
Source: MCC
Title: Proposal for cleaning-up the IMS feature
Document for: Approval
Agenda Item:

During the last TSG SA meeting in Stockholm, it was recognised that the version of the Work Plan presented there contained unrealistic completion dates for some of the Items of the Feature "Provisioning of IP-based multimedia services" (also known as MS).

An action was then given to the WG chairmen assisted by MCC to obtain more up-to-date information from the WGs in order to predict more reliably the completion date for this feature. It was recognised that not all work tasks within this feature will be completed at the same time, and the additional action was given to identify a set of building blocks which could form the basis of a commercially deployable system.

This document contains the result of this action and was achieved by the following steps:

- A first proposal was sent by A. Sultan on the Leaders e-mail list on July, 27th, asking for comments
- Comments were received and a second version (dated August, 16th) was then provided and discussed at some WGs
- A third version including the comments of the WGs (in particular, S2 and N1), dated September 6th, was then sent again to the Leaders e-mail list (copy SA2)
- A conference call held on Monday 10th of September to review the third version resulted in a new version (dated September 10th).
- Finally, 2 items were corrected (namely: line 44 on completion date for Access security corrected from "March" to "March/June?" and re-introduction of Unique ID 1296 "N1 impact on interworking").

As a summary of the proposal, we can note that:

- Most of the Stage 3 is now targeted to be completed by March 2002
- There are some uncertainties about Security: SA3 is more likely to finish its work by June 2002 although it may still be possible to complete it by March.

Concerning the identification of the minimum functionality for IMS, this is reflected in the column "Splitable". However, it is proposed to ignore this field in this contribution and consider it in a separate contribution.

The TSG plenaries are requested to confirm the content of the attached table (ignoring the field "splitable") for final inclusion in the next version of Work Plan. Note that the IMS feature in the Work Plan will not be updated until the proposal contained in this document is confirmed.

