

Source: CN Chair
Title: REPORT - IETF Status
Agenda item: 8.1
Document for: INFORMATION

1. Executive Summary

Good progress in several areas:

- 30 of 78 ((38%) Rel 6 Dependencies completed (either on RFC ed queue or RFC published)
- 8 RFCs issued
- 9 drafts approved by IESG since TSG#24
- Diameter Credit Control and NASREQ approved by IESG
- Drafts exist for all protocol needs
- EAP and IPSEC drafts needed for WLAN are progressing

Protocol work proceeding well especially in SIP/SIPPING/SIMPLE/XCON area. Total Release 6 dependencies now at 78. This decrease of 8 since last report mainly due to removing of protocol requirement drafts functionality excluded from Rel 6 (e.g., UE based Ipv4/Ipv6 translation, UE aware transcoding solutions, session policies, pki for ipsec).

Highest risk areas are:

- SIMPLE/SIP/SIPPING/XCON (especially Conferencing, IM, performance optimizations)
- Timed Text (avt-rtp-3gpp-timed-text)
- WLAN (tschofenig-geopriv-radius-lo, arkko-roamops-rfc2486bis)
- Some security aspects (ietf-tls-psk, ietf-tls-rfc2284-bis)

Most IETF drafts on target for October/November 2004 timeline.

Two 3GPP/IETF coordination conference calls held between TSG#24 and TSG#25.

IETF still 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: 78

Release 7: 1

Drafts not yet approved by IESG (technical stability)

Release 4: 0

Release 5: 0

Release 6: 48

Drafts not yet published as RFCs (formally available)

Release 4: 0

Release 5: 2

Release 6: 67

Drafts approved by IESG since TSG#24: 9

Drafts published as RFCs since TSG#24: 8

3. Significant Developments

3GPP mime types draft approved by IESG.

AAA Diameter Credit Control and Nasreq approved by IESG.

Considerable restructuring of documentation in SIPPING/XCON conferencing drafts.

Work on floor control protocol progressing well.

Work on presence progressing well.

Very active AAA WG list discussion over DIAMETER extensibility rules.

Some concern by IETF Ads (but no blockage) of 3GPP usage of NATPT and ISATAP solutions for Ipv4/Ipv6 interworking.

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 Sept 6, 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 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 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 items 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

#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFCReady
1	Diameter Credit Control Application	http://www-ietf.org/internet-drafts/draft-ietf-aaa-diameter-cc-06.txt	COMPLETED except for publication	Definite	Critical	Prepaid charging	Cannot do IMS prepaid	SA5	Rel 5 & Rel 6	AAA	RFC Ed Queue	DONE	No Date
2	SDP: Session Description Protocol	http://www-ietf.org/internet-drafts/draft-ietf-mmusic-sdp-new-19.txt	Medium	Possible	Desirable	New version ofSDP	Must use old version	CN1	Rel 5 & Rel6	MMUSIC	IESG Evaluation	No date	No date
3	Diameter Network Access Server Application	http://www-ietf.org/internet-drafts/draft-ietf-aaa-diameter-nasreq-17.txt	COMPLETED except for publication	Definite	Critical	WLAN charging	Cannot use Diameter for charging collection	SA2 CN4	Rel 6	AAA	RFC Ed Queue	DONE	No date
4	Diameter Extensible Authentication Protocol (EAP) Application	http://www-ietf.org/internet-drafts/draft-ietf-aaa-eap-09.txt	Medium	Definite	Critical(Informational OK)	Use of EAP in WLAN environments	Cannot reuse 3GPP security in WLAN	SA2 SA3	Rel 6	AAA	WGLC completed	June 04	No date
5	Extended RTP Profile fo RTCP-	http://www-ietf.org/internet-	Low	Definite	Critical	Improved feedback	AV stream QoS degrades	SA4	Rel 6	AVT	IESG Evaluation	Sept 04	No date

