

Source: CN Chair
Title: REPORT - IETF Status
Agenda item: 4.3
Document for: INFORMATION

1 1. Executive Summary

One Rel 5 SIP draft still not completed (3pcc). This is a minor dependency and could be removed if necessary. 2 drafts approved but still awaiting publication. IETF to continue to try and expedite all outstanding 3GPP Rel 5 dependencies.

11 New Dependencies added for Release 6, bringing total to 78. Additional dependencies may be required as solutions are developed for Ipv4/Ipv6 interworking, transcoding, AMR-WB+ transport, etc.

Most IETF drafts on target for March 2004 timeline.

XCON WG created in IETF to handle conferencing issues

2 2. Statistics

Drafts being tracked:

Release 4: 2

Release 5: 45

Release 6: 78

Drafts not yet approved by IESG (technical stability)

Release 4: 0

Release 5: 1

Release 6: 73

Drafts not yet published as RFCs (formally available)

Release 4: 0

Release 5: 2

Release 6: 77

Drafts approved by IESG since TSG#20: 3
Drafts published as RFCs since TSG#20: 8

3 3. Significant Developments

Significant work in IETF required in the areas of Presence and IM (to meet 3GPP efficiency requirements). Significant work also required in the area of Conferencing and possibly Group Management. EAP-AKA and EAP-SIM completion depends on completion of 2284bis (EAP).

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 September 12, 2003
- 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

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 Base Protocol	http://www.ietf.org/internet-drafts/draft-ietf-aaa-diameter-17.txt	COMPLETED	Definite	Critical	Authentication and Authorization	Only GPRS specific security provided	CN4 SA5	Rel 5 Late	AAA	RFC 3588	23Jan03	No date
2	Provisional Diameter Command Codes for 3GPP Release 5	http://www.ietf.org/internet-drafts/draft-ietf-aaa-cv-3gpp-01.txt	COMPLETED	Definite	Critical	Allocation of cmd codes	IANA will not allocate cmd codes needed by Cx/Dx, Sh.	CN4	Rel 5 Late	AAA	RFC 3589	23Jan03	No date
3	SDP Bandwidth Modifiers for RTCP Bandwidth	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-bw-05.txt	COMPLETED	Definite	Desirable	Specification of RTCP parameters in SDP	Cannot allocate separate media for RTCP	SA4	Rel 5 Late	AVT	RFC 3556	20May02	

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	Dynamic Host Configuration Protocol for IPv6 (DHCPv6)	http://www.ietf.org/internet-drafts/draft-ietf-dhc-dhcpv6-28.txt	COMPLETED	Definite	Desirable	Use Ipv6 addr if DHCP used.	Must rely on GPRS specific discovery mechanisms	SA2	Rel 5 Late	IPV6	RFC 3315	12Dec02	
5	Mapping of Media Streams to Resource Reservation Flows	http://www.ietf.org/internet-drafts/draft-ietf-mmusic-reservation-flows-01.txt	COMPLETED	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 3524	12Dec02	
6	DHCPv6 Options for SIP Servers	http://www.ietf.org/internet-drafts/draft-ietf-sip-dhcpv6-01.txt	COMPLETED	Definite	Desirable	SIP server discovery.	Must rely on GPRS specific discovery mechanisms	SA2	Rel 5 Late	SIP	RFC 3319	14Nov02	
7	Best Current Practices for Third Party Call Control in the Session Initiation Protocol	http://www.ietf.org/internet-drafts/draft-ietf-sipping-3pcc-04.txt	LATE	Definite	Desirable	OSA control of SIP sessions	OSA cannot support IMS	CN5	Rel 5 Late	SIP	IESG Evaluation	Mar03	No Date
8	Registration Event package	http://www.ietf.org/internet-drafts/draft-ietf-sippin-reis-event-00.txt	COMPLETED except for publication	Definite	Critical	Event for registration (taken from Presence)	Cannot be notified of registrations	CN1	Rel 5 Late	SIP	RFC Editor Queue	12Dec02	No date
9	Session Initiation Protocol Extension Header Field for Service Route Discovery During Registration	http://www.ietf.org/internet-drafts/draft-ietf-sip-scrdiscov-04.txt	COMPLETED except for publication	Definite	Critical	Needed to route signalling to appropriate CSCFs	Cannot ensure all necessary servers are in the signalling path	CN1	Rel 5 Late	SIP	RFC Editor Queue	Mar03	No Date
10	The SIP/SDP static dictionary for Signaling Compression	http://www.ietf.org/internet-drafts/draft-ietf-sipping-sigcomp-sip-dictionary-05.txt	COMPLETED	Possible	Desirable	Enhanced SIP compression	Non-optimal use of bandwidth and longer session establishment delays	CN1	Rel 5 Late	SIPPING	RFC 3485	28Nov02	