Proposed revisions to the IMS feature

line #ID	Uni_ID	Task Name	Acronym	Level	Rel	Splitable	Resource	Approval	Start	Finish	% Compl	Hyperlink	last_modif	Justification
14	1273	Provisioning of IP-based multimedia services	IMS	1	Rel5	No	WG SA1	TSG	21-Feb-2000	21-Oct-2002	23%	SP-000216	8-Jun-2001	The end date is calculated by MS Project (corresponds to completion of last WT)
22	1274	Call control and roaming to support IMS in UMTS	IMS-CCR	2		No	WG SA2	TSG	21-Feb-2000	19-Feb-2002	23%	SP-010339	17-Nov-2000	Same as above
33	1633	Stage 1	IMS-CCR	3		No	WG SA1		21-Feb-2000	15-Dec-2000	100%		30-Mar-2001	
44	1514	Stage 2 (Architecture and Main flows)	IMS-CCR	3		No	WG SA2	TSG	14-Apr-2000	23-Mar-2001	100%	SP-000289	8-Feb-2001	
55	1277	FS on Impacts on HSS	IMS-CCR	3		No	WG CN4		14-Apr-2000	15-Dec-2000	100%		13-Dec-2000	No more interest to have this FS reflected here
66	2233	SIP Call Control protocol for the IMS	IMS-CCR	3		No	WG CN1	TSG	2-Oct-2000	JuneMar 200214-Dec-2004	15%	NP-010143	30-May-2001	
77	1998	IMS signalling flows (TS 24.288)	IMS-CCR	4		No	WG CN1	TSG	2-Oct-2000	12-Dec-2001JuneMar 2002Dec 2001	4065%		8-Feb-2001	
88	1278	IMS stage 3	IMS-CCR	4		No	WG CN1	TSG	2-Oct-2000	12-Dec-2001JuneMar 2002	40%		8-Feb-2001	
99	2255	IMS Session Handling; stage 2 (TS 23.218)	IMS-CCR	4		No	WG CN1	TSG	2-Oct-2000	12-Dec-2001Mar 2002	38%		1-Apr-2000	NA
4109	2521	IETF: draft-ietf-sip-rtc2543bis-02 (Session Initiation Protocol)		4		No	WG CN1		24-Nov-2000	Mar 200214-Dec-2004?	0%		6-Sep-2001	NA
4114	2522	IETF: draft-sip-manyfolks-resource-04 (Without COMET)(Integration of resource management and SIP)		4		No	WG CN1		24-Nov-2000	Mar 200215-Nov-2004?	0%		6-Sep-2001	NA
4122	2523	IETF: draft-ietf-sip-100rel-02 (Reliability of Provisional Response in SIP)		4		No	WG CN1		24-Nov-2000	Mar 200215-Nov-2004?	0%		6-Sep-2001	NA
4133	2524	IETF: draft-ietf-sip-privacy-04 (SIP extensions for caller identity and privacy)		4		No	WG CN1		24-Nov-2000	Mar 200212-Dec-2004?	0%		6-Sep-2001	NA
4144	2525	IETF: draft-ietf-sip-call-auth-04 (SIP extensions for media authorization)		4		No	WG CN1		24-Nov-2000	Mar 200212-Dec-2004?	0%		6-Sep-2001	NA
4155	25262526	IETF: draft-roach-sip-subscribe-notify-03 (Event Notification in SIP) IETF: draft-ietf-sip-events (add explanation)		4		No	WG CN1		24-Nov-2000	12-Dec-2004	0%		NA	
16		IETF: draft-ietf-sip-refer (add explanation)		4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
17		IETF: draft-ietf-sip-dhep (add explanation)		4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
18		IETF: draft-biggs-sip-replaces (add explanation)		4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
19		IETF: draft-ietf-avt-rtp-amr (add explanation)		4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
20		IETF: draft-ietf-mmusic-sdp-new (add explanation)		4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
1621	1673	MLST: Stage 3 for basic calls		3		No	MLST		22-Mar-2004	22-Mar-2004	0%		15-Nov-2000	This milestone is not true and useless...
1822	1281	Multimedia Capabilities	IMS-CCR	3		No	WG CN1		4-Sep-2000	2-Aug-2001	0%		30-May-2001	All the tasks are still at "0% completed" and, as said by N1, this is covered by 1998, 1278 and 2255
1923	1282	Terminal capabilities	IMS-CCR	4		No	WG CN1		20-Nov-2000	2-Aug-2001	0%		1-Apr-2000	
2024	1806	Terminal capabilities and Interactions on running multimedia from an external terminal	IMS-CCR	4		No	WG T2		1-Jan-2001	29-Jun-2001	0%		1-Apr-2000	
2125	1805	Network capabilities	IMS-CCR	4		No	WG CN1		17-Oct-2000	29-Jun-2001	0%		1-Apr-2000	
2226	1285	Network capabilities (N4 aspects)	IMS-CCR	4		No	WG CN4		4-Sep-2000	29-Jun-2001	0%		1-Apr-2000	
2327	2529	[move to BB] UE Functionality Split	IMS-CCR	43		No	WG SA1		11-May-2001	13-Jul-2001December 2001	0%		6-Sep-2001	NA