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	based Feedback (RTP/AVPF)	drafts/draft-ietf-avt-rtcp-feedback-11.txt				mechanism for Audio Visual Profile							
6	RTP Control Protocol Extended Reports (RTCP XR)	http://www-ietf.org/internet-drafts/draft-ietf-avt-rtcp-report-extns-07.txt	COMPLETED	Definite	Critical	Improved RTCP reporting	AV stream QoS degrades	SA4	Rel 6	AVT	RFC 3611	DONE	Nov 2003
7	RTP Payload format for 3GPP Timed Text	http://www-ietf.org/internet-drafts/draft-ietf-avt-rtp-3gpp-timed-text-05.txt	High	Possible	Desirable	Support of timed text in streaming	Cannot provide timed text	SA4	Rel 6	AVT	In Progress	No date	No date
8	RTP Payload Format and AMRWB+ Audio Codec	http://www-ietf.org/internet-drafts/draft-ietf-avt-rtp-amrwbplus-01.txt	Medium	Possible. Needed in AMR-WB+ codec selected by 3GPP	Desirable	Support of AMRWB+	Cannot support AMR wB+ coded	SA4	Rel 6	AVT	In Progress	No date	No date
9	RTP Payload Formats for ETSI Standard ES 202 050, ES 202 211, and ES 202 212 Distributed Speech Recognition Encoding	http://www-ietf.org/internet-drafts/draft-ietf-avt-rtp-dsr-codecs-03.txt	Medium	Definite	Critical	RTP Support for DSR	Speech enabled services over IP with recommended codec not possible	SA4	Rel 6	AVT	IETF LC	No Date	No Date
10	RTP payload Format for JVT Video	http://www-ietf.org/internet-drafts/draft-ietf-avt-rtp-h264-11.txt	Medium	Possible	Desirable	Support of H.264 codec	Cannot support H.264 codec	SA4	Rel 6	AVT	In Progress	No date	No date
11	RTP Retransmission Payload Format	http://www-ietf.org/internet-drafts/draft-ietf-avt-rtp-retransmission-10.txt	Medium	Possible	Desirable	Improved error resilience in PSS	Lower QoS in PSS	SA4	Rel 6	AVT	AD Evaluation	No date	No date
12	MIME Type Registrations for 3GPP Multimedia files	http://www-ietf.org/internet-drafts/draft-singer-avt-3gpp-mime-01.txt	COMPLETED	Definite	Critical	MIME type for 3GPP AV files	3GPP types not properly registered	SA4	Rel 6	AVT	RFC 3839	DONE	No date
13	Mediating Network Discovery in the EAP	http://www-ietf.org/internet-drafts/draft-adrangi-eap-network-discovery-03.txt	Medium	Possible – Some Solution Needed	Critical (Informational OK)	Use EAP information for Network Discovery	Cannot do WLAN roaming	CN1 SA2 SA3	Rel 6	EAP	In Progress	No date	No date
14	EAP AKA Authentication	http://www-ietf.org/internet-drafts/draft-arkko-pppext-eap-aka-12.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	AD Evaluation	June 04	No date
15	EAP Key Management	http://www-ietf.org/internet-	Medium	Definite	Critical(Informational OK)	How to use EAP for generating,	Cannot do WLAN authentication or	CN1 CN4	Rel 6	EAP	In Progress	No date	No date

