

IGPP TSG CN Plenary Meeting #13
Beijing, China, 19th - 21st September 2001

NP-010508

Source: MCC
Title: Proposal for cleaning-up the IMS feature
Document for: Approval
Agenda Item: 12

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 IMS).

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 | WG SA1 | TSG | 21-Feb-2000 | 24-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 | 4277 | 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 2002/24-Dec-2001 | 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-2001/JuneMar 2002/Dec 2001 | 40/65% | | 8-Feb-2001 | |
| 88 | 1278 | IMS stage 3 | IMS-CCR | | 4 | No | WG CN1 | TSG | 2-Oct-2000 | 12-Dec-2001/JuneMar 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-2001/Mar 2002 | 38% | | 1-Apr-2000/NA | |
| 410 | 2521 | IETF: draft-ietf-sip-rtc2543bis-02 (Session Initiation Protocol) | | | 4 | No | WG CN1 | | 24-Nov-2000 | Mar 2002/44-Dec-2001 | 0% | | 6-Sep-2001/NA | End date to be confirmed. |
| 411 | 2522 | IETF: draft-sip-manyfolks-resource-04 (Without COMET)(Integration of resource management and SIP) | | | 4 | No | WG CN1 | | 24-Nov-2000 | Mar 2002/45-Nov-2001 | 0% | | 6-Sep-2001/NA | |
| 412 | 2523 | IETF: draft-ietf-sip-100rel-02 (Reliability of Provisional Response in SIP) | | | 4 | No | WG CN1 | | 24-Nov-2000 | Mar 2002/46-Nov-2001 | 0% | | 6-Sep-2001/NA | |
| 413 | 2524 | IETF: draft-ietf-sip-privacy-04 (SIP extensions for caller identity and privacy) | | | 4 | No | WG CN1 | | 24-Nov-2000 | Mar 2002/47-Dec-2001 | 0% | | 6-Sep-2001/NA | |
| 414 | 2525 | IETF: draft-ietf-sip-call-auth-04 (SIP extensions for media authorization) | | | 4 | No | WG CN1 | | 24-Nov-2000 | Mar 2002/48-Dec-2001 | 0% | | 6-Sep-2001/NA | |
| 415 | 2526/2526 | 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-2001 | 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-dhcn (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 | |
| 462 | 14673 | 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... |
| 482 | 4284 | Multimedia Capabilities | IMS-CCR | | 3 | No | WG CN1 | | 4-Sep-2000 | 2-Aug-2001 | 0% | | 30-May-2004 | All the tasks are still at "0% completed" and, as said by N1, it is covered by 1998, 1278 and 22 |
| 492 | 4283 | Terminal capabilities | IMS-CCR | | 4 | No | WG CN1 | | 20-Nov-2000 | 2-Aug-2001 | 0% | | 1-Apr-2000 | |
| 202 | 4806 | Terminal capabilities and Interactions on running multimedia from an external terminal | IMS-CCR | | 4 | No | WG T2 | | 1-Jan-2004 | 20-Jun-2004 | 0% | | 1-Apr-2000 | |
| 242 | 4805 | Network capabilities | IMS-CCR | | 4 | No | WG CN1 | | 17-Oct-2000 | 20-Jun-2004 | 0% | | 1-Apr-2000 | |
| 222 | 4285 | Network capabilities (N4 aspects) | IMS-CCR | | 4 | No | WG CN4 | | 4-Sep-2000 | 20-Jun-2004 | 0% | | 1-Apr-2000 | |
| 232 | 2529 | [move to BB] UE Functionality Split | IMS-CCR | | 4 | No | WG SA1 | | 11-May-2001 | 13-Jul-2004/December 2001 | 0% | | 6-Sep-2001/NA | "0% complete" on July 26 th . Move separate feature? S3 and T2 interactions missing. |