2428	1286	mov- CSCF – HSS (Cx) applications and services (SCP)	IMS-CCR	3	No	WG SA2		14-Apr-2000	19-Feb-2002	21%		1-Apr-2000	
2529	1515	del- Stage 2 flows	IMS-CCR	4	No	WG SA2		14-Apr-2000	24-Aug-2001	83%		8-Feb-2001	
2630	2021	del- Refinement of Stage 2 flows (N4) (see note)	IMS-CCR	4	No	WG CN4		15-Nov-2000	19-Feb-2002	10%		13-Dec-2000	
2731	2023	del- Impacts from CAMEL [meaning unclear. check with n4 before to delete]	IMS-CCR	4	No	WG CN4		15-Nov-2000	27-Nov-2001	10%		13-Dec-2000	
2832	1288	Impact on Camel Stage 3	IMS-CCR	4	No	WG CN2		4-Jun-2001	28-Dec-2001	0%		5-Jun-2001	Covered by new BB proposed below
2933	1289	del- Impact on MAP	IMS-CCR	4	No	WG CN4		18-Dec-2000	4-Jan-2002	0%		1-Apr-2000	
3034	2024	del- Stage 3 protocol on Cx	IMS-CCR	4	No	WG CN4		18-Dec-2000	4-Jan-2002	0%		1-Apr-2000	
3135	1290	Addressing- Identities	IMS-CCR	3	No	WG SA2		9-Oct-2000	31-Aug-2001	51%		1-Apr-2000	
3236	1291	Architectural issues	IMS-CCR	4	No	WG SA2		9-Oct-2000	31-Aug-2001	100?? %		6-Sep-20018-Feb-2004	
3337	1292	Impact on HSS (new end date needed)	IMS-CCR	4	No	WG CN4		15-Nov-2000	29-Jun-2001	15%		13-Dec-2000	
3438	1294	del- Interworking with other multimedia protocols	IMS-CCR	3	NoYes	WG CN3		28-Aug-2000	28-Dec-2001	23%		15-Nov-2000	redundant by UID 2048
3539	1296	movdel- Impact on MM/CC/SM	IMS-CCR-IWMM	4	No	WG CN1		19-Mar-2001	21-Dec-2001	0%		30-May-2001	
3640	2047	Interworking between IMS and CS networks	IMS-CCR-IWCS	4	No	WG CN3	TSG	28-Aug-2000	28-Dec-2001	30%	NP-000465	30-May-2001	Moved below
3741	2048	mov - Interworking between IMS and IP networks	IMS-CCR-IWIP	43	No	WG CN3	WG	28-Aug-2000	28-Dec-2001	30%	NP-000466	30-May-2001	
3842	2530	Service Examples	IMS-Sex	3	NoYes	WG SA1	TSG	17-Apr-2001	21-Dec-2001	20%		NA	
3943	2531	IMS Framework Report	IMS-FrWk	3	NoYes	WG SA1	TSG	17-Apr-2001	21-Dec-2001	15%		NA	
4044	1298	Access Security for IMS	IMS-ASEC	2	No	WG SA3	TSG	4-Sep-2000	14-Mar-2002Mar 2002/ June 2002?	0%	S3-010283	12-Jun-2001	
45		SIP extensions for Integrity protection		3	No	WG CN1						6-Sep-2001	
4246	1299	Lawful interception	IMS-LI	2	No	WG SA3	TSG	4-Sep-2000	29-Mar-2001March 2002	10%	SP-000309	1-Apr-2000	
4347	1300	(copy) UTRAN evolutions for efficient support of IMS (ROHC: UID2206, Header compression: UID 1680, UEP: UID 1686), RAN improvements and evolution of the bearers on the radio interface to enable efficient IMS in UMTS	IMS-RAN	2	No?this one or the one below	TSG RAN		2-Apr-2001	March 200228-Dec-2001	0%	unknown	6-Sep-200117-Nov-2000	Work on UID1680 and 1688 not started
48		(copy) GERAN evolutions for efficient support of IMS	IMS-RAN	2	Yes this one or the one above	TSG GERAN		2-Apr-2001	March 2002	0%	unknown	6-Sep-2001	Work just starting
4494	2242	mov- Charging Management for IMS	OAM-CH/IP	2	No	WG SA5	TSG	1-Dec-2000	14-Mar-2002	35%	SP-000524	6-Jun-2001	
4505	1303	mov- (copy) Charging and OAM&P	IMS-OAM	2	No	WG SA5	TSG	25-Dec-2000	21-Dec-2001Dec 2002	20%		6-Jun-2001	
4651	1598	mov - (Copy) AMR-WB		2	NoYes	WG SA4		4-Sep-2000	29-Jun-2001	95%		20-Mar-2001	
x52	xxx	(Copy) End-to-end QoS			No	WG SA2		January 2001	December 2001March 2002				Just a copy to remind that End-to-end QoS has to be guaranteed for RT IMS. Is it interesting to introduce IMS if RT services are not supported?
53	2048	Interworking between IMS and IP networks	IMS-CCR-IWIP	2	No?	WG CN3	WG	28-Aug-2000	29-Mar-2002	30%	NP-000466	30-May-2001	
53bis	1296	Impact on MM/CC/SM	IMS-CCR-IWMM	3	No	WG CN1		19-Mar-2001	21-Dec-2001	0%		30-May-2001	