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	Framework	drafts/draft-eap-keying-03.txt				transporting keys for WLAN authentication	provide secondary keys	SA3					
16	Extensible Authentication Protocol	http://www-ietf.org/internet-drafts/draft-eap-rfc2284bis-09.txt	COMPLETED	Definite	Critical	EAP extensions to allow use in authentication over WLAN	Cannot do WLAN authentication	CN4 SA3	Rel 6	EAP	RFC 3748	DONE	6/22/2004
17	EAP SIM Authentication	http://www-ietf.org/internet-drafts/draft-haverinen-ppext-eap-sim-13.txt	Medium	Definite	Critical (Informational OK)	Use of EAP to carry SIM info	Cannot reuse 2G security in WLAN	SA2 SA3	Rel 6	EAP	AD Evaluation	June 04	No date
18	A Document Format for Expressing Privacy Preferences	http://www-ietf.org/internet-drafts/draft-geopriv-common-policy-01.txt	Medium	Definite - Needed to describe how location privacy is handled	Desirable - Privacy not consistently handled otherwise	Handling of Location info in Presence	Privacy not consistently handled	CN1	Rel 6	GEOPRIV	In progress	No date	No date
19	Advanced Instant Messaging Requirements for SIP	http://www-ietf.org/internet-drafts/draft-ietf-geopriv-pidf-lo-02.txt	Medium	Definite	Critical	Carrying location info in presence	Insufficient Presence Service	CN1	Rel 6	GEOPRIV	IESG Evaluation	No date	No date
20	Carrying Location Objects in RADIUS	http://www-ietf.org/internet-drafts/draft-tschofenig-geopriv-radius-lo-00.txt	High	Definite	Critical	Collection of info about visited environment	Cannot provide location aware charging, authentication or authorization	CN4	Rel 6	GEOPRIV	In Progress	No Date	No Date
21	Common Presence and Instant Messaging: Message Format	http://www-ietf.org/internet-drafts/draft-ietf-impp-cpim-msgfmt-08.txt	COMPLETED	Definite	Critical	IMS Messaging	IMS Messaging not Available	CN1	Rel 6	IMPP	RFC 3862	DONE	8/23/2004
22	CPIM Presence Information Data Format	http://www-ietf.org/internet-drafts/draft-ietf-impp-cpim-pidf-08.txt	COMPLETED	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	IMPP	RFC 3863	DONE	8/23/2004
23	Common Profile for IM	http://www-ietf.org/internet-drafts/draft-ietf-impp-im-04.txt	COMPLETED	Definite	Critical	IMS Messaging	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	RFC 3860	DONE	8/23/2004
24	Common Profile for Presence	http://www-ietf.org/internet-drafts/draft-ietf-impp-pres-04.txt	COMPLETED	Definite	Critical	Presence	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	RFC 3859	DONE	8/23/2004
25	Address Resolution for IM and Presence	http://www-ietf.org/internet-drafts/draft-ietf-impp-srv-04.txt	COMPLETED	Definite	Critical	Presence & IMS Messaging	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	RFC 3861	DONE	8/23/2004
26	The MAP Security Domain of Interpretation for	http://www-ietf.org/internet-drafts/draft-arkko-map-	COMPLETED except for publication	Definite	Desirable	IKE for MAP	Informational RFC: Needed for consistency of	SA3	Rel 6	IPSEC	RFC Ed Queue	DONE	No date

