NP-050128

3GPP

Third Generation Partnership Project

MEETING REPORT
3GPP TSG-CN#26

Athens, Greece.
8th - 10th December, 2004

Hosted by:

EF3

CN Officials:

Chairman: Stephen Hayes, Ericsson Inc. stephen.hayes@ericsson.com

Vice-Chairman: Iain Sharp, Nortel. isharp@nortelnetworks.com

Vice-Chairman: Kunihiko Taya, NEC taya@t-modus.nec.co.uk

MCC Support: David Boswarthick, ETSI MCC. david.boswarthick@etsi.org

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CN Chairman's Executive Summary

Several Rel 6 items are still not completed. See the table later in this section for the overall completion status. For those items not completed yet, exceptions are requested until March 2005.

Some statistics on specifications and WIDs:
- 5 specifications put under change control
- 4 specifications were presented for information
- 6 WIDs were updated
- 5 New WIDs were approved

The list of specifications placed under change control and new/revised WIDs can be found in annex A of this report.

All items are either completed or scheduled for completion by March 05.

Items which are delayed until March 05:
– Flow Based Charging (Rx interface not complete)
– IMS Phase 2 (Conferencing, Messaging, IMS MO not complete)
– OSA 3 (Completion of stage 2)
– Presence (IETF Dependencies, Pk interface)
– TEI (Domain Specific Access Class Barring not complete)
– Subscriber & Equipment Trace (SA5 discussions ongoing)
– WLAN Interworking (Mechanism for manual PLMN selection)

Many of these items are dependent on work in IETF. For conferencing, it was agreed that the CN1 WG would use completion of WGLC (for conference package, cpcp, bfcp) by the start of the CN1#37 meeting as a criteria for inclusion. This criteria was not extended to other areas.

The mechanism for WLAN manual PLMN selection needs to be revisited since GSMA IREG does not like the alternative NAI solution. Peter Schmidt will coordinate discussions (initially on the CN4 list) to arrive at a rapid solution. A LS on this issue was also sent. (NP-040622).

A WID for protocol work on CSI was presented but not approved since it was not seen by the WG yet. Since there was general support for the work, it was agreed to proceed with the work in the WGs with the expectation that the WG agreed WID will be available at CN#27.

CN endorsed a TISPAN/3GPP workshop in the March timeframe to further work on IMS for fixed broadband. An LS on this is available in NP-040619.

In conjunction with TSG-T, the CT ToR was agreed (NP-040626). This needs approval by the PCG. A transition plan for TSG-CN+TSG-T -> TSG-CT was agreed which covered various logistical issues (NP-040627). An initial meeting of TSG-CT will occur on the Friday afternoon of the TSG#27 meetings. Elections for CT TSG chair and vice-chairs will be held in March.

The overall CN Rel 6 status as presented to SA is shown below:

Functionality complete as of Dec 2004	Functionality expected to complete by March 2005	Functionality expected to complete after March 2005

Since CN#25, CN has completed 12 sub items (rows in this table).

Work Item	Functionality	WG	% Done	Completion Date	Open Items
Camel 4 Prepay Support for SCUDIF	Camel 4 Prepay Support for SCUDIF	CN4	100%	2004-03	None
Enhanced Dialled Services	Enhanced Dialled Services	CN4	100%	2004-03	None

Work Item	Functionality	WG	% Done	Completion Date	Open Items
Flow Based Charging	Gx interface	CN3	100%	2004-12	None
	Rx interface	CN3	65%	2005-03	Protocol development for Rx based on reuse of Gq
Gq Dynamic Policy Control	End-to-end QoS, Gq interface	CN3	100%	2004-12	None
GUP Stage 3	GUP	CN4	50%	2005-03	Security details, GUP profile schema structure, SOAP bindings, clarification of components, GCL, metadata, DST usage, etc. Need WSDL definitions and XML schema definitions
IMS Phase 2 - Stage 3	IETF Alignment	CN1	100%	2004-09	None
	Cx, Dx, and Sh interfaces	CN4	100%	2004-09	None
	Extensions to SIP	CN1	99%	2004-09	Need to register orig-parameter with IANA
	Conferencing	CN1	90%	2005-03	Conference package (IETF), CPCP (IETF), Floor control (IETF). CPCP and Floor control may be removed if WGLC not completed by next CN1 meeting.
	Group Management	CN1	100%	2004-12	Treated as part of the other items using GM
	Messaging	CN1	85%	2005-03	Listserv Requirement, Iscomposing Requirement, MSRP (IETF)
	IMS Device Management	CN1	79%	2005-03	None. New spec so needs time for review.
Interop & Commonality between IMSs using different IP-connectivity networks - Stage 3	IMS interoperability	CN1	100%	2003-12	None
Interworking IMS<->CS	Interworking between the IMS and CS Networks	CN3	100%	2004-09	None
Interworking IMS<->IP	Interworking towards IPv4 (SIP aspects)	CN1	100%	2004-09	None
	Interworking towards non-IMS SIP	CN1	100%	2004-09	None
	Refinement of IPv4/IPv6 interworking	CN3	100%	2004-12	None
MBMS Stage 3	MBMS	CN4	100%	2004-12	None
	MBMS	CN1	100%	2004-12	None
	MBMS Gmb interface	CN3	100%	2004-12	None
MGCF- IM MGW I/F (Mn)	Mn Interface	CN3	100%	2004-09	None
	Mn Interface	CN4	100%	2004-12	None
Network Sharing	Network Sharing	CN1	100%	2004-12	None
OSA 3	OSA improvements for Rel 6	CN5	98%	2005-03	Completion of 23.198 (OSA stage 2)
Presence Stage 3	Presence	CN1	95%	2005-03	CN Part completed. Many outstanding IETF dependencies
	Pk interface	CN3	0%	2005-03	Will be removed if not complete by 2005-03.
Support of Subscriber Certificates (GAA)	Subscriber Certificates	CN4	100%	2004-12	Some error handling cleanup may be required
	Subscriber Certificates	CN1	99%	2004-12	None. Some alignment with other specs may still be required.
TEI-6	Radius at GGSN	CN3	100%	2004-12	None
	Domain specific access class barring	CN1	2%	2005-03	Nothing done yet. Awaiting SA2 requirements clarifications MM procedures for ACBOP, GMM procedures for ACBOP
	TCAP Handshake to prevent SMS fraud	CN4	100%	2004-12	None. Need guidance from SA3 on need for further work on MapSec
Trace Management	Subscriber and equipment trace	CN4	50%	2004-12	Requirements questions sent to SA5
WLAN Interworking - Stage 3	WLAN scenario 2	CN1	99%	2004-12	Method for manual PLMN selection
	Wi description	CN3	100%	2004-09	None
	WLAN CN interfaces	CN4	99%	2004-12	IETF dependencies, Method for manual PLMN selection. Changes may be needed depending on responses to outstanding questions outstanding to SA2/SA3/SA 5
	WLAN scenario 3	CN1	95%	2005-03	Removal of PDG redirection and subsequent tunnel setup procedures

1   Opening of the meeting

Paul Simmons of Nortel welcomed the delegates to Athens on behalf of the hosts.
The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Iain Sharp (Vice-Chair, Nortel), Mr. Kunihiko Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

2   Approval of the agenda

NP-040450   **Draft agenda for CN #26 meeting, MCC. APPROVED.**

NP-040459   **Allocation of documents to agenda items (at tdoc deadline), CN vice-chairman. NOTED.**

NP-040451   **Allocation of documents to agenda items (start of day 1), CN vice-chairman. NOTED.**

NP-040452   **Allocation of documents to agenda items (end of day 1), CN vice-chairman. NOTED.**

NP-040453   **Allocation of documents to agenda items (near end of day 2), CN vice-chairman. NOTED.**

NP-040623   **Allocation of documents to agenda items (end of day 2), CN vice-chairman. NOTED.**

NP-040454   **Allocation of documents to agenda items (end of day 3), CN vice-chairman. NOTED.**

3   IPR declarations

Reminder for IPR declaration

The chairman made the following call for IPRs, and asked ETSI members to check the latest version of ETSI's policy available on the web server:

> The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.
>
> The members take note that they are hereby invited:
> - to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
> - to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

4   Meeting Reports

4.1   Report from CN#25 Meeting

NP-040455   **Draft report from CN#25 meeting, MCC.**
Status: **APPROVED.**

4.2   Reports from other groups

No Input to this agenda item.

4.3   IETF coordination report

NP-040576   **IETF coordination report, CN Chair.**
Status: **NOTED.**

5 Incoming liaisons

5.1 LS Moved to other Sections

NP-040460 **LS on Support of eCall on UUS type 1 Supplementary Service [N1-041949], CN1.**
Moved to 6.1.1

NP-040461 **LS on EHPLMN (Equivalent HPLMN) [N1-041994], CN1.**
Moved to 6.1.1

NP-040462 **Reply LS on Security aspects of early IMS systems [N1-042078], CN1.**
Moved to 9.1

NP-040463 **Reply LS on Definition of RAT [N1-042097], CN1.** **Moved to 6.1.1**

NP-040464 **LS on conferencing in release 6 [N1-042098], CN1.** **Moved to 6.1.1**

NP-040465 **LS on a 3GPP IMS management object [N1-042100], CN1.** **Moved to 9.1**

NP-040466 **OSA Stage 2 - A cross-releases Overview [N5-040779], CN5.** **Moved to 6.5.2**

NP-040467 **Reply LS on transferring the OSA stage 2 (23.127) from SA2 to CN5 [S2-043410], SA2.**
Moved to 6.5.2

NP-040468 **Re. LS to SSG on Review of Q.TRMMR [SP-040677], SA.** **Moved to 6.6**

NP-040469 **Reply to LS on definition of RAT [T3-040740], T2.** **Moved to 6.1.1**

NP-040470 **LS on CN3 impacts on Early IMS Security mechanisms [N3-040884], CN3.**
Moved to 9.1

NP-040471 **LS on GUP WID Update [N4-041620], CN4.** **Moved to 9.6**

NP-040472 **Reservation of two new sub domains under ".3gppnetwork.org" [N4-041687], CN4.**
Moved to 6.4.1

NP-040473 **LS on definition of RAT [S1-040940], SA1.** **Moved to 6.1.1**

NP-040474 **LS on proposed work split 3GPP/3GPP2/OMA on Presence [S2-043416], SA2.**
Moved to 9.2

NP-040478 **Request for further comments on the draft Technical Report Q.TRMMR on Mobility**
Management Requirements. ITU-GS-19. **Moved to 6.6**

NP-040577 **Draft LS to ITU-T on the Rel 6 transposition, CN Chair.** **Moved to 6.6**

5.2 LS Treated under the main Agenda Item

NP-040475 **LS on evolution of network architecture [S2-043891], SA2.**
Content: During the SA2 #43 meeting, Tdoc S2-043650 (attached) brought to the attention of SA2 the different network evolution activities that are taking part in different groups in 3GPP. In particular, it identifies the work on All-IP Network (AIPN) done in SA1 and the UTRAN evolution proposals shown in the recent RAN Evolution Workshop held in Toronto (some of which had architectural implications well beyond UTRAN).
Also, during both the SA2 #42 and #43 meetings, SA2 have held extensive discussion on a WID relating to WLAN scenario 4/5 work. Currently there is no agreement within SA2 as to whether or not this work should focus only on WLAN-3GPP interworking, or, whether it can focus on interworking to any other generic RAT. SA2 would appreciate guidance from SA on this matter.

SA2 strongly encourages other working groups to continue the work in this area. However, SA2 believes that there is a need to coordinate the architectural evolution of CN and RAN(s) in order to ensure that they follow a complementary path. As the leading working group on overall UMTS architecture, SA2 would like to inform RAN and SA that we plan to take this coordination role as well as overall responsibility for network evolution. SA2 expects close coordination with RAN and SA groups working on UTRAN or CN evolution and would like to be kept informed on the progress of this work in RAN and other SA groups.

Status: **NOTED.**

NP-040476 **Submission of a high-level architecture and definition for Next Generation Network [NGN_Framework_Part1_3GPPSA_0501], ATIS.**

Content: The Alliance for Telecommunications Industry Solutions (ATIS) submits the attached document for review and input into 3GPP's work-programs relevant to Next Generation Networks; namely the 3GPP Technical Specifications Groups (TSG) Core Network (CN) and Services & System Aspects (SA) Working Group #1 (Services) and Working Group #2 (Architecture). The attached, referred to as the ATIS NGN Framework, represents the North American market's requirements for NGN as approved by the ATIS Board of Directors and ATIS' 270+ member companies

Discussion: Mainly aimed at SA and their working groups in the definition of Stage1 and Stage2.
BT voiced a concern about different NGN requirements coming from several sources (ATIS / TISPAN….). It was noted that this document is also being done in cooperation from TISPAN.
Another LS is expected this week, requesting another 3GPP_TISPAN workshop. It is planned that this will be hosted by ATIS in Feb / March 2005.

Status: **NOTED.**

NP-040477 **Definitions, architecture for NGN [ATIS_NGN_Part_1_Issue1], ATIS.**
Content: Contains the ATIS framework document.
Status: **NOTED.**

6 Reports from TSG-CN working groups (& CN Ad Hocs)

6.1 Reporting from TSG-CN WG1

6.1.1 Status report from CN1

NP-040594 **Status Report for TSG CN WG1, CN1 Chair.**
Discussion: RIM commented that in TS24.247 the messaging flows are out of date and need to be updated.
IS COMPOSING document is in the IETF editors queue, however no contributions have yet been received in CN1 to address this issue.
It was agreed to add an editor's note to the annex 24.247 NP-040500 indicating that CN1 need to align the flows in order to be align them with the IETF.
24.247 is not yet frozen so such changes can still be made to it at the next CN1 meetings.

Lucent raised a concern on SA1 and OMA mechanisms for defining group management.
No work has been done in 3GPP on LISTSERV as there is some dependency on IETF conferencing.
LS out to SA1 [NP-040598] on group management asking if they wish to retain the requirements

An order of implementing CRs has been agreed within CN1. MCC are aware of the procedure of implementation. Notes may be added to the meeting report when the CR packs are handled.

Status: **NOTED.**

NP-040598 **LS on group management to SA1, CN.**
Discussion: Some editorial modifications required.
Status: **REVISED to NP-040620.**

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NP-040620 **LS on group management to SA1, CN. APPROVED.**

NP-040490   **CN1#36 Draft Meeting report, MCC. NOTED.**

NP-040491   **LSs sent from CN1 since CN#25, CN1. NOTED.**

NP-040460   **LS on Support of eCall on UUS type 1 Supplementary Service [N1-041949], CN1.**
Content: CN1 answer an LS on the requirements for the support of pan-European in-vehicle eCall (Automatic & Manual) from ETSI OCG EMTEL
CN1 understands that there is a need to introduce the necessary requirements, for this functionality, into the Stage 1 specifications and notes that a copy of the ETSI OCG EMTEL liaison has already been sent to TSG SA WG1.
Discussion: Expect to see inputs to SA1 and CN1.
Status: **NOTED.**

NP-040461   **LS on EHPLMN (Equivalent HPLMN) [N1-041994], CN1.**
Content: CN1 has agreed that the introduction of a new file, to cater for the EHPLMN requirement, would be the safer option.
Status: **NOTED.**

NP-040473   **LS on definition of RAT [S1-040940], SA1.**
Content: SA1 is trying to find a definition of Radio Access Technology (RAT) that is consistent across 3GPP. This is done in a CR to TR 21.905. Note this CR is going to SA#26 meeting for approval.
3GPP RAT: UTRAN, GERAN
Non-3GPP RAT: Radio Access Technologies except UTRAN and GERAN (e.g. IEEE 802.11b,DECT).
Radio Access Technology: Radio technology with which it is possible to access 3GPP core networks via a 3GPP defined interface.
Status: **NOTED.**

NP-040469   **Reply to LS on definition of RAT [T3-040740], T3.**
Content: Reply and comments to the SA1 definitions relating to RAT.
Status: **NOTED.**

NP-040463   **Reply LS on Definition of RAT [N1-042097], CN1.**
Content: Reply and comments to the Sa1 definitions relating to RAT.
CN1 would like to bring to the attention of SA1 and other working groups that CN1 uses its own definition of 'Access technology' specified by TS 23.122.
Additionally, the definitions of '3GPP RAT' and 'Non-3GPP RAT' are not relevant for CN1, since they are not used by CN1 specifications. CN1 considers the new definition of 'Radio Access Technology' vague because of "3GPP defined interface". The use of this text makes unclear which radio technologies are included, overall in case of WLAN technologies such as 802.11. CN1 understanding is that WLAN technologies are not considered radio access technologies by 3GPP for Rel-6. However, 3GPP specifies signalling on interfaces which use WLAN technologies as radio access technologies. This would be in contradiction with the new definition of the 'Radio Access Technology' term.
Finally, CN1 would like to indicate that it was not seen feasible to amend the already existing CN1 specifications to start using the new definitions.
Discussion: Need to eliminate the possible confusion in using Radio Access Technology and Access Technology as used in CN1 (and SA1).
CN Chair will raise and objection to the SA1 CR when it is presented in SA Plenary
Status: **NOTED.**

NP-040464   **LS on conferencing in release 6 [N1-042098], CN1.**
Content: CN1 kindly asks TSG CN to consider whether further work on TS 24.147 should be continued in release 6 with CN1s current scope, or if the scope of IMS conferencing in release 6 should be reduced. Continue with the current scope of conferencing in release 6 will delay this part of the work item IMS2.
If it is decided to reduce the content of IMS conferencing in release 6, CN1 would like to get guidance on the subject.
Further, if the scope of conferencing in release 6 is reduced, CN1 will perform the relevant changes to 24.147 in CN1 #37. A reduced scope of IMS conferencing may have an impact on TS 24.247

(IMS messaging) as well, since TS 24.247 reference TS 24.147 for session based messaging conferences.

If the scope of conferencing in release 6 is reduced, CN1 kindly asks CN plenary to give further guidance how to handle the dropped functionality in release 7.

Discussion: **Conference event package** is not too far from becoming stable (past WG last call). *CN considered this should be retained in Rel-6. (4:0)*

Floor control (BFCP) is not too far from becoming stable (ready to go into WG last call). *CN considered this should NOT be retained in Rel-6. (1:2)*

CPCP is not yet stable and cannot be seen as stable in the near future. *CN considered this should NOT be retained in Rel-6. (2:3)*

CN Plenary decided that if these conferencing drafts have completed WG last call by the start of the Feb 2005 CN1 meeting then they will be included in 3GPP Rel-6.
Lucent asked for the criteria to be applied to other areas such as messaging, PoC and PRESENCE. This was not supported by the meeting.
There is a need to communicate 3GPPs conferencing priorities to the IETF so that they can concentrate on those areas.