54 475 5	1305	del - Roaming between IMS and CS domain networks (roaming support within and between network types)	IMS-ONCS	2	No	WG CN4		24-Jul-2000	21-Oct-2002	46%		1-Apr-2000	covered by N3 WI NP-000465 (in UID 2047)
485 6	1457	del - Roaming requirements		3	No	WG SA1	TSG	24-Jul-2000	29-Sep-2000	100%	S1-000290	30-Mar-2001	Parent BB deleted
495 7	1306	del - Stage 2		3	No	WG SA2	TSG	15-Aug-2000	7-Sep-2001	78%	SP-000450global WI IMS (was revised)	1-Apr-2000	Parent BB deleted
505 8	1307	check - Stage 2 review		3	No	WG CN4		10-Sep-2001	22-Oct-2001	0%		1-Apr-2000	Parent BB deleted
515 9	1456	Internetwork roaming aspects		3	No	?	TSG	23-Oct-2004	21-Oct-2002	0%		1-Apr-2000	Covered by the UID 2047
60	2047	Interworking between IMS and CS networks	IMS-CCR-IWCS	2	No?	WG CN3	TSG	28-Aug-2000	28-Dec-2001	30%	NP-000465	30-May-2001	moved here (was a WT under "Interworking with other multimedia protocols")
526 1	2227	checkdel - MExE interactions		32	NoYes	WG T2		1-Jan-2001	28-Dec-2001	100%?	?	7-Jun-2001	Alain check with Kevin
536 2	2228	checkdel - MMS interactions		32	NoYes	WG T2	WG	1-Jan-2001	28-Dec-2001	0%		5-Dec-2000	Alain check with Kevin
63	1230	SIP SS and relationship to Mg, Mw and Cx	IMS-CCR	2	No	WG CN4		1-Jan-2001	28-Dec-2001	0%		1-Apr-2000	Moved here.
546 4	1310	mov - Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)	IMS-ONOSA	2	NoYes	WG CN5	TSG	14-Aug-2000	23-Mar-2004 June 2002?	0%		6-Sep-2001 16-Feb-2004	N5 has just started considering the IMS architecture
556 5	12000	mov - Support of CAMEL by the IMS	IMS-CAMEL	2	NoYes	WG CN2		14-Mar-2001	June 2002? 24-Dec-2004	0%		6-Sep-2001 16-Feb-2004	N2 has not started technical work on Camel for IMS
566 6	1732	Number portability in IMS	IMS-MNP	2	NoYes	WG CN4		1-Jan-2001	28-Dec-2001 December 2002? June 2002	0%		6-Sep-2001 14-Apr-2000	Requirements not clear
67	1598	(Copy) AMR-WB		2	Yes	WG SA4		4-Sep-2000	29-Jun-2001	95%		20-Mar-2001	
685 7	2036	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	2	No	WG SA4	TSG	26-Jul-2000	21-Dec-2001	21%	SP-000398	20-Mar-2001	
695 8	2039	Codecs		3	No	WG SA4	TSG	26-Jul-2000	21-Mar-2001	100%	SP-000398	20-Mar-2001	
705 9	2040	performance characterisation of codec		3	No	WG SA4	TSG	2-Oct-2000	21-Dec-2001	0%	SP-000398	1-Apr-2000	
72		recommendation on QoS parameters for various media types		3	No	WG SA4		2-Oct-2000	21-Dec-2001	0%		6-Sep-2001	check if done
736 0	2038	del (covered by line 19) IETF: AMR and AMR-WB on top of RTP protocols		3	No	WG SA4	TSG	2-Oct-2000	21-Dec-2001	0%	SP-000398	6-Sep-2001 14-Apr-2000	
74		SIP message compression	IMS-COMP		no	WG SA2			March 2002			6-Sep-2001	
75		Stage 2			No	WG SA2			Dec 2001			6-Sep-2001	
76		Compression signalling (link to IETF RFC needed?)			no	WG CN1			March 2002	0%		6-Sep-2001	
77		IMS Local services			yes	WG SA2			March 2002	20%		6-Sep-2001	
78		Stage 3 description of IMS interfaces		3	no	TSG CN			March 2002			6-Sep-2001	
79	1236	Cx interface (HSS to CSCF) [previous name was "CSCF - HSS (Cx) applications and services"]			No	WG CN4			March 2002			6-Sep-2001	
80		enhancements of Mc interface (IM-MGW to MGCF)			No	WG CN4			March 2002			6-Sep-2001	
81		Mw interface (CSCF to P-CSCF)			No	WG CN14			March 2002			6-Sep-2001	
82		Mm interface (CSCF to external IP multimedia network)			No?	WG CN14			March 2002			6-Sep-2001	
83		Mg interface (CSCF to MGCF - interworking with CS)			No?	WG CN4			March 2002			6-Sep-2001	
84		Mr interface (CSCF to MRF)			Yes	WG CN41				?		6-Sep-2001	