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11	Diameter Multimedia Application (or equivalent)	http://www.ietf.org/internet-drafts/draft-belinchon-aaa-diameter-mm-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	No date	No date
12	Diameter Credit Control Application	http://www.ietf.org/internet-drafts/draft-hakala-diameter-credit-control-06.txt	High	Definite	Critical	Prepaid charging	Cannot do IMS pre-paid	SA5	Rel 6	AAA	In Progress	No Date	No Date
13	Diameter Extensible Authentication Protocol (EAP) Application	http://www.ietf.org/internet-drafts/draft-ietf-aaa-eap-02.txt	Low	Definite	Critical (Informational OK)	Use of EAP in WLAN environments	Cannot reuse 3GPP security in WLAN	SA2 SA3	Rel 6	AAA	IESG Evaluation	No date	No date
14	Extended RTP Profile for RTCP-based Feedback(RTP/AVPF)	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-feedback-07.txt	Low	Definite	Critical	Improved feedback mechanism for Audio Visual Profile	AV stream QoS degrades	SA4	Rel 6	AVT	AD Evaluation	No date	No date
15	RTP Control Protocol Extended Reports (RTCP XR)	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-nprpt-extns04.txt	Low	Definite	Critical	Improved RTCP reporting	AV stream QoS degrades	SA4	Rel 6	AVT	RFC Ed Queue	No date	No date
16	MIME Type Registrations for 3GPP Multimedia files	http://www.ietf.org/internet-drafts/draft-singer-avt-3gpp-mime-00.txt	Low	Definite	Critical	MIME type for 3GPP AV files	3GPP types not properly registered	SA4	Rel 6	AVT	WGLC Completed	No date	No date
17	RTP payload Format for JVT Video	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-h264-02.txt	Medium	Possible	Desirable	Support of H.264 codec	Cannot support H.264 codec	SA4	Rel 6	AVT	In Progress	No date	No date
18	RTP Retransmission Payload Format	http://www.ietf.org/internet-drafts/draft-ietf-avt-rtp-retransmission-09.txt	Low	Possible	Desirable	Improved error resilience in PSS	Lower QoS in PSS	SA4	Rel 6	AVT	AD Evaluation	No date	No date
19	RTP Payload format for 3GPP Timed Text	http://www.ietf.org/internet-drafts/draft-rev-avt-3gpp-timed-text-00.txt	Medium	Possible	Desirable	Support of timed text in streaming	Cannot provide timed text	SA4	Rel 6	AVT	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
20	EAP AKA Authentication	http://www.ietf.org/internet-drafts/draft-arkko-pppext-eap-aka-10.txt	High	Definite	Critical	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
21	EAP SIM Authentication	http://www.ietf.org/internet-drafts/draft-haverinen-pppext-eap-sim-11.txt	High	Definite	Critical (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
22	Common Presence and Instant Messaging: Message Format	http://www.ietf.org/internet-drafts/draft-ietf-impp-cpim-msgfmt-08.txt	Low	Definite	Critical	IMS Messaging	IMS Messaging not Available	CN1	Rel 6	IMPP	IESG Evaluation	No date	No date
23	CPIM Presence Information Data Format	http://www.ietf.org/internet-drafts/draft-ietf-impp-cpim-pidf-08.txt	Low	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	IMPP	IESG Evaluation	No date	No date
24	Common Profile for IM	http://www.ietf.org/internet-drafts/draft-ietf-impp-im-03.txt	Low	Definite	Critical	IMS Messaging	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	IESG Evaluation	No date	No date
25	Common Profile for Presence	http://www.ietf.org/internet-drafts/draft-ietf-impp-pres-03.txt	Low	Definite	Critical	Presence	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	IESG Evaluation	No date	No date
26	Address Resolution for IM and Presence	http://www.ietf.org/internet-drafts/draft-ietf-impp-srv-03.txt	Low	Definite	Critical	Presence & IMS Messaging	Interoperability with CPIM compromised.	CN1	Rel 6	IMPP	IESG Evaluation	No date	No date
27	The MAP Security Domain of Interpretation for ISAKMP	http://www.ietf.org/internet-drafts/draft-arkko-map-doi-07.txt	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	AD Evaluation	No date	No date
28	SDP: Session Description Protocol	http://search.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-new-14.txt	Low	Possible	Desirable	New version of SDP	Must use old version	CN1	Rel 6	MMUSIC	IESG Evaluation	No date	No date
29	ATransport Independent Bandwidth Modifier for SDP	http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-bwparam-04.txt	Low	Possible	Nice to Have	Media provisioning	Inconsistent bandwidth allocation	CN1	Rel 6	MMUSIC	WGLC complete	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
30	Connection-Oriented Media Transport in SDP	http://www.ietf.org/internet-drafts/draft-ietf-mmusic-sdp-comedia-05.txt	Medium	Possible	Desirable	IMS Messaging	Messaging over connection oriented transports	CN1	Rel 6	MMUSIC	AD Evalutaion	No date	No date
31	Requirements for Floor Control	http://www.ietf.org/internet-drafts/draft-koskelainen-mmusic-floor-req-02.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	MMUSIC	RFC not needed	No date	No date
32	The Source and Sink Attributes for the Session Description Protocol	http://www.ietf.org/internet-drafts/draft-camarillo-mmusic-source-sink-01.txt	Low	Possible. May be required for transcoder solution	Desirable	Transcoding	Reduced interoperability or require gateway solution	CN1 CN3	Rel 6	MMUSIC	In progress	No date	No Date
33	Instant Message Sessions in SIMPLE	http://www.ietf.org/internet-drafts/draft-campbell-simple-im-sessions01.txt	Medium	Definite	Critical	IMS Messaging	No session based instant messaging (including chat)	CN1	Rel 6	SIMPLE	In progress	No date	No date
34	Requirements for Manipulation of Data Elements in SIMPLE Systems	http://www.ietf.org/internet-drafts/draft-ietf-simple-data-req-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 data manipulation	Insufficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
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	WGLC complete	No date	No date
36	SIP Extensions for Presence	http://www.ietf.org/internet-drafts/draft-ietf-simple-presence-10.txt	Low	Definite	Critical	Presence	Presence Service not Available	CN1	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