Status: **NOTED.**

6.1.2 Questions for advice and decisions from CN1

No Input to this agenda item.

6.2 VOID.

6.3 Reporting from TSG-CN WG3

6.3.1 Status report from CN3

NP-040589 **CN3 Status Report to CN Plenary, CN3 Chair.**
Discussion: CN3 asked for guidance from CN Plenary for the *Pk interface*. Very little work is required to achieve this but not contributions have been received in CN3. Agreed to align the completion of the Pk interface with the estimated completion of PRESENCE (March 2005).
Also, CN3 is also granted an exception to complete the following by March 2005.
- *Pk interface*.
- *Network initiated service change for SCUDIF*.
- *Rx interface*
Status: **NOTED.**

NP-040552 **CN3#33bis Meeting Report, MCC. NOTED.**

NP-040553 **CN3#34 Meeting Report, MCC. NOTED.**

NP-040554 **All LSs sent from CN3 since TSG CN#25 Meeting, MCC. NOTED.**

6.3.2 Questions for advice and decisions from CN3

No Input to this agenda item.

6.4 Reporting from TSG-CN WG4

6.4.1 Status report from CN4

NP-040517 **Status report from CN4 to TSG-CN Plenary Meeting #26, CN4 Chairman.**
Discussion: CN4 is granted an exception to complete the following by March 2005.
- *GUP*
- *TRACE*
CN Plenary agreed (again) that Mp interface can be moved out of Rel-6

Status: **NOTED.**

NP-040518   **CN4#25 Meeting Report, MCC.** **NOTED.**

NP-040519   **All LSs sent from CN4 since TSG CN#25 Meeting, MCC.** **NOTED.**

NP-040472   **Reservation of two new sub domains under ".3gppnetwork.org" [N4-041687], CN4.**
Content: CN4 kindly asks GSMA IREG PACKET to:
1)   reserve the proposed sub domains of ".3gppnetwork.org" as defined above;
2)   never service DNS requests to the former proposed domain name on the GRX so that all DNS look ups to it will fail;
3)   address their response LS to this LS directly to 3GPP TSG CN plenary (CN) – but copying CN4 and CN1 – because there are no more CN4 meetings (or any other CN WG meetings) before the next CN where it is expected that the 3GPP Rel 6 specification set will be frozen.

Discussion: Response LS in NP-040597.
Status: **NOTED.**

NP-040597   **Reservation of two new sub domains under ".3gppnetwork.org" [N4-041687], CN4.**
Content: CN4 asked GSMA IREG Packet to:
1) reserve certain proposed sub domains of ".3gppnetwork.org" in connection with:
i) discovering the address of the Boot Strapping Function (BSF) in the PLMN. Specifically reserving the domain name: bsf.mnc<MNC>.mcc<MCC>.3gppnetwork.org
ii) mechanisms being defined to allow the UE to perform a WLAN manual PLMN selection. Specifically reserving the domain name: nonrouteable.3gppnetwork.org

2) never service DNS requests to the latter proposed domain name on the GRX so that all DNS look ups to it will fail;
GSMA IREG Packet approves item i) reserving the domain name:
bsf.mnc<MNC>.mcc<MCC>.3gppnetwork.org
IREG Packet has concerns with item ii) reserving the domain name: nonrouteable.3gppnetwork.org
IREG Packet is concerned that this practice is not using DNS in the way it was designed to be used. Specifically, DNS is intended to lookup a requested domain and return one of a number of error codes if the requested domain could not be found. It was never intended to deliberately fail to look up a particular domain. Different DNS implementations may return different failure codes and have an unintended impact, particularly since the system needs to distinguish between an "intended" failure (domain not found) and an "unintended" failure (DNS encountered a problem).
It is also unknown as to the potential increase in DNS traffic that will occur on the GRX, and, more importantly, the increased load on the GRX's Root DNS servers with having to constantly deal with requests to a domain that does not exist (since the Root DNS server cannot set the cache time of responses to a domain that does not exist).
Therefore GSMA IREG Packet asks 3GPP CN to carry out a thorough investigation of the various DNS failure scenarios and traffic load increases, and also to investigate alternative ways of implementing this functionality.

Discussion: CN4 requested two sub domains from IREG, and only got one. There are CRs for manual PLMN selection presented to this meeting for approval. These will need to be back to CN4 for further work. There are also some CN1 CRs that depend on the CN4 changes.
Status: **NOTED.**

6.4.2 Questions for advice and decisions from CN4

No Input to this agenda item.

6.5 Reporting from TSG-CN WG5

6.5.1 Status report from CN5

NP-040480   **Chair's report from CN5 (slide presentation), CN5 Chair.**
Discussion: TTC had some concerns on the code being made available in a second phase of CR implementation. It was clarified that this will be made visible by a change in the last digit of the version of the specification. i.e. 6.x.**1**. The intention is still to provide all of the attachments to all of

the documents as soon as possible. Also CN5 chair clarified that this is a temporary situation that will be resolved once the tools have been transferred to MCC.

CN5 have planned elections in January 2005. However the 3GPP leadership has agreed to postpone the WG elections until after the TSG elections in March. This is discussed later in the meeting.

CN5 is granted an exception to complete the following by March 2005.

- OSA for Rel-6

Status: **NOTED.**

NP-040481 **CN5#29 Meeting Report, CN5 Chair. NOTED.**

NP-040482 **All LSs sent from CN5 since TSG CN#25 Meeting, CN5. NOTED.**

6.5.2 Questions for advice and decisions from CN5

NP-040466 **OSA Stage 2 - A cross-releases Overview [N5-040779], CN5.**

Content: CN5 would like to provide for Information a 3GPP cross-releases Production Flow of the OSA specifications in general and of the OSA Stage 2 specifications in particular (TS 23.127, 23.198). CN5 kindly asks SA2 to withdraw from Rel-6 onwards TS 23.127 as it is not needed for OSA Stage 2 description anymore (see new CN5 TS 23.198 submitted for CN#26 12/2004 approval) and hence it does not seem to serve any another purpose.

Discussion: Response from SA2 in NP-040467

Status: **NOTED.**

NP-040467 **Reply LS on transferring the OSA stage 2 (23.127) responsibility from SA2 to CN5 [S2-043410], SA2.**

Discussion: Concludes the dialogue between on SA2 and CN5 on the transfer of the stage 2 for OSA.

Status: **NOTED.**

6.6 Status ITU-T ad hoc group

NP-040468 **LS Response to SSG on Review of Q.TRMMR [SP-040677], SA.**

Content: TSG-SA thanks SSG for the opportunity to review Q.TRMMR. However due to its late arrival at the 3GPP plenaries there was insufficient time to develop a consensus position within 3GPP. 3GPP TSG-CN and TSG-SA have therefore requested that the 3GPP individual member companies analyse the document and provide any comments directly into SSG

SSG are asked to consider the comments arriving from 3GPP member companies on Q.TRMMR

Status: **NOTED.**

NP-040478 **Request for further comments on the draft Technical Report Q.TRMMR on Mobility Management Requirements. ITU-GS-19.**

Content: ITU-T has taken a proactive stance with respect to global NGN standards. Mobility is now unquestionably recognized as a key dimension of NGN. A multi-Study Group effort is underway (with 13 as the Coordinator, with SGs 2, 11 and 19 as major participants, and with other SGs contributing their expertise as well) to make the best use of available resources for this work. There is a widespread spirit of cooperation and collaboration, and no duplication, in this area, and SG 19 intends to be proactive in supporting this work and this mode of operation. We look forward to a fruitful relationship with 3GPP, and other fora, as we work together towards our common goals.

3GPP CN and SA are again invited to provide comments on draft Q.TRMMR to ensure that it is technically correct and in line with 3GPP Mobility Management specifications. This document was made available to SA#25 in Palm Springs in document SP-040538 as part of the liaison statement from the Q.2/SSG Rapporteurs meeting in San Diego, 9-11 August 2004. This LS is also available at http://ties.itu.int/u/imt2000/imt2000/ls/q2-SDiego-04-08-2004/outgoing/LS%20to%203GPPs.zip (TIES account required.)

SG19 would greatly appreciate further feedback on this document both from 3GPP itself as well as from individual companies.

SG 19 will be meeting in Geneva 13-17 December 2004 and our work plan includes consideration of draft Q.TRMMR for approval as a Supplement at this meeting. We would kindly ask that you forward any response to this request electronically to ensure that we may give it due consideration before the close of our meeting.

Discussion: Individual companies are invited to send comments to Peter M. Adams of BT. The LS will also be presented to TSG_SA,

Status: NOTED.

NP-040577 **Draft LS to ITU-T on the Rel 6 transposition, CN Chair.**

Content: ITU-T Special Study Group on "IMT-2000 and Beyond" (SSG) previously requested input from SDOs related to 3G Release 6 core networks. In particular, the SDOs participating in 3GPP are invited to provide input on "IMT 2000 References to Release 6 of GSM evolved UMTS core NETWORK with UTRAN Access network."

It is important that the SDOs participating in 3GPP provide as input a consistent set of 3GPP specifications. This document provides a proposal for how the SDOs may wish to respond to this request. Please note that the SSG has been superseded by SG-19 in ITU-T.

Contains the table that provides the list of 3GPP specifications and versions, which the CN ITU-T Co-ordination Ad-Hoc recommends, is the base for the SDO responses to ITU-T. These are the specifications produced out of the December TSG meetings (minus a few).

Discussion: The list will be generated at or just after TSG_SA#26. This LS will be revised to remove the rev. marks and with the addition of the completed table,

Status: REVISED to NP-040602.

ß REVISED ß

NP-040602 **Draft LS to ITU-T on the Rel 6 transposition, CN Chair.**

Status: APPROVED

7 Release 4 & earlier: Approval of contributions (by Work Item)

NOTE - Rel 4 and previous releases are functionally FROZEN.
ONLY CAT F and CAT A CRS ALLOWED.

7.1 CAMEL Phase 2 and Phase 3

No Input to this agenda item.

7.2 Security

No Input to this agenda item.

7.3 GPRS

No Input to this agenda item.

7.4 Location service enhancement [LCS1]

No Input to this agenda item.

7.5 Handover

No Input to this agenda item.

7.6 GSM - UMTS Interworking

No Input to this agenda item.

7.7 Transcoder Free Operation [TrFO]

NP-040520   CRs to Rel-4 on Work Item OoBTC, CN4.
Discussion: CN4 and Sa4 have done some work on this area. SA4 on the CODEC level and CN4 on a protocol level. 1St 2 CRs are conditionally approved (condition SA4 CRs are also approved)
Status: APPROVED.

7.8 Enable bearer independent CS architecture [CSSPLIT]

NP-040521   CRs to Rel-4 on Work Item CCSPLIT, CN4. APPROVED.

7.9 Multicall

No Input to this agenda item.

7.10 OSA Enhancements [OSA1]

NP-040483   5 Rel-4/5/6 CR 29.198-04 OSA API Part 4: Call control, CN5. APPROVED.

NP-040484   3 Rel-4/5/6 CR 29.198-03 OSA API Part 3: Framework, CN5. APPROVED.

7.11 Small Technical Enhancements & Improvements [TEI]

NP-040501   CRs on Rel-4 WI "TEI4" for TS 24.007, CN1. APPROVED.

NP-040522   CRs to Rel-4 on Work Item small Technical Enhancements and Improvements on Supplementary Services, CN4. APPROVED.

8 Release 5:

NOTE - Rel 5 release is functionally FROZEN. ONLY CAT F and CAT A CRS ALLOWED

8.1 Provisioning of IP-based multimedia services [IMS]

NP-040502   CRs on Rel-5 WI "IMS-CCR" for TS 24.229 and 24.228, CN1. **APPROVED.**

NP-040523   CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface, CN4. **APPROVED.**

NP-040578   CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface, CN4. **APPROVED.**

8.2 OSA enhancements [OSA2]

NP-040485   27 Rel-5/6 CR 29.198-xy Removal of OSA API SCFs description in W3C WSDL, CN5. **APPROVED.**

8.3 CAMEL Phase 4 [CAMEL4]

NP-040525   CRs to Rel-5 on Work Camel 4, CN4. **APPROVED.**

8.4 Location Service Enhancements [LCS1]

No Input to this agenda item.

8.5 End to End QoS [E2EQoS]

NP-040555   CRs to Rel-5 (with mirror CRs) on Work Item "End to End QoS", CN3. **APPROVED.**

8.6 Security enhancements [SEC1]

No Input to this agenda item.

8.7 Service Change and UDI Fallback [SCUDIF]

No Input to this agenda item.

8.8 Technical Enhancements and Improvements [TEI5]

NP-040526   CRs to Rel-5 on Work Item TEI on GPRS, CN4. **APPROVED.**

NP-040527   CRs to Rel-5 on Work Item TEI on Clarification of NRI position within (P)-TMSI, CN4. **APPROVED.**

NP-040528   CRs to Rel-5 on Work Item small Technical Enhancements and Improvements, CN4. **APPROVED.**

NP-040573   Service Change for Failover not defined for Mc Interface, Ericsson, Vodafone, Lucent.
Status: **REVISED to NP-040604.**

   ß REVISED ß

NP-040604   Service Change for Failover not defined for Mc Interface, Ericsson, Vodafone, Lucent. **APPROVED.**

NP-040574   Audit restriction, Ericsson, Vodafone, Lucent.
Status: **REVISED to NP-040603.**

   ß REVISED ß

NP-040603   Audit restriction, Ericsson, Vodafone, Lucent.
Discussion: Revision based on Alcatel's
Status: WITHDRAWN.

8.9   Any other Rel-5 WI

NP-040529   CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Mc-Interface, CN4.
Discussion: Normative change is required for changing references in and not an informative one.
Status: APPROVED.

9   Release 6

9.1   IMS Phase 2 [IMS]

NP-040494   Revised IP Multimedia Core Network Subsystem WID, CN1. APPROVED.

NP-040465   LS on a 3GPP IMS management object [N1-042100], CN1.
Content: CN1 inform OMA PAG, OMA POC and OMA DM that the attached draft specification has been reviewed and agreed by 3GPP TSG CN1. OMA PAG and OMA POC may consider the content of the draft for their ongoing work with the management objects for services as PoC and presence
Status: **NOTED.**

NP-040499   TS 24.167: 3GPP IMS Management object (MO); Stage 3, CN1.
Discussion: CR expected to the next CN1 to address the issue of
79% status is due to the fact that the TS is well advanced although it is not fully ready for approval. Ericsson supported approving this TS as opposed to simply noting it for information. There are no listed outstanding issues. RIM and Lucent stated that some companies may wish to have a chance to examine the TS internally before it is approved, although it should still be included in Rel-6 for completion in March 05.
Status: **NOTED.**

NP-040505   CRs on Rel-6 WI "IMS2" for TS 24.147, CN1. APPROVED.

NP-040506   CRs on Rel-6 WI "IMS2" for TS 24.229, CN1. APPROVED.

NP-040530   CRs to Rel-6 on Work Item IP-based multimedia services Cx-/Dx-interface, CN4. APPROVED.

NP-040531   CRs to Rel-6 on Work Item IP-based multimedia services Sh-interface, CN4. APPROVED.

NP-040532   CRs to Rel-6 on Work Item IP-based multimedia services on Subscriber data handling, CN4. APPROVED.

NP-040579   CRs to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination, CN4.
Discussion: All CRs in this package are approved apart from N4-041654. This is replaced by a single CR contained in NP-040600.
Status: **PART APPROVED.**

NP-040600   CR to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination, CN4. APPROVED.

NP-040590   CRs on Rel-6 WI "IMS2" for TS 24.229, CN1.
Discussion: A certain implementation order needs to be respected when these CRs are implemented
Status: **APPROVED.**

NP-040462   Reply LS to SA3 on Security aspects of early IMS systems [N1-042078], CN1.
Content: CN1 thanks SA3 for their LS on Security aspects of early IMS systems. A related CR in N1-041846 was presented at CN1#36 proposing an Annex to TS 24.229 related to Security aspects of early IMS systems.
There was a concern that early IMS use, if specified in normative specifications would become a permanent one. In this respect TR would serve better.
It was agreed not to add the early IMS solution stage 3 as an annex to 24.229. CN1 does not make any recommendation on whether SA3 should take the proposed text and annex it to their early IMS TR 33.878.
Status: **NOTED.**

NP-040470   LS on CN3 impacts on Early IMS Security mechanisms [N3-040884], CN3.
Content: CN3 discussed and considered as technically correct 2 CRs on aspects of early IMS systems. CN3 has identified a number of impacts on the GGSN inter-actions defined in 3GPP TS 29.061. These have been documented in the attached contributions, N3-040881 and N3-040882.
CN3 was not able to decide where best to document the information included in the above documents. Whilst the information is relevant to GGSN inter-actions as part of the IMS clause of

TS 29.061and so could be incorporated in this specification, it seemed inappropriate to do this when the intention of Early IMS Security is to be something that is used early in IMS deployment, whilst TS 29.061 is a normative specification. Alternatively, the information could be included in TR 33.878. This may seem appropriate and would result in the full detail of the Early IMS Security implementation being held in a single document, if a similar approach were adopted by other groups handling stage 3 details.

CN3 has a preference for the inclusion of this information in TR33.878, but asks SA3 to decide where the documentation of GGSN inter-action impacts as a result of Early IMS Security is best addressed.