85		Dx interface (I-CSCF to SLF)			?	WG CN4			?			6-Sep-2001	
86		Go interface (GGSN to PCF)			No?	WG CN43			March 2002			6-Sep-2001	
87		ISC (IMS Service Control) interface		2	yes?	WG CN1			?			6-Sep-2001	
88	1310	Support of VHE/OSA by the IMS	IMS-ONOSA	3	Yes?	WG CN5	TSG	14-Aug-2000	?	0%		16-Feb-2001	N5 has just started considering the IMS architecture
89	12000	Support of CAMEL by the IMS	IMS-CAMEL	3	Yes?	WG CN2		14-Mar-2001 July 2001	?Mar 2002	0%		16-Feb-2001	N2 has not just started technical work on Camel for IMS
90		IMS impacts on UICC		3	No	WG T3			March 2002			6-Sep-2001	
916 4	31002	Pre-pay/real-time charging in IMS		2	NoYes	WG SA1		15-Jun-2001	15-Mar-2002	0%		6-Sep-2001 NA	
93	2242	Charging Management for IMS	OAM-CH/IP	2	No	WG SA5	TSG	1-Dec-2000	14-Mar-2002	35%	SP-000524	6-Jun-2001	
94	1303	Charging Implications of IMS architecture (copy) Charging and OAM&P	IMS-OAM	2	No	WG SA25	TSG	25-Dec-2000 Aug 2001	DecNov 20012	20%		6-Jun-2001	
956 2	1913	Start Testing		2	No	MLST		14-Dec-2001	14-Dec-2001	0%		1-Apr-2000	
966 3	1844	Conformance Test Aspects - Provisioning of IMS	IMS-TEST	2	No	WG T1		14-Dec-2001	16-May-2002	0%		1-Apr-2000	

New IMS feature (clean-up)