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	ISAKMP	doi-08.txt					applying IKE to secure GSM MAP and other GSM protocols.						
27	Internet Key Exchange (IKEv2) Protocol	http://www-ietf.org/internet-drafts/draft-ietf-ipsec-ikev2-15.txt	Medium	Definite	Critical	Secure WLAN Interworking	Improvements to IKE needed for WLAN	SA3	Rel 6	IPSEC	IESG Evaluation	No date	No date
28	Cryptographic Suites for IPSec	http://www-ietf.org/internet-drafts/draft-ietf-ipsec-ui-suites-06.txt	COMPLETED except for publication	Definite	Critical	Secure WLAN Interworking	IKEv2 profiles for I-WLAN	SA3	Rel 6	IPSEC	RFC Ed Queue	DONE	No date
29	Cryptographic Algorithms for use in the Internet Key Exchange Version 2	http://www-ietf.org/internet-drafts/draft-ietf-ikev2-algorithms-05.txt	COMPLETED except for publication	Definite	Critical	Poor ikev2 interoperability	Nodes may not be able to negotiate mutual security algorithms	SA3	Rel 6	IPSEC	RFC Ed Queue	DONE	9/7/2004
30	UDP Encapsulation of Ipsec ESP Packets	http://www-ietf.org/internet-drafts/draft-ietf-ipsec-udp-encaps-09.txt	COMPLETED except for publication	Definite	Critical	NAT traversal	Cannot traverse NATPTs	SA3	Rel 6	IPSEC	RFC Ed Queue	DONE	8/10/2004
31	A Transport Independent Bandwidth Modifier for SDP	http://www-ietf.org/internet-drafts/draft-ietf-mmusic-sdp-bwparam-06.txt	COMPLETED except for publication	Possible	Nice to Have	Media provisioning	Inconsistent bandwidth allocation	CN1	Rel 6	MMUSIC	RFC Ed Queue	DONE	No Date
32	Session Description Protocol (SDP) Source Filters	http://www-ietf.org/internet-drafts/draft-ietf-mmusic-sdp-srcfilter-06.txt	Medium	Definite	Critical	Proved receiver with source multicast address	Source filtering not possible	SA4	Rel 6	MMUSIC	IESG Evalutaion	No Date	No Date
33	Intra-Site Automatic Tunnel Addressing Protocol (ISATAP)	http://www-ietf.org/internet-drafts/draft-ietf-ngtrans-isatap-22.txt	COMPLETED except for publication	Definite	Desirable	Tunnelling IPv6 sessions over IPv4 PDP contexts	IPv6 users cannot roam to networks supporting IPv4 only.	SA2	Rel 6	NGTRANS	RFC Ed Queue	DONE	No Date
34	Internet X.509 Public Key Infrastructure Certificate Management Protocol	http://www-ietf.org/internet-drafts/draft-ietf-pkix-rfc2510bis-09.txt	COMPLETED except for publication	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	RFC Ed Queue	DONE	No date
35	FLUTE – File Delivery over Unidirectional Transport	http://www-ietf.org/internet-drafts/draft-ietf-rmt-flute-08.txt	COMPLETED except for publication	Definite	Critical	Defines unidirectional file transport protocol	Cannot do MBMS file download	SA4	Rel 6	RMT	RFC Ed Queue	DONE	No date
36	SDP Descriptors for FLUTE	http://www-ietf.org/internet-drafts/draft-mehta-rmt-	High	Definite	Critical	Using the same identifier for FLUTE over UPD	3GPP will define its own protocol identifier for FLUTE	SA4	Rel 6	RMT MMUSIC	In Progress	No Date	No Date

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		flute-sdp-00.txt				in both IETF and 3GPP domain	over UPD						
37	The Network Access Identifier	http://www-ietf.org/internet-drafts/draft-arkko-roamops-rfc2486bis-02.txt	High	Possible – Some Solution Needed	Critical(Informational OK)	NAI format for Network Selection	Cannot do WLAN roaming	CN1 SA2 SA3	Rel 6	ROAMOPS	In Progress	No date	No date
38	Contact Information in Presence Information Data Format	http://www-ietf.org/internet-drafts/draft-ietf-simple-cipid-03.txt	Medium	Definite	Critical	Contact Info	Insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date
39	Functional Description of Event Notification Filtering	http://www-ietf.org/internet-drafts/draft-ietf-simple-event-filter-funct-02.txt	Medium	Definite	Critical	Filtering Mechanism	insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date
40	SIP Event Notification Extension for Collections	http://www-ietf.org/internet-drafts/draft-ietf-simple-event-list-05.txt	Low	Definite	Critical	To subscribe to collections of event packages	Inefficient or limited Presence service	CN1	Rel 6	SIMPLE	IESG Evaluation	Oct 04	No date
41	An Extensible Markup Language (XML) Based Format for Event Notification Filtering	http://www-ietf.org/internet-drafts/draft-ietf-simple-filter-format-02.txt	Medium	Definite	Critical	Filter Data Structure	insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date
42	Is-composing Indication for Instant Messaging Using SIP	http://www-ietf.org/internet-drafts/draft-ietf-simple-iscomposing-03.txt	COMPLETED except for publication	Definite	Critical – AtLeast some solution needed	IMS Messaging	No information that user is composing a message	CN1	Rel 6	SIMPLE	RFC Ed Queue	DONE	No date
43	The Message Session Relay Protocol	http://www-ietf.org/internet-drafts/draft-ietf-simple-message-sessions-08.txt	High	Definite	Critical	IMS Messaging	No sessionbased instant messaging (including chat)	CN1	Rel 6	SIMPLE	In progress	Nov 04	No date
44	Partial Notification of Presence Information	http://www-ietf.org/internet-drafts/draft-ietf-simple-partial-notify-02.txt	Medium	Definite- solution to requirements in draft-ietf-simple-presinfo-deliv-reqs	Critical – Atleast some solution needed.	Partial notification	Presence statemust be completely refreshed	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date
45	Presence Information Data Format (PIDF) Extension for Partial Presence	http://www-ietf.org/internet-drafts/draft-ietf-simple-partial-pidf-format-01.txt	Medium	Definite- Solution to requirements in draft-ietf-simple-presinfo-deliv-reqs	Critical	Partial notification	Presence statemust be completely refreshed	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date
46	User Agent Capability Presence Status Extension	http://www-ietf.org/internet-drafts/draft-ietf-simple-prescaps-ext-01.txt	Medium	Definite	Critical	UEs can indicate presence capabilities	insufficient Presence Service	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date