Status: **NOTED.**

9.2   Support of Presence Capability [PRESNC]

NP-040492   **Presence WID update, CN1.**
Content: Updated WID for Presence.
Status: **APPROVED.**

NP-040503   **CRs on Rel-6 WI "PRESNC" for TS 24.141, CN1.**
Discussion: 24.141 CR#21 is replaced by a CR contained in NP-040599. Also there is a implementation order that needs to be respected. All other CRs are approved.
Status: **PART APPROVED.**

NP-040599   **CR#21 on Rel-6 WI "PRESNC" for TS 24.141, CN1.**
Content: Replaces 24.141 CR#21 in NP-040503.
Discussion: 24.141 CR#21 is replaced by a CR contained in NP-040599. Also there is a implementation order that needs to be respected
Status: **APPROVED.**

NP-040474   **LS on proposed work split 3GPP/3GPP2/OMA on Presence [S2-043416], SA2.**
Content: In this LS SA2 asks OMA PAG group to confirm that the Presence architecture specified in OMA is consistent with the architecture defined in 3GPP TS 23.141 and would like to be informed about future architectural aspects to secure consistence between the 3GPP architecture and OMA Presence.
Status: **NOTED.**

9.3   Security Enhancements[SEC1]

NP-040511   **CRs on Rel-6 WI "SEC1-SC" for TS 24.109, CN1. APPROVED.**

NP-040512   **CR on WI SEC1-SC for TS 24.109, CN1.**
Discussion: Corresponding CRs need to be approved in SA.
Status: **APPROVED.**

NP-040534   **CR to Rel-6 on Key Management of group keys for Voice Group Call Services, CN4. APPROVED.**

NP-040535   **CR to Rel-6 on MAP Security, CN4. APPROVED.**

NP-040580   **CRs to Rel-6 on Subscriber Certificates, CN4. APPROVED.**

9.4   Emergency Call Enhancements [EMC1]

NP-040498   **WID on Emergency Call Enhancements for IP& PS Based Calls – stage 3, CN1.**
Discussion: TIM wish to be removed as supporting company. It is envisaged that the work done within 3GPP on emergency call will be adopted by TISPAN.
Status: **REVISED to NP-040608.**

    ß REVISED ß

NP-040608   **WID on Emergency Call Enhancements for IP& PS Based Calls – stage 3, CN1.**
Status: **APPROVED.**

9.5 Speech Recognition and Speech Enabled Services [SRSES]

No Input to this agenda item.

9.6 Generic User Profile [GUP]

NP-040537 **Updated WID on GUP, CN4.**
Content: Contains the updated WID on GUP
Discussion: TS for Rel-6 will be withdrawn and replaced by the TR. The procedure for doing this needs to be checked (offline).
This is a SA1 owned WID. CN need to take possession of the feature and therefore have it's own WID for GUP.
CN chair will propose to SA and SA1 that CN plan to take responsibility for the GUP feature. The bulk of the work is in CN.
CN need to create a WID for the CN part of the GUP work [NP-040612].
Status: **NOTED**

NP-040612 **Updated WID on CN Parts of GUP, CN4. APPROVED**

NP-040538 **3GPP TS 29.240 Generic User Profile v1.0.0 for information, CN4.**
Discussion: Presented for information (70% complete)
Status: **NOTED.**

NP-040539 **3GPP TR 23.941 3GPP Generic User Profile (GUP); Data Description Method (DDM) v2.0.0 for approval, CN4.**
Discussion: The foreword states it is a TS and not a TR. This can be cleaned up and the template checked by the MCC when the new version is made. With the approval of this TR, the TS 23.241 will not longer exist.
Status: **APPROVED.**

NP-040471 **LS on GUP WID Update [N4-041620], CN4.**
Content: CN4 asks the SA1 group to take note of the update to the 3GPP wide GUP WID made by CN4 and to represent the total changes to the SA plenary.
Discussion: The action on SA1 needs to be done in SP#26 meeting
Status: **NOTED.**

9.7 OSA Enhancements [OSA3]

NP-040486 **2 Rel-6 CR 29.198-xy OSA API, CN5. APPROVED.**
Discussion: One CR contains buried annotations that should not be copied into the specification when the CR is implemented by the MCC.
Status: **APPROVED.**

NP-040487 **4 Rel-6 CR 29.199-xy OSA Parlay X Web Services, CN5**
Discussion: Motorola identified that there seems to be a clash between two CRs. Also various CR numbers are missing. All of the CRs except CR002 are approved. CR002 is REVISED to NP-0400609.

NP-040609 **Rel-6 CR 29.199-xy OSA Parlay X Web Services, CN5**
Status: **APPROVED.**

NP-040488 **Rel-6 Draft TS 23.198 v100 (OSA Stage 2) – for Information, CN5.**
Content: OSA Stage 2 presented for information.
Status: **NOTED.**

9.8 Multimedia Broadcast and Multicast Service [MBMS]

NP-040493 **MBMS WID Update, CN1.**
Status: **APPROVED.**

NP-040504 **CRs on Rel-6 WI "MBMS" for TS 24.008, CN1. APPROVED.**

NP-040540 **CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service, CN4. APPROVED**
except for CR 29.060 515r1 which is conditionally approved.

NP-040585 **CRs to Rel-6 on Work Item "MBMS", CN3.**
Discussion: Motorola identified that there is a number of overlapping CRs. CN3 chair explained that this is due to the CRs being created at two WG meetings. There is a strict implementation order that needs to be respected.
Needs some cleaning to remove duplication.
Status: **REVISED to NP-040616.**

ß REVISED ß

NP-040616 **CRs to Rel-6 on Work Item "MBMS", CN3. APPROVED.**

9.9   IMS Messaging [IMSM]

NP-040500 **TS 24.247: Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem, CN1.**
Discussion: Should be a v2.0.0 presented for approval and not a version v6.0.0.
Suggested re-creating the version v2.0.0 (NP-020611) with a cover sheet listing the alignment of the flows in the Annex as an outstanding issue.
The final approved version of this TS will be 6.0.1.
Status: **REVISED to NP-040611**

ß REVISED ß

NP-040611 **TS 24.247v2.0.0: Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem, CN1.**
Discussion: The final approved version of this TS will be 6.0.1.
Status: **APPROVED.**

9.10   Interop & Commonality between IMSs using different IP-connectivity networks

No Input to this agenda item.

9.11   Interworking IMS<->IP

NP-040588 **TS 29.162 v2.0.0. interworking between the IM CN subsystem and IP networks (for approval) CN3. APPROVED.**

9.12   Interworking IMS<->CS

NP-040582 **CRs to Rel-6 on Work Item "IMS" (Pack 1), CN3. APPROVED.**

9.13   CAMEL Phase 4 Enhancements [EDCAMEL]

No input to this agenda item

9.14   Bearer Independent Arch in PS

No input to this agenda item

9.15   MRFC to MRFP I/f (Mp) [IMS-CCR-Mp]

No Input to this agenda item.

9.16   MGCF to IM MGW I/f (Mn) [IMS-CCR-Mn]

NP-040583 **CRs to Rel-6 on Work Item "IMS" (Pack 2), CN3. APPROVED.**

9.17 WLAN [WLAN]

NP-040508   **CRs on Rel-6 WI "WLAN" for TS 24.234, CN1. APPROVED.**

NP-040509   **CR on WI "WLAN" for TS 24.234, CN1**
Content: CN1 CR linked to the CN4 CR contained in NP-040581 on the IREG issue.
Discussion: Returned to CN1
Status: **REFERRED back to WG.**

NP-040581   **CRs to Rel-6 on WLAN, CN4.**
Discussion: Motorola raised some concerns on some of the Cover sheet details as well as off CR numbers / and WIDs codes. Also could not agree to the CR CAT's as CAT D.
CR21 to 29.234 will be revised to a Cat F and the correct CR number included on the Cr coverpage.
CR28 to 29/234 will be revised to a Cat F.
This needs to be updated in the CR database.
All of the CRs other than the CR093 in this pack are approved.
CR 093 to 23.003. is sent back to CN4 for further investigation. This is related by the GSMA IREG decision not to allocate a domain name for non-routable. A linked CN1 CR will have a similar treatment
Also this issue needs to be discussed with SA1.
Proposed to send a LS to GSMA and SA1 asking that GSMA reconsider their decision on the domain name issue, and also ask SA1 if they can relax the related requirement. The LS is contained in NP-040613.
One possibility would be a conference call. This issue will be discussed further on the CN4 email exploder. CN4 chair will act as a central point for these discussions.
Status: **PART APPROVED.**

NP-040613   **LS OUT Response LS to GSMA IREG on Reservation of two new sub domains under ".3gppnetwork.org", CN**
Discussion: Some editorial changes were required to make the text clearer.
Status: **REVISED to NP-040622.**

ß REVISED ß
NP-040622   **LS OUT Response LS to GSMA IREG on Reservation of two new sub domains under ".3gppnetwork.org", CN. APPROVED.**

9.18 Location Service Enhancements [LCS2]

NP-040542   **CRs to Rel-6 on Location Services, CN4. APPROVED.**

9.19 Network Sharing [NTShar]

NP-040513   **CRs on WI NTShar for TS 23.122 and TS 24.008, CN1. APPROVED.**

NP-040543   **CR to Rel-6 on Network Sharing CN4.**
Discussion: Linked to SA1 CRs. So t is conditionally approved - on the conditions that the corresponding CRs are approved in SA#26.
Status: **APPROVED.**

9.20 QoS improvements [QoS1]

NP-040586   **CRs to Rel-6 on Work Item "QoS1" (Gq interface), CN3.**
Discussion: Motorola stated that the CR contained in N3-040890 is not really a CAT D as marked. Should be a CAT F. This
Status: **APPROVED.**

9.21 Small Technical Enhancements and Improvements [TEI6]

NP-040514   **CRs on WI TEI6 for 23.014, 23.122 and 23.008, CN1. APPROVED.**

NP-040515   **CRs to WI TEI6 for TS 43.068, 43.069 and 44.064, CN1.**
Discussion: The CAT D CRs should really be CAT F CRs. This will be updated in CR dbase. the CN chair reminded the CN WGs to use extreme caution when allocating Categories for CRs.
Status: **APPROVED.**

NP-040544   **CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Camel, CN4. APPROVED.**

NP-040545   **CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS, CN4. APPROVED.**

NP-040546   **CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP, CN4. APPROVED.**

NP-040547   **CR to Rel-6 on Work Item small Technical Enhancements and Improvements on Mc-interface CN4. APPROVED.**

NP-040548   **CR to Rel-6 on Work Item small Technical Enhancements and Improvements on OoBTC, CN4. APPROVED.**

NP-040591   **CRs to Rel-6 on Work Item "TEI-6" (Pack 1), CN3. APPROVED.**

NP-040560   **CRs to Rel-6 on Work Item "TEI-6" (Pack 3), CN3. APPROVED.**

NP-040584   **CRs to Rel-6 on Work Item "TEI-6" (Pack 2), CN3.**
Discussion: One zip file contains two files that seem to be the same CR. Some checking required to clarify.
Status: **REVISED to NP-040615.**

     ß REVISED ß

NP-040615   **CRs to Rel-6 on Work Item "TEI-6" (Pack 2), CN3. APPROVED.**

9.22   Any otherRel-6 WI

NP-040510   **CR on Rel-6 WI "PSintDTM-Reduct" for TS 24.008, CN1. APPROVED.**

NP-040549   **Updated Work Item Description on Trace Management, stage3, network, CN4. APPROVED.**

NP-040563   **Draft WID on Reorganization of CS data specifications, CN3.**
Discussion: Lucent suggested some more appropriate wording. Also the WID template is not the latest version. However this WID is effectively concluding work that has already been completed. The impacts on the CN need to be indicated
Status: **APPROVED.**

NP-040587   **Transfer of information from TR 23.910 CN3. APPROVED.**

NP-040607   **TS23.202 v1.0.1 Circuit switched data bearer services (for information and approval), CN3.**
Discussion: This TS is brought in for information and approval
Status: **APPROVED.**

NP-040566   **TS 29.210 v2.0.0 Charging rule provisioning over Gx interface (for approval), CN3. APPROVED.**

NP-040567   **TS 29.211 v1.0.0 Rx interface and Rx/Gx signalling flows (for information)   CN3.**
Discussion: Document is full of revisions - makes it difficult to read.

Status: NOTED.

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10 Release 7

10.1 Any Rel-7 Work Item

NP-040495   **New IP Multimedia Core Network Subsystem WID - IMS Stage3 Protocol Evolution, CN1.**
Content: The document contains New IP Multimedia Core Network Subsystem WID - IMS Stage3 Protocol Evolution (Phase 3)
Discussion: Ericsson proposed to do some re-wording to clarify the objectives and the scope. Nokia and RIM added their support to this WID.
Status: REVISED to NP-040617.

     ß REVISED ß

NP-040617   **New IP Multimedia Core Network Subsystem WID -** IMS Stage-3 IETF Protocol Alignment**, CN1.**
Discussion: The acronym IMS3 should not be used for this WI.
Status: APPROVED.

NP-040496   **WID on Trace Management, stage3, IMS, CN1.**
Discussion: Vodafone added their support to this WID.
CN chair will mention to SA#26 that the parent feature is missing
Status: REVISED to NP-040621.

     ß REVISED ß

NP-040621   **WID on Trace Management, stage3, IMS, CN1.**   APPROVED.

NP-040497   **WID update on Protocol impact from providing IMS services via fixed broadband, CN1.**
Discussion: Feature level WID was changed in SA#25, and this CN WID has now been aligned.
Telia-Sonera and T-mobile added their support for this WID. Also top-title needs to be corrected
Status: REVISED to NP-040618.

     ß REVISED ß

NP-040618   **WID update on Protocol impact from providing IMS services via fixed broadband, CN1.**
   APPROVED.

NP-040516   **CR to WI TEI7 for TS 23.122, CN1,** APPROVED.

NP-040550   **WID, CAMEL Trunk Originated Trigger Detection Points, CN4**
Content: This Work Item Description describes the work to be done for CAMEL Phase 4 to include the feature 'CAMEL Trunk Originated TDPs.
Discussion: A linked Feature level WID from SA1 is being presented in SA#26.
Status: APPROVED.

NP-040614   **WID for Combining CS and IMS services & Capability Detection mechanism" Building Block, Ericsson, Nokia, Nortel Networks, Siemens, Vodafone.**
Content: This proposed WID addresses this need for stage 3 specification of "Combinational Service.

Discussion: SA2 will submit a new WID related to this work to SA#26. There has been a feasibility study done in SA2, which examined 4 alternatives. The final recommendation is a single solution for the stage 3 work.
This WID has been brought directly to Plenary without being seen by CN1, the group that would take the work. CN Plenary will not approve it now, but prefer it to be seen in CN1 before.
No objections were raised to the WID in plenary. Companies do not have to wait until the approval of the WID in order to initiate technical discussions in CN1.
Status: NOTED.

11 TSG CN and T work organization [Joint session between TSG_CN and TSG_T]

Stephen Hayes {CN Chair} chaired this joint session and introduced the history behind the merging of TSG_CN and TSG_T for the new TSG_CT in March of 2005.

It was clarified that the decisions taken in this meeting are independent of the decisions taken in the joint TSG_RAN and TSG_T on 9th December 2005.
The purpose of the joint session is to:-
- Agree the ToR of the new CT.
- Agree on a several details for the CN + T -> T transition
-

11.1 Principles for work organization within CN and T

NP-040575   **WG elections, Nokia [TP-040287]**
Content: 3GPP TSGs will be reorganised in March 2005, and new chairmen and vice chairmen will be elected for all 3GPP TSGs. Some of the tasks of TSG-T will be moved to TSG-CT (TSG-CN and TSG-T merger) and some to TSG-RAN. For the sake of optimal work split and number of WGs in a TSG, an internal reorganisation within TSG-CT, and within TSG-RAN, may be needed. TSG-SA and TSG-GERAN WGs are not affected by this reorganisation.
Several WG level elections in TSG-CN, TSG-T and TSG-RAN are due immediately before or right after the reorganisation (T1, T2, T3, CN1, CN3, CN4, CN5, R1, R2, R3, and R4). Electing new WG leaders immediately before the TSG reorganisation and possible reorganisation of WG tasks should be avoided because candidate WG chairmen and vice chairmen would not know what they are committing themselves to, and how long their term would last. If WGs and their tasks were reallocated, new WG leaders would need to be elected.
Proposal
The chairman and vice chairman elections in TSG-T, TSG-CN and TSG-RAN WGs should be postponed beyond the TSG reorganisation, and existing chairmen and vice chairmen should be granted an extension to their terms of office until the task split and the new terms of reference of WGs are known.
There is no need to postpone TSG-SA and TSG-GERAN WG elections.
Discussion: Lucent question the term re-organization.
The T2 Chair [RIM] asked if the Nokia document introduced the idea of WG under the new CT being considered as new WGs and hence chairs having served two terms being able to re-stand for elections for chair. This is handled in the NP-040605
Status: **NOTED.**

11.2   Terms of Reference

NP-040458   **Proposed CT Terms of Reference, CN and T TSG Leaders [TP-040228]**
Content: At PCG#13, the CN and T leadership was tasked with proposing the Terms of Reference for the new TSG-CT. This ToR should be discussed within CN and T and once agreed, passed to the PCG for ratification.
The bulk of the Terms of Reference are derived from the original CN and T charters with updating to address the coverage of IMS and terminal based applications.
Discussion: This update also adds the WLAN and IMS work to the ToR.
Modified to "Liaising with other _organizations_ as appropriate" as opposed to only within 3GPP TSGs.
It was clarified the T3 have several testing specifications (USIM / smart card etc). Appropriate text was added to the ToR document.

SMS and MMS are defined as applications in the ToR and should be classified as services.
It is preferred to use generalised terms in the ToR to allow it to be broad enough to avoid constant revisions being required every time we take on a new technology.

Ericsson proposed to add IMS Interoperability testing to the 3GPP CT TOR. RIM objected to 3GPP talking on this work as there are already a number of other organizations who already do this interop testing on 3GPP specifications. RIM preferred that this be examined in future meetings and not allow a blank cheque for this work at this early stage. T-mobile and Telia Sonera supported the

addition but agree that more study is required. Motorola clarified that a WID would need to be presented and approved before such interoperability work could be done.
It is too early to add this text in the CT ToR. It was clarified that the current ToR does not preclude interoperability testing and CT would consider WIDs on this topic when they are available.

Modifications were made to the GLOSSARY in order to correctly reflect the work done in T3.