line #	Uni_ID	Task Name	Acronym	Level	Rel	Splitable	Resource	Approval	Start	Finish	% Compl	Hyperlink	last_modif	Justification	
1	1273	Provisioning of IP-based multimedia services	IMS		1	Rel5	No	WG SA1	TSG	21-Feb-2000		23%	SP-000216	8-Jun-2001	The end date is calculated by MS Project (corresponds to completion of last WT)
2	1274	Call control and roaming to support IMS in UMTS	IMS-CCR		2		No	WG SA2	TSG	21-Feb-2000		23%	SP-010339	17-Nov-2000	Same as above
3	1633	Stage 1	IMS-CCR		3		No	WG SA1		21-Feb-2000	15-Dec-2000	100%		30-Mar-2001	
4	1514	Stage 2 (Architecture and Main flows)	IMS-CCR		3		No	WG SA2	TSG	14-Apr-2000	23-Mar-2001	100%	SP-000289	8-Feb-2001	
6	2233	SIP Call Control protocol for the IMS	IMS-CCR		3		No	WG CN1	TSG	2-Oct-2000	Mar 2002	15%	NP-010143	30-May-2001	
7	1998	IMS signalling flows (TS 24.288)	IMS-CCR		4		No	WG CN1	TSG	2-Oct-2000	Dec 2001	65%		8-Feb-2001	
8	1278	IMS stage 3	IMS-CCR		4		No	WG CN1	TSG	2-Oct-2000	Mar 2002	40%		8-Feb-2001	
9	2255	IMS Session Handling; stage 2 (TS 23.218)	IMS-CCR		4		No	WG CN1	TSG	2-Oct-2000	Mar 2002	38%		1-Apr-2000	
10	2521	IETF: draft-ietf-sip-rtc2543bis (Session Initiation Protocol)			4		No	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	End date to be confirmed.
11	2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration of resource management and SIP)			4		No	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
12	2523	IETF: draft-ietf-sip-100rel (Reliability of Provisional Response in SIP)			4		No	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
13	2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity and privacy)			4		No	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
14	2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authorization)			4		No	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
15	2526	IETF: draft-ietf-sip-events (add explanation)					No								
16		IETF: draft-ietf-sip-refer (add explanation)			4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
17		IETF:draft-ietf-sip-dhcp (add explanation)			4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
18		IETF:draft-biggs-sip-replaces (add explanation)			4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
19		IETF:draft-ietf-avt-rtp-amr (add explanation)			4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
20		IETF:draft-ietf-mmusic-sdp-new (add explanation)			4		?	WG CN1		24-Nov-2000	Mar 2002	0%		6-Sep-2001	
27	2529	UE Functionality Split	IMS-CCR		3		Yes	WG SA1		11-May-2001	December 2001	0%		6-Sep-2001	Move to separate feature? S3 and T2 interactions missing.
35	1290	Addressing	IMS-CCR		3		No	WG SA2		9-Oct-2000	31-Aug-2001	51%		1-Apr-2000	
36	1291	Architectural issues	IMS-CCR		4		No	WG SA2		9-Oct-2000	31-Aug-2001	100%		6-Sep-2001	
37	1292	Impact on HSS (new end date needed)	IMS-CCR		4		No	WG CN4		15-Nov-2000	29-Jun-2001	15%		13-Dec-2000	
42	2530	Service Examples	IMS-Sex		3		Yes	WG SA1	TSG	17-Apr-2001	21-Dec-2001	20%		NA	
43	2531	IMS Framework Report	IMS-FrWk		3		Yes	WG SA1	TSG	17-Apr-2001	21-Dec-2001	15%		NA	
44	1298	Access Security for IMS	IMS-ASEC		2		No	WG SA3	TSG	4-Sep-2000	Mar 2002/ June 2002?	0%	S3-010283	12-Jun-2001	
45		SIP extensions for Integrity protection			3		No	WG CN1						6-Sep-2001	
46	1299	Lawful interception	IMS-LI		2		No	WG SA3	TSG	4-Sep-2000	March 2002	10%	SP-000309	1-Apr-2000	
47	1300	(copy) UTRAN evolutions for efficient support of IMS (ROHC: UID2206, Header compression: UID 1680, UEP: UID 1686),	IMS-RAN		2		this one or the one below	TSG RAN		2-Apr-2001	March 2002	0%	unknown	6-Sep-2001	Work on UID1680 and 1688 not started
48		(copy) GERAN evolutions for efficient support of IMS	IMS-RAN		2		this one or the one above	TSG GERAN		2-Apr-2001	March 2002	0%	unknown	6-Sep-2001	Work just starting
52	xxx	(Copy) End-to-end QoS					No	WG SA2		January 2001	March 2002				Just a copy to remind that End-to-end QoS has to be guaranteed for