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47	SIP Extensions for Presence	http://www-ietf.org/internet-drafts/draft-ietf-simple-presence-11.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1CN5	Rel 6	SIMPLE	RFC Ed Queue	DONE	No date
48	XCAP Usages for Setting Presence Authorization	http://www-ietf.org/internet-drafts/draft-ietf-simple-presence-rules-00.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	Nov 04	No date
49	RPID – Rich Presence Information Data Format	http://www-ietf.org/internet-drafts/draft-ietf-simple-rpid-03.txt	Medium	Definite	Critical	Presence	3GPP specific format used. Interoperability compromised.	CN1	Rel 6	SIMPLE	In progress	Oct 04	No date
50	An XML Based Format for Watcher Information	http://www-ietf.org/internet-drafts/draft-ietf-simple-winfo-format-05.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	SIMPLE	RFC Ed Queue	DONE	No date
51	A SIP Event Sub-Package for Watcher Information	http://www-ietf.org/internet-drafts/draft-ietf-simple-winfo-package-06.txt	COMPLETED except for publication	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	SIMPLE	RFC Ed Queue	DONE	No date
52	The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)	http://www-ietf.org/internet-drafts/draft-ietf-simple-xcap-03.txt	Medium	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	Oct 04	No date
53	XCAP Usage for Resource Lists	http://www-ietf.org/internet-drafts/draft-ietf-simple-xcap-list-usage-03.txt	Medium	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	Oct 04	No date
54	A SIP Event Package for Modification Events for XCAP Documents	http://www-ietf.org/internet-drafts/draft-ietf-simple-xcap-package-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	Nov 04	No date
55	XCAP Usage for Publishing Presence Information	http://www-ietf.org/internet-drafts/draft-ietf-simple-xcap-pidf-manipulation-usage-01.txt	Medium	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	Oct 04	No date
56	Partial Publication of Presence Information	http://www-ietf.org/internet-drafts/draft-lonnfors-simple-partial-publish-01.txt	High	Possible	Desirable	Ability to only update some presence info	Inefficient presence service	CN1	Rel 6	SIMPLE	In progress	Nov 04	No date
57	An XML Representation for Expressing Policy	http://www-ietf.org/internet-drafts/draft-rosenberg-	High	Definite	Desirable	Allow discovery of policies of a server	Poor interoperability	CN1	Rel 6	SIMPLE	In Progress	Oct 04	No Date