It was agreed to delete the **Background** from the CT ToR (in alignment with the new RAN ToR)

Status: **REVISED to NP-040626 and TP-040295.**

ß **REVISED** ß

NP-040626   **Proposed CT Terms of Reference, CN and T TSG Leaders [TP-040295].**
Discussion: Will be sent to the PCG who will do the final APPROVAL
Status: **ENDORSED.**

NP-040601   **Proposed CT Terms of Reference, Telecom Italia.**
Discussion: No one was present from TIM to present the document so it was simply NOTED.
Status: **NOTED.**

NP-040605   **CN and T to CT transition details, CN and T Chairs. [TP-040286]**
                 1) WG naming
At PCG#13, the PCG decided that CN and T should be merged after TSG#27. Several details of the transition were not fully decided but were left for the TSG to decide. This document proposes how to proceed on several of those details.
The WGs should be renamed as follows:
CN1->CT1
T2   ->CT2
CN3->CT3
CN4->CT4
CN5->CT5
T3 -> CT6

WGs may add text of their correspondence indicating the previous WG name (i.e., "formerly known as T3") for as long as felt necessary.
Motorola and Nokia stated that it is a little premature to rename the existing WGs to CTx form, when certain of those WGs may disappear in the short to mid term. This would leave gaps in the CTx WG numbering.
T-mobile clarified that the PCG mandated the moving of T2 and T3 into CT and possible it would be better to examine the complete details of merging CN and T in 3 to 6 months.
There have been ongoing discussions within TSG T on the future scope and tasks of T2. This needs to be considered in the discussions on CT organisation.
Motorola suggested finalising the CT WG numbering after March 2005.
Nokia suggested separating the two issues:
- Examine the CT re-organisation
- Consider the ToR and scope of the new CT WGs.
Artificial barriers should be avoided when considering the re-organisation.
T2 chair clarified that it is important not to loose the expertise contained within T2. The focus needs to be on identifying the most appropriate place for the work to be done in order to maintain and enhance the T2 specifications.
Lucent warned that several of the existing CN WGs are working at full capacity and may not be able to take on extra work without. Also it is usual for WGs to be numbered sequentially and new WGs simply have the next free WG number with no need to fill in the voids
T Vice chair stated that such re-organisations must not interfere with the ingoing work in all WGs.

CN Chair clarified that the purpose of this proposal is to assign default names to the WGs. Should those WGs then disappear or merge then those groups will be assigned new-names.
The default naming will allow the works to exist in the first meetings of the new CT WGs after March 2005. However the decisions taken now to not preclude further discussions in the new CT on the future organisation of the TSG and it's WGs.

If we see the need for a CT meeting at the end of the TSG sessions in March we should decide on that now.

There needs to be clear separation between TSG re-organisation initiated by the PCG, and WG re-organisation within TSGs that are the initiatives of the individual TSG.

The decision of the joint session was that "the proposed WG renaming will be used" as a default. however this does not preclude further discussions on WG re-organisation in future TSG meetings.

2)   Meeting Numbering
The TSG and WG meeting numbering should continue in sequence even though the name is changed. (i.e., CN#27 and T#27 will be followed by CT#28, CN1#37 will be followed by CT1#38.)

The joint meeting agreed to the meeting numbering.

3)   Document Numbering
Documents in CT and its working groups will start with C (i.e, CP-050xxx, C2-050xxx).

The joint meeting agreed to the Cx document pre-fix.

The joint meeting agreed that the document numbering should continue according to existing WG practise.

The joint meeting agreed to create a new 3GPP FTP directory for TSG_CT. The existing directories would be maintained as they are.

.   **4)   WG Election Postponement**
The current 3GPP election procedures tend to create instability when a chair or vice-chair reaches their term limits. This is due to the fact that it is impossible to know until the last minute whether or not the incumbent will be challenged. The TSG leaders will request that the PCG consider changes to the election procedures to remove that instability.
Since any rule changes may affect the elections, the TSG leaders recommend that the WG elections be delayed until after the PCG has a chance to consider changes to the working procedures.
WG elections were proposed to be delayed until after the beginning of May to allow the PCG to decide on any changes to the rules.

Lucent is very unhappy about extending the existing mechanisms and timescales. Asked that we carry on as normal with no change.

It was argued that having elections in Feb would cause disruption to the normal working in the working groups. To delay the elections would be generally more efficient. Lucent could not agree to this.

2 possible options 1) delay until after the March TSG 2) Delay until after the May PCG.
Elections can occur at interim meetings if the election is announce 21 days before.

It is inefficient to have an election in February and then have to re-examine the elections after the March Plenaries.

Motorola questioned if the CT WGs are considered as new WGs and therefore will need elections for their official or not. This is discussed below in 5)

16 companies supported delaying the WGs until after the March TSG elections.
1 company objected to this.

The joint session agreed that the WG elections will be delayed until after the March TSGs.

The term of existing officials is extended until the group election after the March TSGs.

5). New vs Old WGs
WGs are considered to be old WGs, which have been moved to a new TSG as opposed to being newly created WGs. Recreating the groups would have required that the WGs follow those rules associated with the formation of a new group (Convenors appointed for the first 2 meetings, new officials elected on the 2nd meeting, voting lists reset, new ToRs required, etc.)
The TSG (or in this case, the joint CN & T meeting) has the prerogative to declare a WG as new if it is deemed necessary (i.e., there is a major shift in it's scope), but the default is assumed to be that the WG continues as before with simply a new name.

Motorola did not support this rule. Considers a new TSG with new WGs. Although the ToRs may be similar the WGs should be considered as new. We will just have to follow the existing rules. Also Motorola did not agree to joint CN and T meeting having the prerogative of deciding on this issue. The document was modified to reflect that it is the TSG that has this prerogative.

T-mobile, Nortel, Vodafone and RIM did not agree with Motorola and argued that groups that do not change their ToR and reporting structure should NOT be considered as new. Also the PCG mandated that the work of the WGs should not be disturbed by the TSG re-organisation.

If there are major changes to the ToRs of those groups than those new groups could be considered as new WGs with the need for elections of new leadership. This will be decided by the TSG.

The decision of the joint session was that "the WGs are considered as old" and that will be used as a default. However this does not preclude further discussions on WG re-organisation in future TSGs.

A discussion ensued after lunch about the need of a CT meeting at the end of the March 2005 Plenary. Nokia and Motorola supported reserving a slot for the 1st CT meeting at the end the usual CT and T plenaries in March 2005.
The only possible Agenda item for this CT meeting could be WG organisation and WG ToRs.

Show of hands indicated that 8 companies supported having such a short CT meeting in March and 3 companies were not sure it was justified.

The joint meeting agreed to have the 1st meeting of the new CT on Friday afternoon of the March TSG. The meeting will be numbered CT#27.
Scope will be proposed changes to the WG's ToRs and general WG re-organisation.

6) TSG Vice-chairs
The MCC will prepare ballots with the assumption that CT will have 3 TSG vice-chairs.

The joint session agreed to having ballot for three CT vice chairs.
Status: **REVISED to NP-040624 and TP-040292.**
ß **REVISED** ß
NP-040624 CN and T to CT transition details, CN and T Chairs. [TP-040286]
Discussion: See comments in NP-040625
ß **REVISED** ß
NP-040627 CN and T to CT transition details, CN and T Chairs. [TP-040296]. APPROVED.

NP-040625 Alternative CN and T to CT transition details, Motorola. [TP-040294]
Content: Presents minor wording changes to the proposals in document in NP-040624
Discussion: It was clarified that if the WGs are 'old' then the terms for the officials are not re-set. Only if the TSG decides that a WG is new then elections will be held for new officials in the usual way for a new group.
It was proposed to add the default case for the CT WG naming.
When the term default is used in the document that indicates that the decision unless agree differently by the TSG.
Status: **NOTED.**

11.3 Support Arrangements

No Input to this agenda item.

11.4 Working methods / Work Style

No Input to this agenda item.

11.5 Future Meeting Schedule

NP-040595   **2005 Meeting schedule, source MCC.**
Content: Contains the CN 2005 meeting calendar
Discussion: CN WGs typically have co-located meetings. TSG leadership urges the T2 and T3 groups to also
                 co-locate where it is possible.
Status: **NOTED.**

NP-040596   **LS IN requesting a joint meeting between TISPAN and 3GPP, TISPAN. (Covered in CN only
                 session)**
Content: The LS from TISPAN suggests holding a second Workshop in the February-March 2005
                 timeframe.
Discussion: TISPAN look at mid-2005 timescale for their release 1. It is possible the workshop timing is a little
                 late to allow for the input to be integrated in the release 1 specifications.
                 3GPP need to be very clear as to what the objective of the workshop will be. ATIS have suggested
                 they may host the meeting.
                 A discussion ensued as to who should attend from 3GPP, protocol experts or more general
                 representatives.
                 1) TSG_CN supports the idea of a workshop
                 2) Remind TISPAN that it is a workshop with no binding power. Member companies will decide
                 which people should attend.
                 3) Should be open to other SDOs not only 3GPP and TISPAN
                 4) 3GPP_CN prefers the 30-31 March 2005 date.
                 The response LS (to SA) is contained in NP-040619.
Status: **NOTED**

NP-040619   **Proposed Response to TISPAN on Workshop on "IMS over Fixed Access. (Covered in CN
                 only session) APPROVED.**

12 Specifications in TSG-CN and TSG_T domain

NP-040592 **Summary of Release 4 Content MCC, Sultan.**
Discussion: Updates or concerns should be forwarded to MCC.
Status: **NOTED.**

NP-040569 **CRs to lists of specs, JMM, MCC, [TP-040246].**
Content: The document will be presented for approval to SA#26. TSGs CN, RAN and T are invited to check the changes to the spec lists for each system and each Release.   Contains the CRs to lists of specifications. It will be updated before presentation for approval in SA#26.
Status: **NOTED.**

NP-040570 **CR to 21.900, JMM, MCC, [TP-040247].**
Content: Contains two CRs to 21.900 1) Editorial clarification of version numbering system, upgrade to Rel-7 2) Make working procedures release-independent.
Discussion: Comment are invited offline to JMM.
Status: **NOTED.**

NP-040571 **Specs per Release; a comparison, JMM, MCC, [TP-040248].**
Content: The table in the attached Excel file shows a comparison of the specs which exist in each (recent) Release of the 3GPP systems (GERAN-based and UTRAN-based). The Support Team recommends that, at the time Release 6 is functionally frozen, the specs highlighted in yellow be upgraded with no technical change to version 6.0.0. Delegates are reminded that, in order to maintain integrity of referencing, a spec which is valid in a given Release must exist in that Release. Any spec which is referenced from any other spec in a given Release must have a version pertaining to that Release. Delegates are also reminded that an explicit decision of the responsible TSG is required for the upgrade to happen. (Once that decision is taken, the upgrade is handled by the Support Team, and requires no CR, since no technical changes are introduced.)

For CN it was indicated that 24.228 and 23.910 should not be carried forward int o Rel 6.
Discussion: Comment are invited offline to JMM.
JMM clarified that 800 TRs are not usually automatically upgraded. However the 900 series TRs are published by the SDO and are therefore upgraded
Status: **NOTED.**

NP-040572 **Status list before TSG#26, JMM, MCC, [TP-040249]**
Discussion: Comment are invited offline to JMM.
Status: **NOTED.**

13 Review of 3GPP Work Plan

NP-040456 **Latest version of 3GPP Workplan MCC, Sultan [TP-040212]. NOTED.**

NP-040457 **Latest version of 3GPP Workplan (SLIDES) MCC, Sultan [TP-040213].**
Discussion: Comments were received and revisions were made online.
Slide 19:	TS 29.162 was approved at CN#26
Slide 19:	Group management can be marked as 100% complete in the WPLAN
Slide 21:	WID for IMS messaging has been deleted at T#26.
Slide 42:	WID for FS Multiple MMS Relay/Server Architecture deleted inT#26. A new WID would be required to do this work in Rel-7
Slide 42:	TSG_T consider all MMS work (3 parts) closed for Rel-6
Slide 54:	Pk interface completion will be extended until PRESENCE is complete (March 05). If there is still no input on the Pk interface at this time then it will be moved to Rel-7
Slide 64:	IMS local services a new WID is needed if companies wish to introduce this in Rel-7
Slide 55:	TS 23.241 has been transformed into TR 23.941 that has been approved at CN#26.
General	WLAN interfaces have been added to the Stage 2 PRESENCE specifications. These are the Pr and Pp interfaces. No work on this has yet been started in CN.
Slide 19:	Mn interface is considered as complete in CN4 and CN3.
Slide 26:	Remove the reference to forbidden PLMN lists for WLAN access.

Slide 59: Trace WID has been split into a Rel-6 and a Rel-7 part. SA5 also need to do some work on this.

A number of other comments were made to WLAN and IMS work items these and all the other comments were updated live in the slide presentation.

The newly approved Rel-7 work items will be added to the slides.

CN has identified a list of extensions for Rel-6 work items that may be delivered by March 2005. These are considered as exceptions, and will be listed in the chairs report to TSG_SA. WG chairs were requested to check that the late items are all correctly listed on slide 80. CN endorsed the conclusions of this document.

Status: **REVISED to NP-040628.**

ß REVISED ß

NP-040628 **Latest version of 3GPP Workplan (SLIDES) MCC, Sultan. [TP-040297]. NOTED.**

14 Any other business

15 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting at 15:00 on 10th of December.

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attach.
NP-040602	LS on Co-ordination of SDO input to ITU-T Q.1741.4	ARIB, CCSA, ETSI, ATIS, TTA, TTC	SA	-
NP-040619	Proposed Response to TISPAN on Workshop on "IMS over Fixed Access"	SA	-	-
NP-040620	LS on IP multimedia group management and messaging capabilities	SA1	-	-
NP-040622	LS on to 3GPP on Reservation of two new sub domains under ".3gppnetwork.org" from GSMA IREG (NP-040597)	GSMA IREG, GSMA, SA1, CN1, CN4	-	NP-040597

A.2 New TSs /TRs Approved (to be placed under change control)

Tdoc	Type	Spec	Title	WG
NP-040539	TR	23.941	3GPP Generic User Profile (GUP); Data Description Method (DDM) v2.0.0 for approval	CN4
NP-040566	TS	29.210	Charging rule provisioning over Gx interface (for approval)	CN3
NP-040588	TS	29.162	Interworking between the IM CN subsystem and IP networks (for approval)	CN3
NP-040607	TS	23.202	Circuit switched data bearer services (for information and approval)	CN3
NP-040611	TS	24.247	Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem	CN1

A.3 New / Revised Work Items Approved

Tdoc	Title	Rel	WG
NP-040492	Presence WID update	Rel-6	CN1
NP-040493	MBMS WID Update	Rel-6	CN1
NP-040494	IP Multimedia Core Network Subsystem WID	Rel-6	CN1
NP-040549	Trace Management, stage3, network	Rel-6	CN4
NP-040550	CAMEL Trunk Originated Trigger Detection Points	Rel-7	CN4
NP-040563	Reorganization of CS data specifications	Rel-6	CN3
NP-040608	Emergency Call Enhancements for IP& PS Based Calls – stage 3	Rel-7	CN1
NP-040612	CN parts of GUP	Rel-6	CN4
NP-040617	IP Multimedia Core Network Subsystem - IMS Stage3 Protocol Evolution	Rel-7	CN1
NP-040618	Protocol impact from providing IMS services via fixed broadband	Rel-7	CN1
NP-040621	Trace Management, stage3, IMS	Rel-7	CN1

A.4 Status of CRs following TSG CN Plenary meeting

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	CR written to	Resulting vers	WG	Workitem
23.003	092	2	Rel-6	F	NP-040581	N4-041693	approved	'otherrealm' format of Decorated NAI	6.4.0	6.5.0	N4	WLAN
23.003	093	1	Rel-6	F	NP-040581	N4-041575	rejected	Definition of Alternative NAI	6.4.0		N4	WLAN
23.003	094	1	Rel-5	F	NP-040527	N4-041667	approved	Clarification of NRI position within (P)-TMSI	5.9.0	5.10.0	N4	TEI5
23.003	095	1	Rel-6	A	NP-040527	N4-041668	approved	Clarification of NRI position within (P)-TMSI	6.4.0	6.5.0	N4	TEI5
23.003	096	1	Rel-6	F	NP-040580	N4-041613	approved	BSF address	6.4.0	6.5.0	N4	SEC1-SC
23.008	135	1	Rel-6	B	NP-040543	N4-041078	approved	Inclusion of selected CN operator ID parameter	6.3.0	6.4.0	N4	NETSHAR
23.008	136	-	Rel-6	B	NP-040532	N4-041247	approved	Optimization of User Profile Download	6.3.0	6.4.0	N4	IMS2-CCR
23.008	137	-	Rel-6	F	NP-040532	N4-041248	approved	Subscribed Media Profile Identifier	6.3.0	6.4.0	N4	IMS2-CCR
23.008	138	1	Rel-6	C	NP-040580	N4-041612	approved	Domain independent GAA	6.3.0	6.4.0	N4	SEC1-SC
23.008	140	-	Rel-6	C	NP-040580	N4-041324	approved	Correction to authorization flag definition	6.3.0	6.4.0	N4	SEC1-SC
23.008	141	-	Rel-6	F	NP-040580	N4-041616	approved	Introduction of NAF groups	6.3.0	6.4.0	N4	SEC1-SC
23.008	142	1	Rel-6	B	NP-040581	N4-041572	approved	WLAN-IW data handling: additions to 23.008	6.3.0	6.4.0	N4	WLAN
23.014	007	-	Rel-6	F	NP-040514	N1-041805	approved	Introduction of new references for DTMF	5.1.0	6.0.0	N1	TEI6
23.078	748	5	Rel-6	A	NP-040525	N4-041635	approved	Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption	6.3.0	6.4.0	N4	CAMEL4
23.078	749	2	Rel-6	F	NP-040544	N4-041631	approved	Correcting SDL of Process CS_gsmSSF (sheet 62)	6.3.0	6.4.0	N4	TEI6
23.078	752	-	Rel-6	F	NP-040544	N4-041420	approved	Correction to Change of Position handling in gsmSSF	6.3.0	6.4.0	N4	TEI6
23.078	753	1	Rel-6	F	NP-040544	N4-041633	approved	Correction in Sheet 18 of Process CSA_gsmSSF	6.3.0	6.4.0	N4	TEI6
23.078	754	-	Rel-5	F	NP-040525	N4-041423	approved	Clarification on Outstanding Request Counter (ORC) handling	5.8.0	5.9.0	N4	CAMEL4
23.078	757	1	Rel-6	F	NP-040544	N4-041632	approved	Warning Tone	6.3.0	6.4.0	N4	TEI6
23.122	082	7	Rel-7	C	NP-040516	N1-042123	approved	Support of multiple HPLMN codes	6.2.0	7.0.0	N1	TEI7
23.122	084	1	Rel-6	F	NP-040514	N1-042079	approved	Clarification on the use of the RAT during background scanning	6.2.0	6.3.0	N1	TEI6
23.122	086	1	Rel-6	B	NP-040513	N1-042118	approved	Clarification of PLMN selection in shared networks	6.2.0	6.3.0	N1	NTShar
23.153	074	1	Rel-6	F	NP-040548	N4-041622	approved	3GUP properties correction	5.8.0	6.0.0	N4	TEI6
23.153	075	-	Rel-4	F	NP-040520	N4-041301	approved	TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	4.10.0	4.11.0	N4	OoBTC
23.153	076	-	Rel-5	A	NP-040520	N4-041302	approved	TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	5.8.0	5.9.0	N4	OoBTC
23.153	077	1	Rel-4	F	NP-040520	N4-041518	approved	Detailed description of the handling of codec negotiation parameters	4.10.0	4.11.0	N4	OoBTC
23.153	078	1	Rel-5	A	NP-040520	N4-041519	approved	Detailed description of the handling of codec negotiation parameters	5.8.0	5.9.0	N4	OoBTC
23.153	079	3	Rel-4	F	NP-040520	N4-041701	approved	Addition of missing condition for transcoder free operation in the MGW	4.10.0	4.11.0	N4	OoBTC
23.153	080	3	Rel-5	A	NP-040520	N4-041702	approved	Addition of missing condition for transcoder free operation in the MGW	5.8.0	5.9.0	N4	OoBTC
23.153	081	-	Rel-5	F	NP-040528	N4-041401	approved	Correction of the inter-MSC handover during TrFO	5.8.0	5.9.0	N4	TEI5
24.007	068	-	Rel-4	F	NP-040501	N1-041842	approved	Sequence numbering for SS via PS	4.3.0	4.4.0	N1	TEI4
24.007	069	-	Rel-5	A	NP-040501	N1-041843	approved	Sequence numbering for SS via PS	5.2.0	5.3.0	N1	TEI4