													RT IMS. Is it interesting to introduce IMS if RT services are not supported?
53	2048	Interworking between IMS and IP networks	IMS-CCR-IWIP	2	?	WG CN3	WG	28-Aug-2000	March 2002	30%	NP-000466	30-May-2001	
53bis	1296	Impact on MM/CC/SM	IMS-CCR-IWMM	3	No	WG CN1		19-Mar-2001	21-Dec-2001	0%		30-May-2001	
60	2047	Interworking between IMS and CS networks	IMS-CCR-IWCS	2	?	WG CN3	TSG	28-Aug-2000	28-Dec-2001	30%	NP-000465	30-May-2001	moved here (was a WT under "Interworking with other multimedia protocols")
63	1280	SIP SS and relationship to Mg, Mw and Cx	IMS-CCR	2	No	WG CN4		1-Jan-2001	28-Dec-2001	0%		1-Apr-2000	Moved here.
66	1732	Number portability in IMS	IMS-MNP	2	Yes	WG CN4		1-Jan-2001	June 2002	0%		6-Sep-2001	Requirements not clear
67	1598	(Copy) AMR-WB		2	Yes	WG SA4		4-Sep-2000	29-Jun-2001	95%		20-Mar-2001	
68	2036	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	2	No	WG SA4	TSG	26-Jul-2000	21-Dec-2001	21%	SP-000398	20-Mar-2001	
69	2039	Codecs		3	No	WG SA4	TSG	26-Jul-2000	21-Mar-2001	100%	SP-000398	20-Mar-2001	
70	2040	performance characterisation of codec		3	No	WG SA4	TSG	2-Oct-2000	21-Dec-2001	0%	SP-000398	1-Apr-2000	
72		recommendation on QoS parameters for various media types		3	No	WG SA4		2-Oct-2000	21-Dec-2001	0%		6-Sep-2001	check if done
74		SIP message compression	IMS-COMP		no	WG SA2			March 2002			6-Sep-2001	
75		Stage 2			No	WG SA2			Dec 2001			6-Sep-2001	
76		Compression signalling (link to IETF RFC needed?)			no	WG CN1			March 2002	0%		6-Sep-2001	
77		IMS Local services			yes	WG SA2			March 2002	20%		6-Sep-2001	
78		Stage 3 description of IMS interfaces		3	no	TSG CN			March 2002			6-Sep-2001	
79	1286	Cx interface (HSS to CSCF) [previous name was "CSCF - HSS (Cx) applications and services"]			No	WG CN4			March 2002			6-Sep-2001	
80		enhancements of Mc interface (IM-MGW to MGCF)			No	WG CN4			March 2002			6-Sep-2001	
81		Mw interface (CSCF to P-CSCF)			No	WG CN1			March 2002			6-Sep-2001	
82		Mm interface (CSCF to external IP multimedia network)			?	WG CN1			March 2002			6-Sep-2001	
83		Mg interface (CSCF to MGCF - interworking with CS)			?	WG CN4			March 2002			6-Sep-2001	
84		Mr interface (CSCF to MRF)			Yes	WG CN1				?		6-Sep-2001	
85		Dx interface (I-CSCF to SLF)			?	WG CN4				?		6-Sep-2001	
86		Go interface (GGSN to PCF)			?	WG CN3			March 2002			6-Sep-2001	
87		ISC (IMS Service Control) interface		2	?	WG CN1				?		6-Sep-2001	
88	1310	Support of VHE/OSA by the IMS	IMS-ONOSA	3	?	WG CN5	TSG	14-Aug-2000	?	0%		16-Feb-2001	N5 has just started considering the IMS architecture
89	12000	Support of CAMEL by the IMS	IMS-CAMEL	3	?	WG CN2		July 2001	Mar 2002	0%		16-Feb-2001	N2 has just started technical work
90		IMS impacts on UICC		3	No	WG T3			March 2002			6-Sep-2001	
91	31002	Pre-pay/real-time charging in IMS		2	No	WG SA1		15-Jun-2001	15-Mar-2002	0%		6-Sep-2001	
93	2242	Charging Management for IMS	OAM-CH/IP	2	No	WG SA5	TSG	1-Dec-2000	14-Mar-2002	35%	SP-000524	6-Jun-2001	
94		Charging Implications of IMS architecture		2	No	WG SA2		Aug 2001	Nov 2001	20%		6-Jun-2001	
95	1913	Start Testing		2	No	MLST		14-Dec-2001	14-Dec-2001	0%		1-Apr-2000	

96	1844	Conformance Test Aspects - Provisioning of IMS	IMS-TEST	2	No	WG T1		14-Dec-2001	16-May-2002	0%		1-Apr-2000	
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