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38	An XML Based Format for Watcher Information	http://www.ietf.org/internet-drafts/draft-ietf-simple-wininfo-format-04.txt	Low	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-wininfo-package-05.txt	Low	Definite	Critical	Presence	Presence Service not Available	CN1	Rel 6	SIMPLE	RFC Ed Queue	No date	No date
40	Event Notification Filtering for Presence	http://www.ietf.org/internet-drafts/draft-khartabil-simple-presence-filter-00.txt	High	Possible – One solution to requirements in draft-moran-simple-pres-filter reqs	Critical – At least some solution needed.	Filterning of presence event notifications	Source filtering of notifications not possible	CN1	Rel 6	SIMPLE	In progress	No date	No date
41	Event Notification Filtering for Watcher Info	http://www.ietf.org/internet-drafts/draft-khartabil-simple-wininfo-filter-00.txt	High	Possible – One solution to requirements in draft-kiss-simple-wininfo-filter reqs	Critical – At least some solution needed.	Filterning of presence watcher event notifications	Filtering of watcher notifications not possible	CN1	Rel 6	SIMPLE	In progress	No date	No date
42	Requirements for Presence Service based on 3GPP specifications and wireless environment characteristics	http://www.ietf.org/internet-drafts/draft-kiss-simple-presence-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 3GPP presence requirements	Insufficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
43	Requirements for Filtering of Watcher Information	http://www.ietf.org/internet-drafts/draft-ietf-simple-wininfo-filter-reqs-00.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
44	Partial Notification of Presence Information	http://www.ietf.org/internet-drafts/draft-lonnfors-simple-partial-notify-02.txt	Low	Possible – One solution to requirements in draft-lonnfors-simple-presinfo-deliv-reqs	Critical – At least some solution needed.	Partial notification	Presence state must be completely refreshed	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
45	Requirements for Efficient Delivery of Presence Notification	http://www.ietf.org/internet-drafts/draft-ietf-simple-presinfo-deliv-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 partial notification	Inefficient presence service	CN1	Rel 6	SIMPLE	RFC not needed	No date	No date
46	Requirements for Presence specific Event Notification Filters	http://www.ietf.org/internet-drafts/draft-ietf-simple-pres-filter-reqs-02.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
47	Requirements for Instant Messaging in 3GPP Wireless Systems	http://www.ietf.org/internet-drafts/draft-niemi-simple-im-wireless-reqs-01.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
48	SIMPLE Presence Publication Mechanism	http://www.ietf.org/internet-drafts/draft-ietf-simple-publish-01.txt	Medium	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	SIMPLE	In progress	No date	No date
49	An ACAP Dataset Classes for Presence List and Authorization Policy	http://www.ietf.org/internet-drafts/draft-rosenberg-simple-acap-data-00.txt	High	Possible – One solution to requirements in draft-ietf-simple-data-req	Critical – At least some solution needed.	Protocol for presence data manipulation	User cannot manage lists and authorization	CN1	Rel 6	SIMPLE	In progress	No date	No date
50	Advanced Instant Messaging Requirements for SIP	http://www.ietf.org/internet-drafts/draft-rosenberg-simple-messaging-requirements-00.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