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	CR written to	Resulting vers	WG	Workitem
24.007	070	-	Rel-6	A	NP-040501	N1-041844	approved	Sequence numbering for SS via PS	6.2.0	6.3.0	N1	TEI4
24.008	907	-	Rel-6	F	NP-040504	N1-041738	approved	MBMS update	6.6.0	6.7.0	N1	MBMS
24.008	908	2	Rel-6	C	NP-040504	N1-041739	approved	NSAPI at MBMS context activation	6.6.0	6.7.0	N1	MBMS
24.008	910	2	Rel-6	F	NP-040514	N1-042119	approved	Correction of terminology -GSM and UMTS	6.6.0	6.7.0	N1	TEI6
24.008	911	1	Rel-6	F	NP-040514	N1-042064	approved	Paging for GPRS Services in GSM	6.6.0	6.7.0	N1	TEI6
24.008	912	1	Rel-6	F	NP-040514	N1-042050	approved	Service request conditions	6.6.0	6.7.0	N1	TEI6
24.008	913	1	Rel-6	F	NP-040514	N1-042070	approved	Service request - Abnormal cases in the MS	6.6.0	6.7.0	N1	TEI6
24.008	914	2	Rel-6	F	NP-040514	N1-042121	approved	No follow on proceed indication	6.6.0	6.7.0	N1	TEI6
24.008	915	3	Rel-6	F	NP-040514	N1-042107	approved	Mobile identity - No identity	6.6.0	6.7.0	N1	TEI6
24.008	920	1	Rel-6	F	NP-040514	N1-042074	approved	Correction of the description of causes #7 and #8 in Annex G.6	6.6.0	6.7.0	N1	TEI6
24.008	921	1	Rel-6	F	NP-040514	N1-042076	approved	CC cause reference correction	6.6.0	6.7.0	N1	TEI6
24.008	922	-	Rel-6	B	NP-040510	N1-041799	approved	Addition of DTM enhancements capability	6.6.0	6.7.0	N1	PSintDTM-Reduct
24.008	923	-	Rel-6	C	NP-040514	N1-041800	approved	Handling of zero T3312 timer value	6.6.0	6.7.0	N1	TEI6
24.008	924	-	Rel-6	F	NP-040514	N1-041806	approved	Introduction of new references for DTMF	6.6.0	6.7.0	N1	TEI6
24.008	926	2	Rel-6	B	NP-040513	N1-042004	approved	Location registration in a shared network when multiple PLMNs are broadcast	6.6.0	6.7.0	N1	NTShar
24.008	927	1	Rel-6	B	NP-040513	N1-042005	approved	Reject cause ranking during rerouting in MOCN	6.6.0	6.7.0	N1	NTShar
24.030	020	1	Rel-6	F	NP-040542	N4-041682	approved	Correction of missing description for T(LCSN) and T(LCSL)	6.1.0	6.2.0	N4	LCS2
24.080	038	-	Rel-6	F	NP-040542	N4-041352	approved	Correction of setting for timer T(LCSL)	6.1.0	6.2.0	N4	LCS2
24.080	040	1	Rel-4	F	NP-040522	N4-041664	approved	Sequence numbering for SS via PS	4.3.1	4.4.0	N4	TEI4
24.080	041	1	Rel-5	A	NP-040522	N4-041665	approved	Sequence numbering for SS via PS	5.4.0	5.5.0	N4	TEI4
24.080	042	1	Rel-6	A	NP-040522	N4-041666	approved	Sequence numbering for SS via PS	6.1.0	6.2.0	N4	TEI4
24.109	001	1	Rel-6	F	NP-040511	N1-042049	approved	Corrections and clarifications to clause 4 and example flows	6.0.0	6.1.0	N1	SEC1-SC
24.109	002	1	Rel-6	F	NP-040511	N1-042054	approved	Corrections and clarifications to clause 5 and example flows	6.0.0	6.1.0	N1	SEC1-SC
24.109	003	1	Rel-6	F	NP-040511	N1-042051	approved	Update of Authentication Proxy Procedures	6.0.0	6.1.0	N1	SEC1-SC
24.109	005	-	Rel-6	F	NP-040511	N1-041783	approved	Clarification of Ua usage	6.0.0	6.1.0	N1	SEC1-SC
24.109	006	1	Rel-6	F	NP-040511	N1-042057	approved	Correction of User Agent Header	6.0.0	6.1.0	N1	SEC1-SC
24.109	007	1	Rel-6	B	NP-040511	N1-042055	approved	B-TID transfer	6.0.0	6.1.0	N1	SEC1-SC
24.109	008	1	Rel-6	B	NP-040511	N1-042058	approved	AP signalling flow example	6.0.0	6.1.0	N1	SEC1-SC
24.109	009	1	Rel-6	C	NP-040512	N1-042059	approved	Authorization flag transfer between AP and AS	6.0.0	6.1.0	N1	SEC1-SC
24.109	010	1	Rel-6	D	NP-040511	N1-042056	approved	Editorials	6.0.0	6.1.0	N1	SEC1-SC
24.141	019	1	Rel-6	F	NP-040503	N1-041974	approved	Clarifications to Ut	6.1.0	6.2.0	N1	PRESNC
24.141	020	-	Rel-6	F	NP-040503	N1-041696	approved	Alignment between PUA and watcher for draft-ietf-geopriv-pidf-lo-01	6.1.0	6.2.0	N1	PRESNC
24.141	021	-	Rel-6	F	NP-040503	N1-041772	revised	Introduction of XCAP client and XCAP server	6.1.0		N1	PRESNC
24.141	021	1	Rel-6	F	NP-040593	-	revised	Introduction of XCAP client and XCAP server	6.1.0		N1	PRESNC

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24.141	021	2	Rel-6	F	NP-040599	-	approved	Introduction of XCAP client and XCAP server	6.1.0	6.2.0	N1	PRESNC
24.141	021	2	Rel-6	F	NP-040593	-	revised	Introduction of XCAP client and XCAP server	6.1.0		N1	PRESNC
24.141	022	1	Rel-6	F	NP-040503	N1-041971	approved	Correction of XCAP change flow	6.1.0	6.2.0	N1	PRESNC
24.141	023	-	Rel-6	F	NP-040503	N1-041774	approved	Delete Authentication Proxy Requirements	6.1.0	6.2.0	N1	PRESNC
24.141	024	1	Rel-6	F	NP-040503	N1-041972	approved	Aligning Presence data model with IETF	6.1.0	6.2.0	N1	PRESNC
24.141	025	1	Rel-6	F	NP-040503	N1-042006	approved	IETF reference update (SIP specific parts)	6.1.0	6.2.0	N1	PRESNC
24.141	026	1	Rel-6	F	NP-040503	N1-041993	approved	IETF reference update (XCAP)	6.1.0	6.2.0	N1	PRESNC
24.141	027	1	Rel-6	F	NP-040503	N1-041992	approved	Updates to Partial publication	6.1.0	6.2.0	N1	PRESNC
24.141	028	1	Rel-6	F	NP-040503	N1-041973	approved	Correction to Watcher Information message flow	6.1.0	6.2.0	N1	PRESNC
24.141	030	1	Rel-6	C	NP-040503	N1-041974	approved	Preventing loop in RLS subscriptions	6.1.0	6.2.0	N1	PRESNC
24.141	032	-	Rel-6	F	NP-040503	N1-041880	approved	Filter criteria update	6.1.0	6.2.0	N1	PRESNC
24.147	001	-	Rel-6	C	NP-040505	N1-041708	approved	Removing editor's note on other protocols	6.0.0	6.1.0	N1	IMS2
24.147	007	-	Rel-6	F	NP-040505	N1-041760	approved	Alternative procedure for removing all conference participants	6.0.0	6.1.0	N1	IMS2
24.147	008	1	Rel-6	F	NP-040505	N1-041979	approved	Update of SIP Chapter to new CPCP terminology	6.0.0	6.1.0	N1	IMS2
24.147	009	-	Rel-6	F	NP-040505	N1-041762	approved	Update of CPCP Chapter	6.0.0	6.1.0	N1	IMS2
24.147	010	1	Rel-6	F	NP-040505	N1-041980	approved	Removal of "Conference Notification Service" Role	6.0.0	6.1.0	N1	IMS2
24.147	011	1	Rel-6	F	NP-040505	N1-041981	approved	Update of signaling flows	6.0.0	6.1.0	N1	IMS2
24.147	012	1	Rel-6	B	NP-040505	N1-041982	approved	Introduction of XCAP Change	6.0.0	6.1.0	N1	IMS2
24.147	013	1	Rel-6	F	NP-040505	N1-041983	approved	Correction of BFCP clause	6.0.0	6.1.0	N1	IMS2
24.147	016	1	Rel-6	F	NP-040505	N1-041985	approved	Correction Flow Adding a user to the conference with CPCP	6.0.0	6.1.0	N1	IMS2
24.147	017	1	Rel-6	F	NP-040505	N1-041986	approved	Correction - Flow "conference creation with CPCP"	6.0.0	6.1.0	N1	IMS2
24.147	018	1	Rel-6	F	NP-040505	N1-041987	approved	Correction expelling/terminating flow using CPCP	6.0.0	6.1.0	N1	IMS2
24.147	019	-	Rel-6	F	NP-040505	N1-041790	approved	p-asserted id in response from conf AS/MRFC	6.0.0	6.1.0	N1	IMS2
24.228	136	-	Rel-5	F	NP-040502	N1-041967	approved	Interaction between S-CSCF and HSS in Network initiated deregistration procedure	5.10.0	5.11.0	N1	IMS-CCR
24.229	651	4	Rel-6	F	NP-040506	N1-042031	approved	Downloading the user profile based on User-Data-Request-Type	6.4.0	6.5.0	N1	IMS2
24.229	703	2	Rel-6	F	NP-040506	N1-042095	approved	SDP Encryption	6.4.0	6.5.0	N1	IMS2
24.229	704	1	Rel-6	F	NP-040506	N1-042019	approved	RTCP streams	6.4.0	6.5.0	N1	IMS2
24.229	709	-	Rel-6	F	NP-040506	N1-041725	approved	Contact in 200(OK) response	6.4.0	6.5.0	N1	IMS2
24.229	710	1	Rel-6	F	NP-040506	N1-042020	approved	P-Access-Network-Info header	6.4.0	6.5.0	N1	IMS2
24.229	711	1	Rel-6	F	NP-040506	N1-041954	approved	P-Called-Party-ID header	6.4.0	6.5.0	N1	IMS2
24.229	713	1	Rel-6	F	NP-040506	N1-042021	approved	IMS-ALG routing	6.4.0	6.5.0	N1	IMS2
24.229	714	1	Rel-6	F	NP-040506	N1-042022	approved	Public User Identity	6.4.0	6.5.0	N1	IMS2
24.229	715	1	Rel-6	F	NP-040506	N1-042023	approved	"Pres" and "im" URIs	6.4.0	6.5.0	N1	IMS2
24.229	722	1	Rel-5	F	NP-040502	N1-041955	approved	Correction Term IOI handling	5.10.0	5.11.0	N1	IMS-CCR

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24.229	723	1	Rel-6	A	NP-040502	N1-041956	approved	Correction Term IOI handling	6.4.0	6.5.0	N1	IMS-CCR
24.229	724	1	Rel-5	F	NP-040502	N1-041957	approved	Request handling in S-CSCF originating case	5.10.0	5.11.0	N1	IMS-CCR
24.229	725	1	Rel-6	A	NP-040502	N1-041958	APPROVED	Request handling in S-CSCF originating case	6.4.0	6.5.0	N1	IMS-CCR
24.229	726	1	Rel-5	F	NP-040502	N1-041959	approved	Request handling in S-CSCF - terminating case	5.10.0	5.11.0	N1	IMS-CCR
24.229	727	1	Rel-6	A	NP-040502	N1-041960	approved	Request handling in S-CSCF - terminating case	6.4.0	6.5.0	N1	IMS-CCR
24.229	728	-	Rel-6	F	NP-040506	N1-041797	approved	SBLP and non-realtime PDP contexts	6.4.0	6.5.0	N1	IMS2
24.229	730	2	Rel-6	F	NP-040590	N1-042085	approved	Reference updates	6.4.0	6.5.0	N1	IMS2
24.229	730	2	Rel-6	F	NP-040507	N1-042085	withdrawn	Reference updates	6.4.0		N1	IMS2
24.229	733	3	Rel-6	F	NP-040507	N1-042117	withdrawn	Support for extended SigComp	6.4.0		N1	IMS2
24.229	733	3	Rel-6	F	NP-040590	N1-042117	approved	Support for extended SigComp	6.4.0	6.5.0	N1	IMS2
24.229	734	2	Rel-6	F	NP-040507	N1-042120	withdrawn	Correction to subclause 5.1.3 of TS 24,229	6.4.0		N1	IMS2
24.229	734	2	Rel-6	F	NP-040590	N1-042120	approved	Correction to subclause 5.1.3 of TS 24,229	6.4.0	6.5.0	N1	IMS2
24.229	735	1	Rel-6	F	NP-040507	N1-042084	withdrawn	Correction to subclause 5.1.4.1.2.3 of TS 24,.229	6.4.0		N1	IMS2
24.229	735	1	Rel-6	F	NP-040590	N1-042084	approved	Correction to subclause 5.1.4.1.2.3 of TS 24,.229	6.4.0	6.5.0	N1	IMS2
24.229	737	1	Rel-5	F	NP-040502	N1-041961	approved	Population of Via header when using REGISTER method	5.10.0	5.11.0	N1	IMS-CCR
24.229	738	1	Rel-6	A	NP-040502	N1-041962	approved	Population of Via header when using REGISTER method	6.4.0	6.5.0	N1	IMS-CCR
24.229	739	-	Rel-6	C	NP-040507	N1-041869	withdrawn	Tel-URI related reference updates	6.4.0		N1	IMS2
24.229	739	-	Rel-6	C	NP-040590	N1-041869	APPROVED	Tel-URI related reference updates	6.4.0	6.5.0	N1	IMS2
24.229	741	1	Rel-6	C	NP-040590	N1-042086	approved	Throttling	6.4.0	6.5.0	N1	IMS2
24.229	741	1	Rel-6	C	NP-040507	N1-042086	withdrawn	Throttling	6.4.0		N1	IMS2
24.229	742	-	Rel-6	D	NP-040507	N1-041881	withdrawn	Editorial correction resulting from CR665	6.4.0		N1	IMS2
24.229	742	-	Rel-6	D	NP-040590	N1-041881	approved	Editorial correction resulting from CR665	6.4.0	6.5.0	N1	IMS2
24.229	743	-	Rel-6	F	NP-040590	N1-041882	approved	Unprotected REGISTER corrections	6.4.0	6.5.0	N1	IMS2
24.229	743	-	Rel-6	F	NP-040507	N1-041882	withdrawn	Unprotected REGISTER corrections	6.4.0		N1	IMS2
24.229	744	1	Rel-6	F	NP-040507	N1-042087	withdrawn	Corrections to receiving SDP offer in 200 (OK) response	6.4.0		N1	IMS2
24.229	744	1	Rel-6	F	NP-040590	N1-042087	APPROVED	Corrections to receiving SDP offer in 200 (OK) response	6.4.0	6.5.0	N1	IMS2
24.229	745	1	Rel-6	F	NP-040507	N1-042085	withdrawn	Privacy corrections	6.4.0		N1	IMS2
24.229	745	1	Rel-6	F	NP-040590	N1-042085	approved	Privacy corrections	6.4.0	6.5.0	N1	IMS2
24.229	747	2	Rel-6	F	NP-040590	N1-042105	approved	Syntax of the P-Charging-Vector	6.4.0	6.5.0	N1	IMS2
24.229	747	2	Rel-6	F	NP-040507	N1-042105	withdrawn	Syntax of the P-Charging-Vector	6.4.0		N1	IMS2
24.229	752	2	Rel-6	F	NP-040590	N1-042106	approved	Unavailability of the access-network-charging-info when the session is established without SBLP	6.4.0	6.5.0	N1	IMS2
24.229	752	2	Rel-6	F	NP-040507	N1-042106	withdrawn	Unavailability of the access-network-charging-info when the session is established without SBLP	6.4.0		N1	IMS2
24.229	753	1	Rel-6	F	NP-040507	N1-042089	withdrawn	SIP messages carrying the access-network-charging-info for sessions without preconditions	6.4.0		N1	IMS2