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	Capabilities	simple-common-policy-caps-01.txt											
58	An XML Representation for Expressing Presence Policy Capabilities	http://www-ietf.org/internet-drafts/draft-rosenberg-simple-pres-policy-caps-01.txt	High	Definite	Desirable	Allow discovery of policies of a presence server	Poor presence interoperability	CN1	Rel 6	SIMPLE	In Progress	Nov 04	No Date
59	SIP Conferencing: Sub-conferences and Sidebars	http://www-ietf.org/internet-drafts/draft-rosen-xcon-conf-sidebars-01.txt	High	Possible	Desirable	Ability to send private msgs in conference	Can't send private messages (whispers) within conference	CN1	REL 6	SIMPLE	In progress	Nov 04	No date
60	Caller Preferences and Callee Capabilities for SIP	http://www-ietf.org/internet-drafts/draft-ietf-sip-callee-caps-03.txt	COMPLETED	Definite	Critical	Conferencing and multiple terminals	Cannot indicate conferencing capabilities	SA2 CN1	Rel 6	SIP	RFC 3840	DONE	8/31/2004
61	Caller Preferences and Callee Capabilities for SIP	http://www-ietf.org/internet-drafts/draft-ietf-sip-callerprefs-10.txt	COMPLETED	Definite	Critical	Conferencing and multiple terminals	Cannot indicate conferencing preferences and multiple terminals	SA2 CN1	Rel 6	SIP	RFC 3841	DONE	8/31/2004
62	Connection Reuse in the Session Initiation Protocol (SIP)	http://www-ietf.org/internet-drafts/draft-ietf-sip-connect-reuse-02.txt	High	Possible	Desirable	Reuse connections	IMS less efficient	CN1	Rel 6	SIP	In progress	Nov 04	No date
63	A Mechanism for Content Indirection in SIP Messages	http://www-ietf.org/internet-drafts/draft-ietf-sip-content-indirect-mech-04.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	Oct 04	No date
64	SIP Extension for Event State Publication	http://www-ietf.org/internet-drafts/draft-ietf-sip-publish-04.txt	COMPLETED except for publication	Possible – One solution to requirements in draft-ietf-simple-publish reqs	Critical – Atleast some solution needed.	Protocol for composing state information	Presence Service not Available	CN1	Rel 6	SIP	RFC Ed Queue	DONE	No date
65	The SIP Referred-By Mechanism	http://www-ietf.org/internet-drafts/draft-ietf-sip-referredby-05.txt	COMPLETED except for publication	Possible	Desirable	Call Transfer, Conferencing	Less efficient call transfers and conferencing	CN1	Rel 6	SIP	RFC Ed Queue	DONE	No Date
66	The SIP "Replaces" Header	http://www-ietf.org/internet-drafts/draft-ietf-sip-replaces-05.txt	COMPLETED except for publication	Possible	Nice to Have	Call Transfer	Less efficient call transfers	CN1	Rel 6	SIP	RFC Ed Queue	DONE	No Date
67	Session Timers in the SIP	http://www-ietf.org/internet-drafts/draft-ietf-sip-session-timer-15.txt	COMPLETED except for publication	Possible	Nice to Have	Clean up lost sessions	Possible memory leaks	CN1	Rel 6	SIP	RFC Ed Queue	DONE	No date
68	SIP Call Control – Conferencing for	http://www-ietf.org/internet-	High	Definite	Critical – Atleast some solution needed	Conferencing	Conferencing Service not	CN1	Rel 6	SIPPING	In progress	Nov 04	No date

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	User Agents	drafts/draft-ietf-sipping-cc-conferencing-04.txt					Available						
69	A SIP Event Package for Conference State	http://www-ietf.org/internet-drafts/draft-ietf-sipping-conference-package-05.txt	High	Definite	Critical – Atleast some solution needed	Conferencing	Conferencing Service not Available	CN1	Rel 6	SIPPING	In progress	Nov 04	No date
70	A Framework for Conferencing with SIP	http://www-ietf.org/internet-drafts/draft-ietf-sipping-conferencing-framework-02.txt	Medium	Definite	Critical	Conferencing	Conferencing Service not Available	SA2 CN1	Rel 6	SIPPING	In progress	Oct 04	No date
71	Early Media and Ringback Tone Generation in SIP	http://www-ietf.org/internet-drafts/draft-ietf-sipping-early-media-02.txt	COMPLETED except for publication	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 Ed Queue	DONE	No date
72	SIP Event Notification Throttles	http://www-ietf.org/internet-drafts/draft-niemi-sipping-event-throttle-01.txt	High	Possible– One solution to requirements in draft-ietf-sipping-event-throttle-reqs	Critical – Atleast some solution needed.	Notification throttling	Inefficient presence service	CN1	Rel 6	SIPPING	In progress	Nov 04	No date
73	Pre-Shared Key Ciphersuites for Transport Layer Security	http://www-ietf.org/internet-drafts/draft-ietf-tls-psk-00.txt	High	Definite	Desirable	Use of pre-shared keys for TLS	pre-shared keys for TLS not available	SA3	Rel 6	TLS	In Progress	No Date	No Date
74	The TLS Protocol Version 1.1	http://www-ietf.org/internet-drafts/draft-ietf-tls-rfc2246-bis-08.txt	High	Definite	Desirable	More secure presence	Must use TLS 1.0	SA3	Rel 6	TLS	In Progress	No Date	No Date
75	Analysis of Ipv6 Transition in 3GPP Networks	http://www-ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-analysis-10.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	IESG Evaluation	No date	No date
76	Transition Scenarios for 3GPP Networks	http://www-ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-cases-03.txt	COMPLETED	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	DONE	No date
77	The Binary Floor Control Protocol	http://www-ietf.org/internet-drafts/draft-ietf-xcon-bfcp-01.txt	High	Possible	Desirable	Conferencing	No floor control	CN1	Rel 6	XCON	In progress	Nov 04	No date
78	The Conference Policy Control	http://www-ietf.org/internet-	High	Definite	Critical	Conferencing & IMS Messaging	No Conferencing Service	CN1	Rel 6	XCON	In Progress	Nov 04	No Date