| | | | | | | | | | | | | | |
|-------|------|---|--------------|---|--------|-----------|-----|--------------|---------------|------|-----------|-------------|---|
| 242 | 1286 | mov - CSCP - HSS (Cx) applications and services (SCP) | IMS-CCR | 3 | No | WG SA2 | | 14-Apr-2000 | 19-Feb-2002 | 21% | | 1-Apr-2000 | |
| 252 | 1515 | del- Stage 2 flows | IMS-CCR | 4 | No | WG SA2 | | 14-Apr-2000 | 24-Aug-2001 | 83% | | 8-Feb-2001 | |
| 263 | 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 | |
| 273 | 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 | |
| 283 | 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 E3 proposed below |
| 293 | 1289 | del- Impact on MAP | IMS-CCR | 4 | No | WG CN4 | | 18-Dec-2000 | 4-Jan-2002 | 0% | | 1-Apr-2000 | |
| 303 | 2024 | del- Stage 3 protocol on Cx | IMS-CCR | 4 | No | WG CN4 | | 18-Dec-2000 | 4-Jan-2002 | 0% | | 1-Apr-2000 | |
| 313 | 1290 | Addressing Identities | IMS-CCR | 3 | No | WG SA2 | | 9-Oct-2000 | 31-Aug-2001 | 51% | | 1-Apr-2000 | |
| 323 | 1291 | Architectural issues | IMS-CCR | 4 | No | WG SA2 | | 9-Oct-2000 | 31-Aug-2001 | 100% | | 6-Sep-2001 | 8-Feb-2001 |
| 333 | 1292 | Impact on HSS (new end date needed) | IMS-CCR | 4 | No | WG CN4 | | 15-Nov-2000 | 29-Jun-2001 | 15% | | 13-Dec-2000 | |
| 343 | 1294 | del- Interworking with other multimedia protocols | IMS-CCR | 3 | No/Yes | WG CN3 | | 28-Aug-2000 | 28-Dec-2001 | 23% | | 15-Nov-2000 | redundant by UID 2048 |
| 353 | 1296 | mov del- Impact on MM/CC/SM | IMS-CCR-IWMM | 4 | No | WG CN1 | | 19-Mar-2001 | 21-Dec-2001 | 0% | | 30-May-2001 | |
| 364 | 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 |
| 374 | 2048 | mov - Interworking between IMS and IP networks | IMS-CCR-IWIP | 4 | No | WG CN3 | WG | 28-Aug-2000 | 28-Dec-2001 | 30% | NP-000466 | 30-May-2001 | |
| 384 | 2530 | Service Examples | IMS-Sex | 3 | No/Yes | WG SA1 | TSG | 17-Apr-2001 | 21-Dec-2001 | 20% | | NA | |
| 394 | 2531 | IMS Framework Report | IMS-FrWk | 3 | No/Yes | WG SA1 | TSG | 17-Apr-2001 | 21-Dec-2001 | 15% | | NA | |
| 404 | 1298 | Access Security for IMS | IMS-ASEC | 2 | No | WG SA3 | TSG | 4-Sep-2000 | 14-Mar-2002 | 0% | S3-010283 | 12-Jun-2001 | |
| 45 | | SIP extensions for Integrity protection | | 3 | No | WG CN1 | | | | | | 6-Sep-2001 | |
| 424 | 1299 | Lawful interception | IMS-LI | 2 | No | WG SA3 | TSG | 4-Sep-2000 | 29-Mar-2004 | 10% | SP-000309 | 1-Apr-2000 | |
| 434 | 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 | 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 | No | TSG GERAN | | 2-Apr-2001 | March 2002 | 0% | unknown | 6-Sep-2001 | Work just starting |
| 449 | 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 | |
| 450 | 1303 | mov- (copy) Charging and OAM&P | IMS-OAM | 2 | No | WG SA5 | TSG | 25-Dec-2000 | 24-Dec-2001 | 20% | | 6-Jun-2001 | |
| 465 | 1598 | mov - (Copy) AMR-WB | | 2 | No/Yes | WG SA4 | | 4-Sep-2000 | 29-Jun-2001 | 95% | | 20-Mar-2001 | |
| 52 | xxx | (Copy) End-to-end QoS | | | No | WG SA2 | | January 2001 | December 2001 | | | | 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 | 28-Dec-2001 | 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 | 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 UID 2047 | NP-000465 (ir) |