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24.229	753	1	Rel-6	F	NP-040590	N1-042089	approved	SIP messages carrying the access-network-charging-info for sessions without preconditions	6.4.0	6.5.0	N1	IMS2
24.229	754	1	Rel-5	F	NP-040502	N1-041900	approved	Network-initiated deregistration for the old contact information of a roaming UE registered in a new network	5.10.0	5.11.0	N1	IMS-CCR
24.229	755	1	Rel-6	F	NP-040507	N1-042090	withdrawn	Network-initiated deregistration for multiple UEs sharing the same user public identity and for the old contact information of a roaming UE registered in a new network	6.4.0		N1	IMS2
24.229	755	1	Rel-6	F	NP-040590	N1-042090	approved	Network-initiated deregistration for multiple UEs sharing the same user public identity and for the old contact information of a roaming UE registered in a new network	6.4.0	6.5.0	N1	IMS2
24.229	764	1	Rel-5	F	NP-040502	N1-041965	approved	Interaction between S-CSCF and HSS in Network initiated deregistration procedure	5.10.0	5.11.0	N1	IMS-CCR
24.229	765	1	Rel-6	A	NP-040502	N1-041966	approved	Interaction between S-CSCF and HSS in Network initiated deregistration procedure	6.4.0	6.5.0	N1	IMS-CCR
24.229	767	1	Rel-5	F	NP-040502	N1-0421102	approved	Downloading of user profile	5.10.0	5.11.0	N1	IMS-CCR
24.229	768	1	Rel-6	A	NP-040502	N1-042103	approved	Downloading of user profile	6.4.0	6.5.0	N1	IMS-CCR
24.234	001	1	Rel-6	F	NP-040508	N1-042035	APPROVED	Alignment of the WLAN identities' lists	6.0.0	6.1.0	N1	WLAN
24.234	002	1	Rel-6	F	NP-040508	N1-042036	approved	I-WLAN Parameters coding –Pseudonym and re-authentication identity	6.0.0	6.1.0	N1	WLAN
24.234	003	2	Rel-6	F	NP-040508	N1-042112	approved	References clean-up	6.0.0	6.1.0	N1	WLAN
24.234	004	1	Rel-6	F	NP-040508	N1-042060	approved	Introduction of protected result indications	6.0.0	6.1.0	N1	WLAN
24.234	006	-	Rel-6	F	NP-040508	N1-041734	approved	Removal of the PDG Redirection feature	6.0.0	6.1.0	N1	WLAN
24.234	008	1	Rel-6	F	NP-040508	N1-042034	approved	Restructuring of clause 5	6.0.0	6.1.0	N1	WLAN
24.234	009	1	Rel-6	D	NP-040508	N1-042040	approved	Cleaning of Editors Notes	6.0.0	6.1.0	N1	WLAN
24.234	011	2	Rel-6	B	NP-040508	N1-042113	approved	Timers in Scenario 3	6.0.0	6.1.0	N1	WLAN
24.234	014	1	Rel-6	D	NP-040508	N1-042044	approved	Editorial change to chapter 8	6.0.0	6.1.0	N1	WLAN
24.234	015	4	Rel-6	B	NP-040509	N1-042109	rejected	PLMN Selection for WLAN	6.0.0		N1	WLAN
29.002	740	2	Rel-6	C	NP-040535	N4-041641	approved	SMS Fraud countermeasures	6.7.0	6.8.0	N4	TEI6
29.002	746	1	Rel-6	B	NP-040534	N4-041662	approved	Introducing VGCS/VBS ciphering	6.7.0	6.8.0	N4	SECGKYV
29.002	747	-	Rel-6	F	NP-040542	N4-041272	approved	Incorrect Implementation of CR 731	6.7.0	6.8.0	N4	LCS2
29.002	748	1	Rel-6	F	NP-040542	N4-041684	approved	LCS Capability Handling for UE's	6.7.0	6.8.0	N4	LCS2
29.002	752	-	Rel-6	F	NP-040546	N4-041477	approved	Correction to the service response parameters of ATI	6.7.0	6.8.0	N4	TEI6
29.002	753	1	Rel-6	F	NP-040542	N4-041685	approved	Enable NA-ESRD Provision from a GMLC for E911 Location in North America	6.7.0	6.8.0	N4	LCS2
29.002	757	2	Rel-6	F	NP-040546	N4-041683	approved	Clarification about returning authentication data for a UMTS subscriber	6.7.0	6.8.0	N4	TEI
29.007	106	2	Rel-6	B	NP-040587	N3-040885	approved	Transfer of information from TR 23.910	5.10.0	6.0.0	N3	[new WID]
29.060	513	1	Rel-6	F	NP-040545	N4-041677	approved	Clarification on the usage of the Alternative GGSN Address	6.6.0	6.7.0	N4	TEI6

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29.060	514	1	Rel-6	F	NP-040540	N4-041657	approved	Addition of IEs to MBMS Session Start Request message	6.6.0	6.7.0	N4	MBMS
29.060	515	1	Rel-6	F	NP-040540	N4-041658	approved	Introduction of MBMS support indication between SGSNs	6.6.0	6.7.0	N4	MBMS
29.060	519	1	Rel-5	F	NP-040526	N4-041659	approved	Additional support of IPv4 and IPv6 node addresses in create PDP context procedure	5.11.0	5.12.0	N4	TEI5
29.060	520	1	Rel-6	F	NP-040526	N4-041660	approved	Additional support of IPv4 and IPv6 node addresses in create PDP and MBMS context procedures	6.6.0	6.7.0	N4	TEI6
29.060	524	-	Rel-6	F	NP-040540	N4-041452	approved	GTP-C tunnel for MBMS broadcast	6.6.0	6.7.0	N4	MBMS
29.061	128	1	Rel-6	F	NP-040585	N3-040685	revised	Gmb. Table with reused AVPs	6.2.0		N3	MBMS
29.061	129	-	Rel-6	F	NP-040585	N3-040634	revised	Gmb. New AVP to indicate Multicast or Broadcast service	6.2.0		N3	MBMS
29.061	130	1	Rel-6	F	NP-040585	N3-040686	revised	Gmb. Correction to the Result-Code AVP	6.2.0		N3	MBMS
29.061	131	1	Rel-6	F	NP-040585	N3-040687	revised	Gmb. General corrections and clarification on the use of RAR	6.2.0		N3	MBMS
29.061	133	-	Rel-6	F	NP-040585	N3-040731	revised	Gmb. Update of AVPs codes and permanent failures codes.	6.2.0		N3	MBMS
29.061	134	-	Rel-6	F	NP-040585	N3-040732	revised	Gmb. Serving Network identity	6.2.0		N3	MBMS
29.061	137	3	Rel-6	F	NP-040591	N3-040869	approved	Prevention of IP spoofing	6.2.0	6.3.0	N3	TE16
29.061	138	1	Rel-6	B	NP-040615	N3-040847	approved	RADIUS Enhancements on the Gi interface for QoS information (Negotiated DSCP)	6.2.0	6.3.0	N3	TEI6
29.061	138	1	Rel-6	B	NP-040584	N3-040847	revised	RADIUS Enhancements on the Gi interface for QoS information (Negotiated DSCP)	6.2.0		N3	TEI6
29.061	139	1	Rel-6	B	NP-040584	N3-040846	revised	RADIUS Enhancements on the Gi interface to enable QoS correlation (Packet Filters)	6.2.0		N3	TEI6
29.061	139	1	Rel-6	B	NP-040615	N3-040846	approved	RADIUS Enhancements on the Gi interface to enable QoS correlation (Packet Filters)	6.2.0	6.3.0	N3	TEI6
29.061	140	-	Rel-6	F	NP-040616	-	approved	Gmb interface. Corrections, addition of missing AVPs and code values assignation.	6.2.0	6.3.0	N3	MBMS
29.078	390	-	Rel-6	F	NP-040544	N4-041422	approved	Correction of wrong TS numbers in references	6.3.0	6.4.0	N4	TEI6
29.109	001	-	Rel-6	B	NP-040580	N4-041316	approved	Authorization Flag Code Annex	6.0.0	6.1.0	N4	SEC1-SC
29.109	002	-	Rel-6	D	NP-040580	N4-041317	approved	Finalization of GAA Service Identifier	6.0.0	6.1.0	N4	SEC1-SC
29.109	003	1	Rel-6	B	NP-040580	N4-041609	approved	BSF control information (bsfInfo) tag to GUSS	6.0.0	6.1.0	N4	SEC1-SC
29.109	005	-	Rel-6	B	NP-040580	N4-041320	approved	Structure to GAA Service Indentifier	6.0.0	6.1.0	N4	SEC1-SC
29.109	006	1	Rel-6	D	NP-040580	N4-041321	approved	Finalisation of terminology	6.0.0	6.1.0	N4	SEC1-SC
29.109	008	1	Rel-6	B	NP-040580	N4-041614	approved	Command codes 310 and 311 for Zh and Zh message	6.0.0	6.1.0	N4	SEC1-SC
29.109	009	-	Rel-6	B	NP-040580	N4-041500	approved	Introduction of NAF groups	6.0.0	6.1.0	N4	SEC1-SC
29.163	054	3	Rel-6	F	NP-040582	N3-040873	approved	Mapping of continuity signal	6.4.0	6.5.0	N3	IMS-CCR-IWCS
29.163	056	1	Rel-6	F	NP-040582	N3-040834	approved	Corrections to EFR codec parameters	6.4.0	6.5.0	N3	IMS-CCR-IWCS
29.163	057	2	Rel-6	C	NP-040582	N3-040859	approved	DTMF towards IM CN subsystem	6.4.0	6.5.0	N3	IMS-CCR-

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												IWCS
29.163	058	2	Rel-4	F	NP-040583	N3-040874	approved	Clarifications for Mn procedures for call hold	6.4.0	4.0.0	N3	IMS-CCR-IWCS
29.163	059	-	Rel-6	D	NP-040582	N3-040792	approved	Editorial mistake in Table 12	6.4.0	6.5.0	N3	IMS-CCR-IWCS
29.198-01	039	-	Rel-5	F	NP-040485	N5-040831	approved	Removal of OSA API SCFs description in W3C WSDL	5.7.0	5.8.0	N5	OSA2
29.198-01	040	-	Rel-6	A	NP-040485	N5-040844	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-02	048	-	Rel-6	F	NP-040486	N5-040789	approved	Correct the Exception Hierarchy Annex to include new exceptions used in MultiMediaMessaging SCF	6.2.0	6.3.0	N5	OSA3
29.198-02	049	-	Rel-5	F	NP-040485	N5-040832	approved	Removal of OSA API SCFs description in W3C WSDL	5.8.0	5.9.0	N5	OSA2
29.198-02	050	-	Rel-6	A	NP-040485	N5-040845	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-03	127	-	Rel-5	F	NP-040485	N5-040833	approved	Removal of OSA API SCFs description in W3C WSDL	5.8.0	5.9.0	N5	OSA2
29.198-03	128	-	Rel-6	A	NP-040485	N5-040846	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-04	071	-	Rel-4	F	NP-040483	N5-040718	approved	Correct Behaviour of CallBack sequence and timing	4.10.0	4.11.0	N5	OSA1
29.198-04-1	015	-	Rel-5	F	NP-040485	N5-040834	approved	Removal of OSA API SCFs description in W3C WSDL	5.7.0	5.8.0	N5	OSA2
29.198-04-1	016	-	Rel-6	A	NP-040485	N5-040847	approved	Removal of OSA API SCFs description in W3C WSDL	6.3.0	6.4.0	N5	OSA2
29.198-04-2	025	-	Rel-5	A	NP-040483	N5-040719	approved	Correct Behaviour of CallBack sequence and timing	5.8.0	5.9.0	N5	OSA1
29.198-04-2	026	-	Rel-6	A	NP-040483	N5-040721	approved	Correct Behaviour of CallBack sequence and timing	6.2.0	6.3.0	N5	OSA1
29.198-04-2	027	-	Rel-6	F	NP-040486	N5-040723	approved	Correct GCC for Multiservice Network Support	6.2.0	6.3.0	N5	OSA3
29.198-04-2	028	-	Rel-5	F	NP-040485	N5-040835	approved	Removal of OSA API SCFs description in W3C WSDL	5.8.0	5.9.0	N5	OSA2
29.198-04-2	029	-	Rel-6	A	NP-040485	N5-040848	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-04-3	032	-	Rel-5	A	NP-040483	N5-040720	approved	Correct Behaviour of CallBack sequence and timing	5.8.0	5.9.0	N5	OSA1
29.198-04-3	033	-	Rel-6	A	NP-040483	N5-040722	approved	Correct Behaviour of CallBack sequence and timing	6.3.0	6.4.0	N5	OSA1

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29.198-04-3	034	-	Rel-5	F	NP-040485	N5-040836	approved	Removal of OSA API SCFs description in W3C WSDL	5.8.0	5.9.0	N5	OSA2
29.198-04-3	035	-	Rel-6	A	NP-040485	N5-040849	approved	Removal of OSA API SCFs description in W3C WSDL	6.3.0	6.4.0	N5	OSA2
29.198-04-4	022	-	Rel-5	F	NP-040485	N5-040837	approved	Removal of OSA API SCFs description in W3C WSDL	5.8.0	5.9.0	N5	OSA2
29.198-04-4	023	-	Rel-6	A	NP-040485	N5-040850	approved	Removal of OSA API SCFs description in W3C WSDL	6.3.0	6.4.0	N5	OSA2
29.198-05	059	-	Rel-4	F	NP-040484	N5-040781	approved	Clarification of the functionality provided by recordMessageReq() method	4.9.0	4.10.0	N5	OSA1
29.198-05	060	-	Rel-5	A	NP-040484	N5-040782	approved	Clarification of the functionality provided by recordMessageReq() method	5.8.0	5.9.0	N5	OSA1
29.198-05	061	-	Rel-6	A	NP-040484	N5-040783	approved	Clarification of the functionality provided by recordMessageReq() method	6.2.0	6.3.0	N5	OSA1
29.198-05	062	-	Rel-5	F	NP-040485	N5-040838	approved	Removal of OSA API SCFs description in W3C WSDL	5.8.0	5.9.0	N5	OSA2
29.198-05	063	-	Rel-6	A	NP-040485	N5-040851	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-06	052	-	Rel-5	F	NP-040485	N5-040839	approved	Removal of OSA API SCFs description in W3C WSDL	5.6.0	5.7.0	N5	OSA2
29.198-06	053	-	Rel-6	A	NP-040485	N5-040852	approved	Removal of OSA API SCFs description in W3C WSDL	6.3.0	6.4.0	N5	OSA2
29.198-07	032	-	Rel-5	F	NP-040485	N5-040840	approved	Removal of OSA API SCFs description in W3C WSDL	5.7.0	5.8.0	N5	OSA2
29.198-07	033	-	Rel-6	A	NP-040485	N5-040853	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-08	038	-	Rel-5	F	NP-040485	N5-040841	approved	Removal of OSA API SCFs description in W3C WSDL	5.7.0	5.8.0	N5	OSA2
29.198-08	039	-	Rel-6	A	NP-040485	N5-040854	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-11	033	-	Rel-5	F	NP-040485	N5-040842	approved	Removal of OSA API SCFs description in W3C WSDL	5.6.0	5.7.0	N5	OSA2
29.198-11	034	-	Rel-6	A	NP-040485	N5-040855	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-12	034	-	Rel-5	F	NP-040485	N5-040843	approved	Removal of OSA API SCFs description in W3C WSDL	5.7.0	5.8.0	N5	OSA2
29.198-12	035	-	Rel-6	A	NP-040485	N5-040856	approved	Removal of OSA API SCFs description in W3C WSDL	6.2.0	6.3.0	N5	OSA2
29.198-15	001	-	Rel-6	F	NP-040485	N5-040857	approved	Removal of OSA API SCFs description in W3C WSDL	6.0.0	6.1.0	N5	OSA3

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29.199-04	001	-	Rel-6	B	NP-040487	N5-040878	approved	Add SmsNotificationManager interface to PXWS Short-Messaging	6.0.0	6.1.0	N5	OSA3
29.199-04	002	-	Rel-6	B	NP-040487	N5-040880	revised	Add Notification Delivery Reception to PXWS SMS	6.0.0		N5	OSA3
29.199-04	002	1	Rel-6	B	NP-040609	-	approved	Add Notification Delivery Reception to PXWS SMS	6.0.0	6.1.0	N5	OSA3
29.199-04	002	1	Rel-6	B	NP-040609	-	approved	Add Notification Delivery Reception to PXWS SMS	6.0.0	6.1.0	N5	OSA3
29.199-05	001	-	Rel-6	B	NP-040487	N5-040879	approved	Add MessageNotificationManager interface to PXWS Multimedia-Messaging	6.0.0	6.1.0	N5	OSA3
29.199-09	001	-	Rel-6	C	NP-040487	N5-040784	approved	Add PXWS Terminal Location Tracking Accuracy	6.0.0	6.1.0	N5	OSA3
29.199-14	001	-	Rel-6	F	NP-040487	N5-040871	approved	Correct the Presence WSDL source code	6.0.0	6.1.0	N5	OSA3
29.207	138	2	Rel-6	F	NP-040560	N3-040863	approved	SBLP and non-realtime PDP Contexts	6.1.0	6.2.0	N3	TEI6
29.207	142	3	Rel-6	F	NP-040560	N3-040894	approved	QoS procedure at session release	6.1.0	6.2.0	N3	TEI6
29.208	074	3	Rel-6	F	NP-040586	N3-040825	approved	Correcting Mapping Table[Update to existing CR 074 against 29.208]	6.1.0	6.2.0	N3	QoS1
29.208	075	2	Rel-6	F	NP-040586	N3-040700	approved	Clarification on Mapping Table 7.1.1.1	6.1.0	6.2.0	N3	QoS1
29.208	076	3	Rel-6	C	NP-040586	N3-040895	approved	Allowing the use of Application identifier for IMS	6.1.0	6.2.0	N3	QoS1
29.208	077	1	Rel-5	F	NP-040555	N3-040814	approved	Authorize QoS resources with no generation of authorization token at session modification	5.8.0	5.9.0	N3	E2EQoS
29.208	081	1	Rel-5	F	NP-040555	N3-040815	approved	Removal of QoS commit for session modification	5.8.0	5.9.0	N3	E2EQoS
29.208	082	3	Rel-6	A	NP-040555	N3-040893	approved	Removal of QoS commit for session modification	6.1.0	6.2.0	N3	E2EQoS
29.208	089	1	Rel-5	F	NP-040555	N3-040864	approved	Modification of PDP contexts	5.8.0	5.9.0	N3	E2EQoS
29.208	090	1	Rel-6	A	NP-040555	N3-040865	approved	Modification of PDP contexts	6.1.0	6.2.0	N3	E2EQoS
29.209	001	1	Rel-6	F	NP-040586	N3-040678	approved	semantics of updated Flow-Description AVP(s)	6.0.0	6.1.0	N3	QoS1
29.209	002	1	Rel-6	F	NP-040586	N3-040679	approved	Flow grouping AVPs in modified service information	6.0.0	6.1.0	N3	QoS1
29.209	003	1	Rel-6	F	NP-040586	N3-040680	approved	Smaller corrections to avoid misinterpretations	6.0.0	6.1.0	N3	QoS1
29.209	008	3	Rel-6	F	NP-040586	N3-040897	approved	Resource reservation at PDF	6.0.0	6.1.0	N3	QoS1
29.209	009	1	Rel-6	F	NP-040586	N3-040896	approved	Bandwidth attributes	6.0.0	6.1.0	N3	QoS1
29.209	010	1	Rel-6	D	NP-040586	N3-040890	approved	Modification to Gq protocols to make it more generic	6.0.0	6.1.0	N3	QoS1
29.228	137	1	Rel-5	F	NP-040523	N4-041561	approved	HSS initiated deregistration with "not registered" registration state	5.9.0	5.10.0	N4	IMS-CCR
29.228	138	1	Rel-6	A	NP-040523	N4-041562	approved	HSS initiated deregistration with "not registered" registration state	6.4.0	6.5.0	N4	IMS-CCR
29.228	140	1	Rel-6	F	NP-040530	N4-041563	approved	HSS initiated deregistration with user profile removal for permanent termination	6.4.0	6.5.0	N4	IMS2-CCR
29.228	141	2	Rel-5	F	NP-040523	N4-041647	approved	HSS initiated deregistration using the network initiated de-registration procedure	5.9.0	5.10.0	N4	IMS-CCR