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51	Is-composing Indication for Instant Messaging Using SIP	http://www.ietf.org/internet-drafts/draft-schulzrinne-simple-iscomposing-00.txt	Medium	Definite	Desirable	IMS Messaging	No information that user is composing a message	CN1	Rel 6	SIMPLE	In progress	No date	No date
52	RPID – Rich Presence Information Data Format	http://www.ietf.org/internet-drafts/draft-ietf-simple-rpid-00.txt	Medium	Definite	Critical	Presence	3GPP specific format used. Interoperability compromised.	CN1	Rel 6	SIMPLE	In progress	No date	No date
53	Solution for Limiting the Rate of Event Notifications	No draft existing	Medium	Definite – Solution needed to requirements in draft-niemi-simple-event-throttle-reqs	Critical – At least some solution needed.	Defines presence requirements for throttling notifications	Inefficient presence service	CN1	Rel 6	SIMPLE	Not started	No date	No date
54	External object insertion to PIDF	http://www.ietf.org/internet-drafts/draft-lonnfors-simple-binpidf-01.txt	Medium	Possible	Desirable	Ability to insert objects to presence data	Presence data ascii only	CN1	REL 6	SIMPLE	In progress	No date	No date
55	Solution for private messages in a messaging session conference	Not available	High	Possible	Desirable	Ability to send private msgs in conference	Can't send private messages within conference	CN1	REL 6	SIMPLE	Not started	No date	No date
56	An Extension to SIP for Request History Information	http://www.ietf.org/internet-drafts/draft-ietf-sipping-history-info-00.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	No date	No date
57	Caller Preferences and Callee Capabilities for SIP	http://www.ietf.org/internet-drafts/draft-ietf-sip-callerprefs-09.txt	Low	Definite	Critical	Conferencing and multiple terminals	Cannot indicate conferencing preferences and multiple terminals	CN1	Rel 6	SIP	In progress	No date	No Date
58	SIP Extension to Assure Congestion Safety	http://www.ietf.org/internet-drafts/draft-ietf-sip-congestsafe-01.txt	Low	Definite	Desirable	Avoid SIP congestion with UDP	Poor service quality	CN1	Rel 6	SIP	In progress	No date	No date
59	A Mechanism for Content Indirection in SIP Messages	http://www.ietf.org/internet-drafts/draft-ietf-sip-content-indirect-mech-03.txt	Low	Possible – One solution to requirements in draft-ietf-sipping-content-indirect	Desirable – At least some solution needed.	Content Indirection Mechanism	All content must be carried inline	CN1	Rel 6	SIP	WGLC Completed	No date	No date

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60	The SIP "Join" Header	http://www.ietf.org/internet-drafts/draft-ietf-sip-join-02.txt	Low	Possible	Nice to Have	Call Monitoring, etc.	These features not easily available	CN1	Rel 6	SIP	In progress	No date	No Date
61	The SIP Referred-By Mechanism	http://www.ietf.org/internet-drafts/draft-ietf-sip-referredby-03.txt	Low	Possible	Nice to Have	Call Transfer	Less efficient call transfers	CN1	Rel 6	SIP	WGLC Completed	No date	No Date
62	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
63	Binding Generic URIs to SIP URIs	No existing draft (http://www.ietf.org/internet-drafts/draft-schulzrinne-sip-bind-00.txt is expired)	High	Definite	Desirable to have a solution	Conferencing	Cannot bind generic URIs to SIP URIs	CN1	Rel 6	SIP	In progress	No date	No Date
64	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
65	Transcoding Services Invocation in the Session Initiation Protocol Using Third Party Call Control	http://www.ietf.org/internet-drafts/draft-camarillo-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
66	The Session Initiation Protocol Conference Bridge Transcoding Model	http://www.ietf.org/internet-drafts/draft-camarillo-sipping-transc-b2bua-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
67	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