| 485 | 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 | 1306 | del - Stage 2 | | 3 | No | WG SA2 | TSG | 15-Aug-2000 | 7-Sep-2001 | 78% | SP-000150global WI IMS (was revised) | 1-Apr-2000 | Parent BB deleted | |
| 505 | 1307 | check - Stage 2 review | | 3 | No | WG CN4 | | 10-Sep-2001 | 22-Oct-2001 | 0% | | 1-Apr-2000 | Parent BB deleted | |
| 515 | 4456 | Inter-network roaming aspects | | 3 | No | 2 | TSG | 23-Oct-2004 | 24-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 multimed protocols") | |
| 526 | 2227 | check-del - MExE interactions | | 3 | No/Yes | WG T2 | | 1-Jan-2001 | 28-Dec-2001 | 100% | 2 | 7-Jun-2001 | Alain check with Kevin | |
| 536 | 2228 | check-del - MMS interactions | | 3 | No/Yes | WG T2 | WG | 1-Jan-2001 | 28-Dec-2001 | 0% | | 5-Dec-2000 | Alain check with Kevin | |
| 63 | 1280 | SIP SS and relationship to Mq, Mw and Cx | IMS-CCR | 2 | No | WG CN4 | | 1-Jan-2001 | 28-Dec-2001 | 0% | | 1-Apr-2000 | Moved here. | |
| 546 | 1310 | mov - Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF) | IMS-ONOSA | 2 | No/Yes | WG CN5 | TSG | 14-Aug-2000 | 23-Mar-2004 June 2002? | 0% | | 6-Sep-2001 14-Feb-2004 | N5 has just started considering IMS architecture | |
| 556 | 12000 | mov - Support of CAMEL by the IMS | IMS-CAMEL | 2 | No/Yes | WG CN2 | | 14-Mar-2001 | June 2002? Dec-2004 | 0% | | 6-Sep-2001 14-Feb-2004 | N2 has not started technical work on Camel for IMS | |
| 566 | 1732 | Number portability in IMS | IMS-MNP | 2 | No/Yes | 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 | 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 | 2039 | Codecs | | 3 | No | WG SA4 | TSG | 26-Jul-2000 | 21-Mar-2001 | 100% | SP-000398 | 20-Mar-2001 | | |
| 705 | 2040 | performance characterisation of codec recommendation on QoS parameters for various media types | | 3 | No | WG SA4 | TSG | 2-Oct-2000 | 21-Dec-2001 | 0% | SP-000398 | 1-Apr-2000 | | |
| 72 | | 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 | check if done | |
| 736 | 2038 | SIP message compression | IMS-COMP | | no | WG SA2 | | | March 2002 | | | 6-Sep-2001 | | |
| 74 | | Stage 2 | | | No | WG SA2 | | | Dec 2001 | | | 6-Sep-2001 | | |
| 75 | | Compression signalling (link to IETF RFC needed?) | | | no | WG CN1 | | | March 2002 | 0% | | 6-Sep-2001 | | |
| 76 | | 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 CN14 | | | March 2002 | | | 6-Sep-2001 | | |
| 82 | | Mm interface (CSCF to external IP multimedia network) | | | No? | WG CN14 | | | March 2002 | | | 6-Sep-2001 | | |
| 83 | | Mq interface (CSCF to MGCF - interworking with CS) | | | No? | WG CN4 | | | March 2002 | | | 6-Sep-2001 | | |
| 84 | | Mr interface (CSCF to MRF) | | | Yes | WG CN4 | | | | 2 | | 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 t |
| 89 | 12000 | Support of CAMEL by the IMS | IMS-CAMEL | 3 | Yes? | WG CN2 | | 14-Mar-2001 | July 2001 | 2Mar 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 | |
| 91 | 31002 | Pre-pay/real-time charging in IMS | | 2 | No | 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 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 | |

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-rfc2543bis (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 |
|----|------|---|----------|---|----|-------|--|-------------|-------------|----|--|------------|