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29.228	142	2	Rel-6	A	NP-040523	N4-041648	approved	HSS initiated deregistration using the network initiated de-registration procedure	6.4.0	6.5.0	N4	IMS-CCR
29.228	146	1	Rel-6	F	NP-040530	N4-041458	approved	Clarification of R6 authentication scheme	6.4.0	6.5.0	N4	IMS2-CCR
29.228	149	-	Rel-5	F	NP-040523	N4-041341	approved	Regular Expressions	5.9.0	5.10.0	N4	IMS-CCR
29.228	150	-	Rel-6	A	NP-040523	N4-041342	approved	Regular Expressions	6.4.0	6.5.0	N4	IMS-CCR
29.228	155	-	Rel-6	F	NP-040530	N4-041458	approved	Correction to XML Root Element	6.4.0	6.5.0	N4	IMS2-CCR
29.228	156	1	Rel-6	F	NP-040530	N4-041459	approved	Modification of User-Data-Already-Available in SAR command	6.4.0	6.5.0	N4	IMS2-CCR
29.228	159	2	Rel-6	F	NP-040523	N4-041566	approved	Handling of Information Element marked as (M), (C) or (O)	6.4.0	6.5.0	N4	IMS-CCR
29.228	160	2	Rel-5	F	NP-040523	N4-041565	approved	Handling of Information Element marked as (M), (C) or (O)	5.9.0	5.10.0	N4	IMS-CCR
29.229	069	-	Rel-5	F	NP-040523	N4-041343	approved	Cx ABNF corrections	5.8.0	5.9.0	N4	IMS-CCR
29.229	070	-	Rel-6	A	NP-040523	N4-041344	approved	Cx ABNF corrections	6.2.0	6.3.0	N4	IMS-CCR
29.230	006	-	Rel-6	F	NP-040579	N4-041337	approved	Inclusion of missing Cx AVPs	6.1.0	6.2.0	N4	TEI6
29.230	007	1	Rel-6	F	NP-040580	N4-041615	approved	Reservation of command codes 310 and 311	6.1.0	6.2.0	N4	SEC1-SC
29.230	009	1	Rel-6	F	NP-040579	N4-041580	approved	Addition of Gmb interface	6.1.0	6.2.0	N4	TEI6
29.230	010	1	Rel-6	C	NP-040579	N4-041654	revised	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	6.1.0		N4	CH
29.230	010	2	Rel-6	C	NP-040600	-	approved	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	6.1.0	6.2.0	N4	CH
29.230	010	2	Rel-6	C	NP-040600	-	approved	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	6.1.0	6.2.0	N4	CH
29.230	011	-	Rel-6	C	NP-040579	N4-041547	approved	Gq interface allocations	6.1.0	6.2.0	N4	TEI6
29.230	012	-	Rel-6	C	NP-040579	N4-041603	approved	Addition of Gx interface	6.1.0	6.2.0	N4	TEI6
29.232	077	-	Rel-4	F	NP-040521	N4-041309	approved	Correction of distant codec list	4.9.0	4.10.0	N4	CSSPLIT
29.232	078	-	Rel-5	A	NP-040521	N4-041310	approved	Correction of distant codec list	5.8.0	5.9.0	N4	CSSPLIT
29.232	079	-	Rel-5	F	NP-040528	N4-041333	approved	IP transport package Duplicate property ID in ASN.1 encoding	5.8.0	5.9.0	N4	TEI5
29.232	080	1	Rel-5	F	NP-040529	N4-041669	approved	H.248 Scope	5.8.0	5.9.0	N4	TEI5
29.232	081	1	Rel-5	F	NP-040529	N4-041545	approved	Q.1950 reference	5.8.0	5.9.0	N4	TEI5
29.232	082	-	Rel-5	F	NP-040529	N4-041434	approved	Embedded events	5.8.0	5.9.0	N4	TEI5
29.232	084	-	Rel-5	F	NP-040529	N4-041436	approved	Multiple streams	5.8.0	5.9.0	N4	TEI5
29.232	085	1	Rel-5	F	NP-040529	N4-041670	approved	Overspec/underspec parameters	5.8.0	5.9.0	N4	TEI5
29.232	086	2	Rel-5	F	NP-040574	-	approved	Use Of Audit Value	5.8.0	5.9.0	N4	TEI5
29.232	087	2	Rel-5	F	NP-040573	-	approved	Service Change for Failover not defined for Mc Interface	5.8.0	5.9.0	N4	TEI5
29.232	088	2	Rel-5	F	NP-040529	N4-041674	approved	Procedures and Commands – removal of unwanted commands	5.8.0	5.9.0	N4	TEI5
29.232	092	-	Rel-6	F	NP-040547	N4-041444	approved	H.248.1 Version 2	5.8.0	6.0.0	N4	TEI6
29.234	001	1	Rel-6	F	NP-040581	N4-041694	approved	PLMN advertising and selection	6.0.0	6.1.0	N4	WLAN
29.234	002	-	Rel-6	F	NP-040581	N4-041362	approved	WLAN User Profile update	6.0.0	6.1.0	N4	WLAN

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29.234	003	-	Rel-6	F	NP-040581	N4-041363	approved	Charging related data from 3GPP AAA Server to PDG	6.0.0	6.1.0	N4	WLAN
29.234	004	1	Rel-6	D	NP-040581	N4-041527	approved	3GPP WLAN IP Access parameter rename	6.0.0	6.1.0	N4	WLAN
29.234	005	1	Rel-6	F	NP-040581	N4-041577	approved	Static Remote IP address	6.0.0	6.1.0	N4	WLAN
29.234	006	-	Rel-6	D	NP-040581	N4-041366	approved	Removal of "Scenario" wording	6.0.0	6.1.0	N4	WLAN
29.234	007	-	Rel-6	D	NP-040581	N4-041367	approved	Editorial correction on Auth-Req-Type AVP	6.0.0	6.1.0	N4	WLAN
29.234	008	1	Rel-6	F	NP-040581	N4-041578	approved	Online charging failure report	6.0.0	6.1.0	N4	WLAN
29.234	009	-	Rel-6	F	NP-040581	N4-041369	approved	Rejection of Multiple WLAN connections	6.0.0	6.1.0	N4	WLAN
29.234	010	-	Rel-6	F	NP-040581	N4-041371	approved	Application-Ids on Wa, Wd, Wm and Wg	6.0.0	6.1.0	N4	WLAN
29.234	012	2	Rel-6	F	NP-040581	N4-041695	approved	Wd Interface RADIUS profile clarifications	6.0.0	6.1.0	N4	WLAN
29.234	014	2	Rel-6	F	NP-040581	N4-041696	approved	Wd RADIUS profile	6.0.0	6.1.0	N4	WLAN
29.234	015	1	Rel-6	F	NP-040581	N4-041585	approved	Addition of ABNF definitions missing onWa, Wd Wm, Wg interfaces	6.0.0	6.1.0	N4	WLAN
29.234	016	1	Rel-6	F	NP-040581	N4-041586	approved	Scenario 3 access independence	6.0.0	6.1.0	N4	WLAN
29.234	019	1	Rel-6	F	NP-040581	N4-041591	approved	Editorial Modifications	6.0.0	6.1.0	N4	WLAN
29.234	021	1	Rel-6	F	NP-040581	N4-041592	approved	Reauthentication clarification on the Wa interface	6.0.0	6.1.0	N4	WLAN
29.234	023	1	Rel-6	F	NP-040581	N4-041593	approved	To replace 'Permanent User ID' by 'User Id'	6.0.0	6.1.0	N4	WLAN
29.234	025	2	Rel-6	F	NP-040581	N4-041697	approved	To make VPLMN-Id Conditional in Wd interface	6.0.0	6.1.0	N4	WLAN
29.234	026	-	Rel-6	F	NP-040581	N4-041414	approved	Addition of calling station id in DEA. Deletion of the same from DER	6.0.0	6.1.0	N4	WLAN
29.234	028	1	Rel-6	F	NP-040581	N4-041596	approved	Editorial corrections	6.0.0	6.1.0	N4	WLAN
29.234	029	-	Rel-6	F	NP-040581	N4-041481	approved	Handling of Information Element marked as (M), (C) or (O)	6.0.0	6.1.0	N4	WLAN
29.328	097	2	Rel-6	F	NP-040531	N4-041700	approved	Removal of Notification of the Authentication Pending State	6.3.0	6.4.0	N4	IMS-CCR
29.328	101	1	Rel-6	F	NP-040531	N4-041611	approved	Sh-Pull Data Download	6.3.0	6.4.0	N4	IMS2-CCR
29.328	102	2	Rel-6	F	NP-040531	N4-041559	approved	Only One Error Required for the AS Permissions Table	6.3.0	6.4.0	N4	IMS2-CCR
29.328	103	-	Rel-6	F	NP-040531	N4-041464	approved	Default Handling of Error Cases	6.3.0	6.4.0	N4	IMS2-CCR
29.328	104	-	Rel-6	A	NP-040578	N4-041465	approved	Access Key for Charging Information	6.3.0	6.4.0	N4	IMS-CCR
29.328	108	2	Rel-6	F	NP-040578	N4-041568	approved	Handling of Information Element marked as (M), (C) or (O)	6.3.0	6.4.0	N4	IMS-CCR
29.328	109	2	Rel-5	F	NP-040578	N4-041567	approved	Handling of Information Element marked as (M), (C) or (O)	5.7.0	5.8.0	N4	IMS-CCR
29.328	110	-	Rel-5	F	NP-040578	N4-041560	approved	Access Key for Charging Information	5.7.0	5.8.0	N4	IMS-CCR
29.329	052	-	Rel-5	F	NP-040578	N4-041345	approved	Sh ABNF corrections	5.7.0	5.8.0	N4	IMS-CCR
29.329	053	-	Rel-6	A	NP-040578	N4-041346	approved	Sh ABNF corrections	6.2.0	6.3.0	N4	IMS-CCR
43.068	021	1	Rel-6	C	NP-040515	N1-042061	approved	Addition of VGCS reconfiguration procedure	6.2.0	6.3.0	N1	TEI6
43.068	022	2	Rel-6	F	NP-040515	N1-042075	approved	Group Call Reference handling by the MSC during VGCS call establishment	6.2.0	6.3.0	N1	TEI6
43.068	023	-	Rel-6	F	NP-040515	N1-041768	approved	Notification Response procedure	6.2.0	6.3.0	N1	TEI6
43.068	024	-	Rel-6	F	NP-040515	N1-041769	approved	Clarification on Immediate Setup procedure	6.2.0	6.3.0	N1	TEI6
43.068	027	-	Rel-6	B	NP-040515	N1-041803	approved	USIM based ciphering on dedicated channels	6.2.0	6.3.0	N1	TEI6

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	CR written to	Resulting vers	WG	Workitem
43.069	015	1	Rel-6	B	NP-040515	N1-042077	approved	USIM based ciphering on dedicated channels	6.0.0	6.1.0	N1	TEI6
43.069	016	1	Rel-6	F	NP-040515	N1-042042	approved	Broadcast call reference handling by the MSC during VBS call establishment	6.0.0	6.1.0	N1	TEI6
43.069	017	-	Rel-6	F	NP-040515	N1-041827	approved	Notification Response procedure	6.0.0	6.1.0	N1	TEI6
43.069	018	-	Rel-6	F	NP-040515	N1-041828	approved	Clarification on Immediate Setup procedure	6.0.0	6.1.0	N1	TEI6
44.064	008	-	Rel-6	F	NP-040515	N1-041940	approved	Improvement of the suspension duration due to a cell update	5.1.0	6.0.0	N1	TEI6

For latest details please see the 3GPP specifications database at ftp://ftp.3gpp.org/Information/Databases/Spec_Status/