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68	Supporting Intermediary Session Policies in SIP	No existing draft (http://www.ietf.org/internet-drafts/draft-rosenberg-sipping-session-policy-00.txt is expired).	Low	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
69	Early Media and Ringback Tone Generation in SIP	http://www.ietf.org/internet-drafts/draft-camarillo-sipping-early-media-02.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
70	Conferencing Media Policy Requirements	http://www.ietf.org/internet-drafts/draft-even-sipping-media-policy-requirements-00.txt	Low	Possible (requirements under discussion).	Desirable - (needs stability, but not necessarily RFC status)	Defines reqs for media distribution policy for conferencing	Insufficient conferencing service	CN1	Rel 6	SIPPING	RFC not needed	No date	No date
71	SIP-AAA Requirements	http://www.ietf.org/internet-drafts/draft-ietf-sipping-aaa-req-03.txt	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	AD Evaluation	No date	No date
72	Requirements for Connection Reuse in SIP	http://www.ietf.org/internet-drafts/draft-ietf-sipping-connect-reuse-reqs-00.txt	Low	Possible (requirements are needed, but contents under discussion).	Nice to Have - (needs stability, but not necessarily RFC status)	Reuse connections	IMS less efficient	CN1	Rel 6	SIPPING	RFC not needed	No date	No date
73	Requirements for Content Indirection in SIP	http://www.ietf.org/internet-drafts/draft-ietf-sipping-content-indirect-03.txt	Low	Possible (requirements are needed, but contents under discussion).	Desirable - (needs stability, but not necessarily RFC status)	Indirectly specify message content	Inefficient IMS Messaging Service	CN1	Rel 6	SIPPING	RFC not needed	No date	No date
74	SIP Generic Request History Capability - Requirements	http://www.ietf.org/internet-drafts/draft-ietf-sipping-req-history-03.txt	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
75	A Framework for Conferencing with SIP	http://www.ietf.org/internet-drafts/draft-ietf-sipping-conferencing-framework-00.txt	Low	Definite	Critical	Conferencing	Conferencing Service not Available	SA2 CN1	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
76	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
77	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
78	Use of SIP and SOAP for Conference Floor Control	http://www.ietf.org/internet-drafts/draft-wu-sipping-floor-control-04.txt	Medium	Possible	Desirable	Conferencing	No floor control	CN1	Rel 6	SIPPING	In progress	No date	No date
79	Solution for SIP-based Emergency Calls	No draft existing	High	Definite – Solution needed 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	Not started	No date	No date
80	Analysis of Ipv6 Transition in 3GPP Networks	http://www.ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-analysis-05.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	In Progress as WG item	No date	No date
81	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	No date	No date
82	IPv6-IPv4 Translators in 3GPP Networks	http://www.ietf.org/internet-drafts/draft-ietf-v6ops-3gpp-translator-00.txt	Low	Possible	One possible mechanism for IPv4/IPv6 interworking	Describes SIP translation mechanisms for IPv4/IPv6 interworking	Ad hoc translation mechanisms evolve	SA2	Rel 6	V6OPS	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
83	SIP Event Package for Conference State	http://www.ietf.org/internet-drafts/draft-ietf-xcon-conference-package-00.txt (does not exist yet)	Low	Definite	Critical	Conferencing & IMS Messaging	Insufficient Conferencing Service	CN1	Rel 6	XCON	In progress	No date	No date
84	SIP Call Control – Conferencing for User Agents	http://www.ietf.org/internet-drafts/draft-ietf-sipping-cc-conferencing-01.txt	Low	Definite	Critical	Conferencing	Conferencing Service not Available	CN1	Rel 6	XCON	In progress	No date	No date
85	Requirements for Conference Policy Data	http://www.ietf.org/internet-drafts/draft-koskelainen-sipping-conf-policy-req-00.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
86	High Level Requirements for Tightly Coupled SIP Conferencing	http://www.ietf.org/internet-drafts/draft-levin-sipping-conferencing-requirements-03.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
87	Media Policy Manipulation in the Conference Policy Control Protocol	http://www.ietf.org/internet-drafts/draft-mahy-xcon-media-policy-control-00.txt	Low	Possible – One solution to requirements in draft-even-sipping-media-policy-requirements	Desirable – At least some solution needed.	Media Policy Manipulation for conferencing	Media distribution cannot be manipulated	CN1	Rel 6	XCON	In progress	No date	No date

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[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 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 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 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-sipfrag, 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-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, conferencing, 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 NI-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-sippingtransc-framework, camarillo-sippingtransc-3pcc, camarillo-sippingtransc-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