion).	Desirable – (needs stability, but not necessarily RFC status)	Defines reqs for conferencing service	Insufficient conferencing service	CN1	Rel 6	XCON	RFC not needed	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)

Please contact stephen.hayes@ericsson.com with any updates

Change Log

Date	Version	Description of Change
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 mp nb-sip-visited-network-id, mills-sip-Access-Network-Info, mp nb-sip-called-party-id, mp nb-sip-associated-uri, henrikson-sip-charging-information with mp nb-sipping-3gpp-p-headers. Removed hendrikson-sip-original-dialog-id. Replaced beckmann-sip-reg-event with mp nberg-sip-reg-event. Added possible Rel-6 dependency on camarillo-sip-compression. Added soininen-ngtrans-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-sipgrag, 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 mp-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-pppext-eap-sim dependencies. Sdp-new moved to Rel 6. Updated status of dependencies.
06-01-2003	6.0.5	Updated status of items. Sip-compression moved to Rel 5. Added RFC#'s for those items published.
25-01-2003	6.0.6	Updated status of items.
07-03-2003	6.0.7	Updated status of items. Removed NASREQ dependency. Updated status of dependencies.
08-04-2003	6.1.0	Removed completed Rel 4 and Rel 5 items from table. Updated dependencies as defined in N1-030562. Promoted presence, comferencing, and IM dependencies to "Definite". Aaa-eap, eap-aka, eap-sim upgraded to "Definite" and "Critical" dependencies. Removed the UID column, as it was not being used. Updated status of dependencies.
13-04-2003	6.1.1	Refer removed out since now a completed Rel 5 dependency.
25-04-2003	6.1.2	Removed duplicate row for olson-simple-publish
27-05-2003	6.1.3	Removed ipv6-dns-discovery and Rosenberg-sipping-lease. Added dependency on lonnfors-simple-binpidf and placeholders for rate limiting, emergency calls, and private messages. Risk, How definite, and priority values updated based upon N1-030866. Updated status of dependencies and links.
12-09-2003	6.14	Updated status of dependencies and links. Replaced camarillo-sip-deaf with camarillo-sipping-transc-framework, camarillo-sipping-transc-3pcc, camarillo-sipping-transc-b2bua, camarillo-mmusic-source-sink. Added dependencies on avt-rtcp-feedback avt-rtcp-report-extns, singer-avt-3gpp-mime, avt-rtp-h264, avt-rtp-retransmission, rey-avt-3gpp-timed-text, and elmalki-v6ops-36pp-translator
04-12-2003	6.15	Updated status of dependencies and links. Replaced simple-acap-data with simple-xcap, simple-xcap-auth-usage, simple-xcap-list-usage, simple-xcap-package, isomaki-simple-xcap-publish-usage. Removed expired requirements drafts sipping-content-indirect-reqs, sipping-connect-reuse-reqs. Added dependency on sip-callee-caps. Marked dependency on aaa-diameter-cc as possible (instead of definite). Added sjoberg-avt-rtp-amrwbplus. Added adranhi-eap-network-discovery-and-selection. Removed expires schulzrinne-sip-bind.
11-02-2004	6.16	Added dependencies from SA3: pkix-rfc2510bis, ipsec-pki-profile, hoffman-pki4ipsec-profile, eap-rfc2284bis, eap-keying. Added dependency on aaa-diameter-nasreq for WLAN. Added simple-partial-pidf-format Added lonnfors-simple-prescaps, ietf-simple-filter-func, ietf-simple-filter-format, peterson-geopriv-pidf-lo, ietf-simple-cipid. Removed Removed simple-xcap-package, khartabil-simple-presence-filter, khartabil-simple-winfo-filter, lonnfors-simple-binpidf. Made aaa-diameter-cc & mmusic-sdp-new both Rel 5 & Rel 6 dependencies. Updated status of dependencies.
08-03-2004	6.17	Removed draft-camarillo-mmusic-source-sink, Added schulzrinne-sipping-emergency-arch, Removed even-xcon media-policy-requirements, mahy-xcon-media-policy-control. Replaced isomaki-simple-xcap-publish-usage with isomaki-simple-xcap-pidf-manipulation-usage. Added ietf-rmt-flute. Updated status of dependencies.