ANNEX B Tdoc List

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040450	2	AGENDA	DRAFT Agenda for CN#26 Meeting			CN Chair		APPROVED
NP-040451	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: beginning of day 1			CN V. Chair		NOTED
NP-040452	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: end of day 1			CN V. Chair		NOTED
NP-040453	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: end of day 2			CN V. Chair		NOTED
NP-040454	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: near end of day 3			CN V. Chair		NOTED
NP-040455	4.1	REPORT	Draft Meeting Report from CN#25			CN V. Chair		APPROVED
NP-040456	12	WORK PLAN	Latest version of 3GPP Workplan			MCC, Sultan		NOTED
NP-040457	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)			MCC, Sultan		REVISED TO NP-040628
NP-040458	11.1	ToR	Proposed CT Terms of Reference			CN and T TSG Leaders		REVISED TO NP-040626
NP-040459	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: before meeting			CN V. Chair		NOTED
NP-040460	6.1.1	LS IN	LS on Support of eCall on UUS type 1 Supplementary Service [N1-041949]			CN1		NOTED
NP-040461	6.1.1	LS IN	LS on EHPLMN (Equivalent HPLMN) [N1-041994]			CN1		NOTED
NP-040462	9.1	LS IN	Reply LS on Security aspects of early IMS systems [N1-042078]			CN1		NOTED
NP-040463	6.1.1	LS IN	Reply LS on Definition of RAT [N1-042097]			CN1		NOTED
NP-040464	6.1.1	LS IN	LS on conferencing in release 6 [N1-042098]			CN1		NOTED
NP-040465	??	LS IN	LS on a 3GPP IMS management object [N1-042100]			CN1		NOTED
NP-040466	6.5.2	LS IN	OSA Stage 2 - A cross-releases Overview [N5-040779]			CN5		NOTED
NP-040467	6.5.2	LS IN	Reply LS on transferring the OSA stage 2 (23.127) responsibility from SA2 to CN5 [S2-043410]			SA2		NOTED
NP-040468	6.6	LS IN	LS Response to SSG on Review of Q.TRMMR [SP-040677]			SA		NOTED
NP-040469	6.6.1	LS IN	Reply to LS on definition of RAT [T3-040740]			T2		NOTED
NP-040470	9.1	LS IN	LS on CN3 impacts on Early IMS Security mechanisms [N3-040884]			CN3		NOTED
NP-040471	9.6	LS IN	LS on GUP WID Update [N4-041620]			CN4		NOTED
NP-040472	6.4.1	LS IN	Reservation of two new sub domains under ".3gppnetwork.org" [N4-041687]			CN4		NOTED
NP-040473	6.1.1	LS IN	LS on definition of RAT [S1-040940]			SA1		NOTED
NP-040474	9.2	LS IN	LS on proposed work split 3GPP/3GPP2/OMA on Presence [S2-043416]			SA2		NOTED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040475	5	LS IN	LS on evolution of network architecture [S2-043891]			SA2		NOTED
NP-040476	5	LS IN	Submission of a high-level architecture and definition for Next Generation Network [NGN_Framework_Part1_3GPPSA_0501]			ATIS		NOTED
NP-040477	5	LS IN	Definitions, architecture for NGN [ATIS_NGN_Part_1_Issue1]			ATIS		NOTED
NP-040478	6.6	LS IN	Request for further comments on the draft Technical Report Q.TRMMR on Mobility Management Requirements.			ITU-GS-19		NOTED
NP-040479	5	LS IN	Reply LS (to N1-042069) on Selected PLMN and Network Sharing [R2-042741]			RAN2		NOTED
NP-040480	6.5.1	REPORT	Status Report for TSG CN WG5			CN5 Chair		NOTED
NP-040481	6.5.1	REPORT	CN5#29 Meeting Report			CN5 Chair		NOTED
NP-040482	6.5.1	LS PACK	All LSs sent from CN5 since TSG CN#25 Meeting			CN5		NOTED
NP-040483	7.10	CR PACK	5 Rel-4/5/6 CR 29.198-04 OSA API Part 4: Call control	OSA1	Rel-4	CN5		APPROVED
NP-040484	7.10	CR PACK	3 Rel-4/5/6 CR 29.198-03 OSA API Part 3: Framework	OSA1	Rel-4	CN5		APPROVED
NP-040485	8.2	CR PACK	27 Rel-5/6 CR 29.198-xy Removal of OSA API SCFs description in W3C WSDL	OSA2	Rel-5	CN5		APPROVED
NP-040486	9.7	CR PACK	2 Rel-6 CR 29.198-xy OSA API	OSA3	Rel-6	CN5		APPROVED
NP-040487	9.7	CR PACK	4 Rel-6 CR 29.199-xy OSA Parlay X Web Serices	OSA3	Rel-6	CN5		PART APPROVED
NP-040488	9.7	TS	Rel-6 Draft TS 23.198 v100 (OSA Stage 2) – for Infomation	OSA3	Rel-6	CN5		NOTED
NP-040489	6.1.1	REPORT	CN1 Status Report to CN Plenary			CN1 Chairman		REVISED TO NP-040594
NP-040490	6.1.1	REPORT	CN1#36 Draft Meeting report			MCC		NOTED
NP-040491	6.1.1	LS PACK	LSs sent from CN1 since CN#25			CN1		NOTED
NP-040492	9.2	WID	Presence WID update	PRESNC	Rel-6	CN1		APPROVED
NP-040493	9.8	WID	MBMS WID Update	MBMS	Rel-6	CN1		APPROVED
NP-040494	9.1	WID	Revised IP Multimedia Core Network Subsystem WID	IMS2	Rel-6	CN1		APPROVED
NP-040495	10.1	WID	New IP Multimedia Core Network Subsystem WID - IMS Stage3 Protocol Evolution	IMS3	Rel-7	CN1		REVISED TO NP-040617
NP-040496	10.1	WID	WID on Trace Management, stage3, IMS	IMS3	Rel-7	CN1		REVISED TO NP-040621
NP-040497	10.1	WID	WID update on Protocol impact from providing IMS services via fixed broadband	FBI	Rel-7	CN1		REVISED TO NP-040618
NP-040498	9.4	WID	WID on Emergency Call Enhancements for IP& PS Based Calls – stage 3	EMC1	Rel-7	CN1		REVISED TO NP-040608
NP-040499	9.1	TS	TS 24.167: 3GPP IMS Management object (MO);Stage 3	IMS2	Rel-6	CN1		NOTED
NP-040500	9.9	TS	TS 24.247: Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem;	IMSM	Rel-6	CN1		Revised TO NP-040611
NP-040501	7.11	CR PACK	CRs on Rel-4 WI "TEI4" for TS 24.007	TEI4	Rel-4	CN1		APPROVED
NP-040502	8.1	CR PACK	CRs on Rel-5 WI "IMS-CCR" for TS 24.229 and 24.228	IMS-CCR	Rel-5	CN1		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040503	9.2	CR PACK	CRs on Rel-6 WI "PRESNC" for TS 24.141	PRESNC	Rel-6	CN1		PART APPROVED
NP-040504	9.8	CR PACK	CRs on Rel-6 WI "MBMS" for TS 24.008	MBMS	Rel-6	CN1		APPROVED
NP-040505	9.1	CR PACK	CRs on Rel-6 WI "IMS2" for TS 24.147	IMS2	Rel-6	CN1		APPROVED
NP-040506	9.1	CR PACK	CRs on Rel-6 WI "IMS2" for TS 24.229	IMS2	Rel-6	CN1		APPROVED
NP-040507	9.1	CR PACK	CRs on Rel-6 WI "IMS2" for TS 24.229	IMS2	Rel-6	CN1		REVISED TO NP-040590
NP-040508	9.17	CR PACK	CRs on Rel-6 WI "WLAN" for TS 24.234	WLAN	Rel-6	CN1		APPROVED
NP-040509	9.17	CR PACK	CR on WI "WLAN" for TS 24.234	WLAN	Rel-6	CN1		REFERRED BACK TO WG FOR FURTHER STUDY
NP-040510	9.22	CR PACK	CR on Rel-6 WI "PSintDTM-Reduct" for TS 24.008	PSintDTM-Reduct	Rel-6	CN1		APPROVED
NP-040511	9.3	CR PACK	CRs on Rel-6 WI "SEC1-SC" for TS 24.109	SEC1-SC	Rel-6	CN1		APPROVED
NP-040512	9.3	CR PACK	CR on WI SEC1-SC for TS 24.109	SEC1-SC	Rel-6	CN1		APPROVED
NP-040513	9.19	CR PACK	CRs on WI NTShar for TS 23.122 and TS 24.008	NTShar	Rel-6	CN1		APPROVED
NP-040514	9.21	CR PACK	CRs on WI TEI6 for 23.014, 23.122 and 23.008	TEI6	Rel-6	CN1		APPROVED
NP-040515	9.21	CR PACK	CRs to WI TEI6 for TS 43.068, 43.069 and 44.064	TEI6	Rel-6	CN1		APPROVED
NP-040516	10.1	CR PACK	CR to WI TEI7 for TS 23.122	TEI7	Rel-7	CN1		APPROVED
NP-040517	6.1.4	REPORT	Status Report for TSG CN WG4			CN4 Chair		NOTED
NP-040518	6.1.4	REPORT	CN4#25 Meeting Report			MCC		NOTED
NP-040519	6.1.4	LS PACK	All LSs sent from CN4 since TSG CN#25 Meeting			MCC		NOTED
NP-040520	7.7	CR PACK	CRs to Rel-4 on Work Item OoBTC	OoBTC	Rel-4	CN4		APPROVED
NP-040521	7.8	CR PACK	CRs to Rel-4 on Work Item CCSPLIT	CSSPLIT	Rel-4	CN4		APPROVED
NP-040522	7.11	CR PACK	CRs to Rel-4 on Work Item small Technical Enhancements and Improvements on Supplementary Services	TEI4	Rel-4	CN4		APPROVED
NP-040523	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface	IMS-CCR	Rel-5	CN4		APPROVED
NP-040524	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface	IMS-CCR	Rel-5	CN4		WITHDRAWN
NP-040525	8.3	CR PACK	CRs to Rel-5 on Work Camel 4	Camel4	Rel-5	CN4		APPROVED
NP-040526	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on GPRS	TEI5	Rel-5	CN4		APPROVED
NP-040527	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Clarification of NRI position within (P)-TMSI	TEI5	Rel-5	CN4		APPROVED
NP-040528	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements	TEI5	Rel-5	CN4		APPROVED
NP-040529	8.9	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Mc-Interface	TEI5	Rel-5	CN4		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040530	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services Cx-/Dx-interface	IMS2-CCR	Rel-5	CN4		APPROVED
NP-040531	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services Sh-interface	IMS2-CCR	Rel-5	CN4		APPROVED
NP-040532	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services on Subscriber data handling	IMS2	Rel-6	CN4		APPROVED
NP-040533	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination	IMS2/TEI6	Rel-6	CN4		WITHDRAWN
NP-040534	9.3	CR PACK	CR to Rel-6 on Key Management of group keys for Voice Group Call Services	SECGKYV	Rel-6	CN4		APPROVED
NP-040535	9.3	CR PACK	CR to Rel-6 on MAP Security	TEI6	Rel-6	CN4		APPROVED
NP-040536	9.3	CR PACK	CRs to Rel-6 on Subscriber Certificates	SEC1-SC	Rel-6	CN4		WITHDRAWN
NP-040537	9.6	WID	Updated WID on GUP	GUP	Rel-6	CN4		NOTED
NP-040538	9.6	TS	3GPP TS 29.240 Generic User Profile v1.0.0 for information	GUP	Rel-6	CN4		NOTED
NP-040539	9.6	TR	3GPP TR 23.941 3GPP Generic User Profile (GUP); Data Description Method (DDM) v2.0.0 for approval	GUP	Rel-6	CN4	23.941	APPROVED
NP-040540	9.8	CR PACK	CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service	MBMS	Rel-6	CN4		APPROVED
NP-040541	9.17	CR PACK	CRs to Rel-6 on WLAN	WLAN	Rel-6	CN4		WITHDRAWN
NP-040542	9.18	CR PACK	CRs to Rel-6 on Location Services	LCS2	Rel-6	CN4		APPROVED
NP-040543	9.19	CR PACK	CR to Rel-6 on Network Sharing	NetShar	Rel-6	CN4		APPROVED
NP-040544	9.21	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Camel	TEI6	Rel-6	CN4		APPROVED
NP-040545	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS	TEI6	Rel-6	CN4		APPROVED
NP-040546	9.21	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP	TEI6	Rel-6	CN4		APPROVED
NP-040547	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on Mc-interface	TEI6	Rel-6	CN4		APPROVED
NP-040548	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on OoBTC	TEI6	Rel-6	CN4		APPROVED
NP-040549	9.22	WID	Updated Work Item Description on Trace Management, stage3, network	OAM-Trace	Rel-6	CN4		APPROVED
NP-040550	10.1	WID	CAMEL Trunk Originated Trigger Detection Points	EDCamel	Rel-7	CN4		APPROVED
NP-040551	6.3.1	REPORT	Status Report for TSG CN WG3			CN3 Chair		REVISED TO NP-040589
NP-040552	6.3.1	REPORT	CN3#33bis Meeting Report			MCC		NOTED
NP-040553	6.3.1	REPORT	CN3#34 Meeting Report			MCC		NOTED
NP-040554	6.3.1	LS PACK	All LSs sent from CN3 since TSG CN#25 Meeting			MCC		NOTED
NP-040555	8.5	CR PACK	CRs to Rel-5 (with mirror CRs) on Work Item "End to End QoS"	E2EQoS	Rel-5	CN3		APPROVED
NP-040556	9.12	CR PACK	CRs to Rel-6 on Work Item "IMS" (Pack 1)	IMS-CCR-IWCS	Rel-6	CN3		REVISED TO NP-040582

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040557	9.16	CR PACK	CRs to Rel-6 on Work Item "IMS" (Pack 2)	IMS-CCR-Mn	Rel-6	CN3		REVISED TO NP-040583
NP-040558	9.21	CR PACK	CRs to Rel-6 on Work Item "TEI-6" (Pack 1)	TEI-6	Rel-6	CN3		REVISED TO NP-040591
NP-040559	9.21	CR PACK	CRs to Rel-6 on Work Item "TEI-6" (Pack 2)	TEI-6	Rel-6	CN3		REVISED TO NP-040584
NP-040560	9.21	CR PACK	CRs to Rel-6 on Work Item "TEI-6" (Pack 3)	TEI-6	Rel-6	CN3		APPROVED
NP-040561	9.8	CR PACK	CRs to Rel-6 on Work Item "MBMS"	MBMS	Rel-6	CN3		REVISED TO NP-040585
NP-040562	9.20	CR PACK	CRs to Rel-6 on Work Item "QoS1" (Gq interface)	QoS1	Rel-6	CN3		REVISED TO NP-040586
NP-040563	9.22	WID	Draft WID on Reorganization of CS data specifications	Tbd	Rel-6	CN3		APPROVED
NP-040564	9.22	CR PACK	Transfer of information from TR 23.910	Tbd	Rel-6	CN3		REVISED TO NP-040587
NP-040565	9.22	TS	TS23.202 v1.0.0 Circuit switched data bearer services (for information and approval)	Tbd	Rel-6	CN3		REVISED TO NP-040607
NP-040566	9.22	TS	TS 29.210 v2.0.0 Charging rule provisioning over Gx interface (for approval)	CH-FBC	Rel-6	CN3	29.210	APPROVED
NP-040567	9.22	TS	TS 29.211 v1.0.0 Rx interface and Rx/Gx signalling flows (for information)	CH-FBC	Rel-6	CN3		NOTED
NP-040568	9.11	TS	TS 29.162 v2.0.0. interworking between the IM CN subsystem and IP networks (for approval)	IMS-CCR-IWIP	Rel-6	CN3		REVISED TO NP-040588
NP-040569	12	CR	CRs to lists of specs			JMM, MCC		NOTED
NP-040570	12	CR	CR to 21.900			JMM, MCC		NOTED
NP-040571	12	LIST	Specs per Release; a comparison			JMM, MCC		NOTED
NP-040572	12	LIST	status list before			JMM, MCC		NOTED
NP-040573	8.8	CR	Service Change for Failover not defined for Mc Interface	TEI-5	Rel-5	Ericsson, Vodafone, Lucent		REVISED TO NP-040604
NP-040574	8.8	CR	Audit restriction	TEI-5	Rel-5	Ericsson, Vodafone		REVISED TO NP-040603
NP-040575	11	DISCUSSION DOC	WG elections			Nokia		NOTED
NP-040576	4.3	REPORT	IETF report			CN Chair		NOTED
NP-040577	6.6	LS OUT	Draft LS to ITU-T on the Rel 6 transposition		Rel-6	CN Chair		REVISED TO NP-040602
NP-040578	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface	IMS-CCR	Rel-5	CN4		APPROVED
NP-040579	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination	IMS2/TEI6	Rel-6	CN4		PART APPROVED
NP-040580	9.3	CR PACK	CRs to Rel-6 on Subscriber Certificates	SEC1-SC	Rel-6	CN4		APPROVED
NP-040581	9.17	CR PACK	CRs to Rel-6 on WLAN	WLAN	Rel-6	CN4		PART APPROVED
NP-040582	9.12	CR PACK	CRs to Rel-6 on Work Item "IMS" (Pack 1)	IMS-CCR-IWCS	Rel-6	CN3		APPROVED
NP-040583	9.16	CR PACK	CRs to Rel-6 on Work Item "IMS" (Pack 2)	IMS-CCR-Mn	Rel-6	CN3		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040584	9.21	CR PACK	CRs to Rel-6 on Work Item "TEI-6" (Pack 2)	TEI-6	Rel-6	CN3		REVISED TO NP-040615
NP-040585	9.8	CR PACK	CRs to Rel-6 on Work Item "MBMS"	MBMS	Rel-6	CN3		REVISED TO NP-040616
NP-040586	9.20	CR PACK	CRs to Rel-6 on Work Item "QoS1" (Gq interface)	QoS1	Rel-6	CN3		APPROVED
NP-040587	9.22	CR PACK	Transfer of information from TR 23.910	Tbd	Rel-6	CN3		APPROVED
NP-040588	9.11	TS	TS 29.162 v2.0.0. interworking between the IM CN subsystem and IP networks (for approval)	IMS-CCR-IWIP	Rel-6	CN3	29.162	APPROVED
NP-040589	6.3.1	REPORT	Status Report for TSG CN WG3			CN3 Chair		NOTED
NP-040590	9.1	CR PACK	CRs on Rel-6 WI "IMS2" for TS 24.229	IMS2	Rel-6	CN1		APPROVED
NP-040591	9.21	CR PACK	CRs to Rel-6 on Work Item "TEI-6" (Pack 1)	TEI-6	Rel-6	CN3		APPROVED
NP-040592	12	REPORT	Summary of all Release 4 Features			MCC		NOTED
NP-040593	9.2	CR	Cr to 24.141-21 Rev1 Introduction of XCAP Client	PRESNC	Rel-6	Siemens		REVISED TO 0599
NP-040594	6.1.1	REPORT	CN1 Status Report to CN Plenary			CN1 Chairman		NOTED
NP-040595	11.5	CALENDAR	2005 Meeting schedule, source MCC			MCC		NOTED
NP-040596	11.5	LS IN	LS from TISPAN requesting a joint meeting			TISPAN		NOTED
NP-040597	5	LS IN	LS to 3GPP on IPv4/v6 IMS roaming and interworking			GSMA IREG		NOTED
NP-040598	6.1.1	LS OUT	LS to SA1 on group management requirements			CN		REVISED TO NP-040620
NP-040599	9.2	CR	CR to 24.141-21 Rev1 Introduction of XCAP Client	PRESNC	Rel-6	Siemens		APPROVED
NP-040600	9.1	CR	CR previously contained in NP-040579.	IMS2/TEI6	Rel-6	LUCENT		APPROVED
NP-040601	11.1	ToR	Proposed CT Terms of Reference			TIM		NOTED
NP-040602	6.6	LS OUT	LS on Co-ordination of SDO input to ITU-T Q.1741.4		Rel-6	CN Chair		APPROVED
NP-040603	8.8	CR	Audit restriction	TEI-5	Rel-5	Ericsson, Vodafone		WITHDRAWN
NP-040604	8.8	CR	Service Change for Failover not defined for Mc Interface	TEI-5	Rel-5	Ericsson, Vodafone, Lucent		APPROVED
NP-040605	11.3	REPORT	CN and T to CT transition details			CN Chair		REVISED TO NP-040624
NP-040606	9.1	WID	Combining CS and IMS and capability detection mechanism - building block			Vodafone		REVISED TO NP-040616
NP-040607	9.22	TS	TS23.202 v1.0.0 Circuit switched data bearer services (for information and approval)	Tbd	Rel-6	CN3	23.202	APPROVED
NP-040608	9.4	WID	WID on Emergency Call Enhancements for IP& PS Based Calls – stage 3	EMC1	Rel-7	CN1		APPROVED
NP-040609	9.7	CR PACK	4 Rel-6 CR 29.199-xy OSA Parlay X Web Serices	OSA3	Rel-6	CN5		APPROVED
NP-040610	9.8	VOID	VOID (not used)					VOID
NP-040611	9.9	TS	TS 24.247v 2.0.0 : Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem;	IMSM	Rel-6	CN1	24.247	APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-040612	9.6	WID	New WID for the CN parts of GUP	GUP	Rel-6	CN4		APPROVED
NP-040613	9.17	LS OUT	LS to IREG and SA1			CN		REVISED TO NP-040622
NP-040614	9.1	WID	Combining CS and IMS and capability detection mechanism - building block			Vodafone		NOTED
NP-040615	9.21	CR PACK	CRs to Rel-6 on Work Item "TEI-6" (Pack 2)	TEI-6	Rel-6	CN3		APPROVED
NP-040616	9.8	CR PACK	CRs to Rel-6 on Work Item "MBMS"	MBMS	Rel-6	CN3		APPROVED
NP-040617	10.1	WID	New IP Multimedia Core Network Subsystem WID - IMS Stage3 Protocol Evolution	IMS3	Rel-7	CN1		APPROVED
NP-040618	10.1	WID	WID update on Protocol impact from providing IMS services via fixed broadband	FBI	Rel-7	CN1		APPROVED
NP-040619	11.5	LS OUT	Proposed Response to TISPAN on Workshop on "IMS over Fixed Access"			CN		APPROVED
NP-040620	6.1.1	LS OUT	LS on IP multimedia group management and messaging capabilities			CN		APPROVED
NP-040621	10.1	WID	WID on Trace Management, stage3, IMS	IMS3	Rel-7	CN1		APPROVED
NP-040622	9.17	LS OUT	LS on to 3GPP on Reservation of two new sub domains under ".3gppnetwork.org" from GSMA IREG (NP-040597)			CN		APPROVED
NP-040623	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: end of day 3			CN V. Chair		NOTED
NP-040624	11.3	REPORT	CN and T to CT transition details			CN and T Chairs		REVISED TO NP-040627
NP-040625	11.3	REPORT	Alternative CN and T to CT transition details			Motorola		NOTED
NP-040626	11.1	ToR	Proposed CT Terms of Reference			CN and T TSG Leaders		ENDORSED
NP-040627	11.3	REPORT	CN and T to CT transition details					APPROVED
NP-040628	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)			MCC, Sultan		NOTED

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