#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFCReady
	Protocol	drafts/draft-xcon-cpcp-xcap-01.txt											
79	Solution for SIP-based Emergency Calls	http://www-ietf.org/internet-drafts/draft-schulzrinne-sipping-emergency-arch-01.txt	Low	Possible– One solution to requirements in draft-schulzrinne-sipping-emergency-req	Critical – Atleast some solution needed.	IMS based emergency calls	Cannot make IMS emergency calls	CN1	Rel 7	SIPPING	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>)

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 soinenen-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-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 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-binpdf 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	6.1.4	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-3gpp-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 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.
25-05-2004	6.1.8	Replaced adrangi-network-discovery-and-selection with adrangi-network-discovery and arkko-roamops-rfc2486bis. Replaced simple-xcap-auth-uage with simple-presence-rules. Added simple-xcap-package, lonnfors-simple-partial-publish, sipping-conference-package. Added rosen-xcon-conf-sidebars and sip-session-timer. Removed many expired requirements drafts: simple-data-req, simple-publish-reqs, kiss-simple-presence-reqs, simple-presinfo-deliv-reqs, niemi-simple-im-wireless-reqs, sipping-event-throttle-reqs, sipping-req-history, sipping-conferencing-requirements. Emergency call related drafts moved to Rel 7. Updated status of items.
26-05-2004	6.1.9	Added ietf-ipsec-ikev2, ietf-ipsec-ui-suites.
06-09-2004	6.2.1	Major cleanup of dependencies as Rel 6 freeze approaches. Removed no longer needed requirements drafts: sipping-session-policy-req, xcon-cpcp-reqs, xcon-floor-control-req, sipping-aaa-req, rosenberg-simple-messaging-requirements, simple-pres-filter-reqs, simple-winfo-filter-reqs. Removed expired drafts which are not being progressed: ietf-sip-congestsafe, schulzrinne-sipping-emergency-req. Removed solutions not referenced in Rel 6: sip-join, elmalki-sipping-3gpp-translator, sipping-transc-3gpp, sip-history-info, ipsec-pki-profile, hoffman-pki4ipsec-profile, ietf-sipping-session-spec-policy, hilt-sipping-session-spec-policy, aaa-diameter-sip-app, mmusic-sdp-comedia, sipping-transc-b2bua, sipping-transc-framework. Removed completed Rel 5 dependencies: sipping-3gpp, sipping-reg-event., Replaced koskelainen-xcon-cpcp-usage with ietf-xcon-cpcp-xcap. Added dependencies: tls-psk, rosenberg-simple-pres-policy-caps, rosenberg-simple-common-policy-caps, geopriv-common-policy, tls-2246bis, ipsec-ikev2-algorithms, ipsec-udp-encaps, ngtrans-isatap, mehta-rmt-flute-sdp. Updated status of items.