



Third Generation Partnership Project

DRAFT MEETING REPORT v2.0.0

3GPP TSG-CN#21

Frankfurt, Germany.
17 - 18 SEPTEMBER, 2003

Hosted by:

SIEMENS

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CN Chairman's Executive Summary

This was a quite productive meeting with several contentious issues finally being resolved:

- CRs for one-step HLR interrogation for SCUDIF were agreed
- Codec negotiation during TrFO was clarified
- ATI was selected as the SRF solution for correcting MNP charging for prepaid subscribers
- JAVA code was provided for the OSA specs

TS 29.163: "Interworking between the IM CN subsystem and CS networks" was approved.

A new work item was approved on Support of Subscriber Certificates, Stage 3 (NP-030441).

The following work items were revised:

- IMS2 Stage 3 (NP-030421): Completion slipped to June 04
- Rel 6 – OSA Stage 3 (NP-030353): Added deliverables for Parlay X web service and PAM mapping.
- MBMS Stage 3 (NP-030422): Completion slipped to March 04

An LS (NP-030444) providing CN views on PoC collaboration was sent to SA. SA is expected to provide a consolidated input back to OMA.

An LS (NP-030440) was sent to GSMA requesting confirmation of their understanding of the use of the ".gprs" and ".3gppnetwork.org" domains for DNS queries for IMS identities constructed from a subscriber IMSI.

CN will await guidance from SA on how far back to address the issue of inter-network accounting for BS30-based services such as video (NP-030431)

Iain Sharp was elected as CN vice-chair replacing Ian Park. CN thanks Ian for his long years of service and major contribution to GSM and UMTS.

1 Opening, of the meeting

Lugwig Hiebinger of Siemens welcomed the delegates to Frankfurt on behalf of the hosts. The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Ian Park (Vice-Chair, Vodafone), Mr. Kunihiro Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

2 Approval of the agenda

- NP-030315 Draft agenda for CN #21 meeting. MCC. **APPROVED.**
- NP-030316 Allocation of documents to agenda items (start of day 1). Source: CN vice-chairman. **NOTED.**
- NP-030317 Allocation of documents to agenda items (end of day 1). Source: CN vice-chairman. **NOTED.**
- NP-030318 Allocation of documents to agenda items (end of day 2). Source: CN vice-chairman. **NOTED.**
- NP-030319 DAD (end of day 3). Source: CN vice-chairman. **WITHDRAWN**
-

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/lpr/>).

4 Meeting Reports

4.1 Report from CN#20 meeting

NP-030320 Draft report from CN #20 meeting. Source: MCC
Status: **APPROVED.**

4.2 Reports from other groups

No Input to this agenda item.

4.3 IETF coordination report

NP-030423 IETF coordination report. Source: CN Chair.
Content: Contains the CN chairman's status report on progress of IETF work.
Status: **NOTED.**

4.4 CN Chairman's report

No Input document to this agenda item.

Oral report: Stephen Hayes gave an update on the issue of migrating the work from SA5 SWGB. Although there was a request to study this issue, SA5 SWGB have now resolved the resource problem, and they do not intend to move any work out of SA5 SWGB, at least in the release 6 timeframe.

5 Incoming liaisons

5.1 From TSG-CN working groups

No Input to this agenda item.

5.2 From other 3GPP groups

NP-0300355 LS on TR 22.952, Priority Service Guide – request for review and comment [S1-030935], source: SA1.

Content: Requests CN to review and provide comments to TR 22.952

Discussion: CN1 chair requested that the interested companies prepare input for the next CN1 and CN4 meetings.

Status: **NOTED (Forwarded to CN1 and CN4).**

NP-030356 Reply to LS on future codecs with same SDU format as existing codecs [S4-030573]: source: SA4.

Discussion: The proposal to avoid lu UP initialisation for mid-call codec change has been withdrawn. CN4 has addressed this issue and the related CRs are presented to CN#21 for approval (NP-030380).

Status: **NOTED.**

NP-030357 Response LS on Security Association Lifetime Management [S3-03044]; source: SA3.

Discussion: This LS has been seen in CN1, who have made progress on this issue (CRs proposed to CN#21). Some additional questions have led CN1 to request a joint session with SA3 in their next meeting.

Status: **NOTED.**

NP-030436 LS to TSG CN on the documents to be considered for the Revision 4 of Recommendation ITU-R M.1457: source: TSG-RAN.

Content: Contains a list of documents to be considered for the Revision 4 of Recommendation ITU-R M.1457.

Discussion: CN asked why the list includes 24.080 but not the other TSs for specific supplementary services (e.g. 24.081 and 24.082).

The TSG-RAN chairman clarified that this level of detail on core network protocols is not of interest to ITU-R. However TSG-RAN will consider adding more detail for the next update to ITU-R.

Ian Park suggested removing 24.080 from the list. The TSG RAN chair mentioned that due to timing issues (the list must be available to the ITU-R by 1st Oct 2003), it is best not to make changes at this late stage, but keep it in mind for the next update.

Status: **NOTED.**

5.3 From other groups

NP-030354 Liaison Statement on Status of ITU-T Draft Rec. Q.SNFB [LS-02] ITU-T SSG/Q.1, source: ITU-T.

Content: Input from the SSG describing the work on (PDNR) Q.SCFN - Service capabilities framework of network aspects for systems beyond IMT-2000 and (PDNR) Q.NCRB - Network capability requirements for systems beyond IMT-2000

Discussion: Companies should be aware of these PDNRs.

Status: **NOTED.**

NP-030443 Consent of Q.2630.3, Q.2631.1, and Q.2632.1, source: ITU-T.

Content: ITU-T Study Group 11 inform 3GPP TSG RAN and CN of the consent of the following ITU-T Recommendations: Q.2630.3 (AAL type 2 Signalling Protocol Capability Set 3) TD-PLN-0026. Q.2631.1 (IP Connection Control Signalling Protocol Capability Set 1) TD-PLN-0019. Q.2632.1 (Interworking between AAL type 2 Signalling Protocol Capability Set 2 and IP Connection Control Protocol Capability Set 1) TD-PLN-0018.

Status: **NOTED.**

NP-030358 **Need for OMA Liaison with 3GPP and 3GPP2 re PoC [OMA-REQ-2003-0409R03] OMA To: Sprint PCS/Cingular Wireless.**

Content: OMA Requirements Group inform 3GPP and 3GPP2 of the PoC standardisation work just started in OMA and also ask that 3GPP and 3GPP2 for any suggestions to minimise or eliminate any potential duplication of work going forward.

Discussion: Several WGs have discussed this issue. PoC will be based on IMS with some enablers being defined by 3GPP. SA2 have created a PoC Work Item.

A response is drafted in NP-030348.

Status: **NOTED.**

NP-030348 **Draft Reply LS for OMA Liaison with 3GPP re PoC NEC/Yukio Kawanami.**

Content: Contains a draft response LS to OMA on the PoC issue.

Discussion: Summary from the discussion:

~~///~~ 3GPP invite representatives from OMA PoC to give presentations to the assorted 3GPP WGs at the co-located meetings in Bangkok (Oct 2003).

~~///~~ OMA should consider IMS Rel-5 as the baseline for PoC requirements.

~~///~~ CN will follow the usual progress for work items and will not proceed with the work until some requirements have been received from SA2.

The revised LS will be sent to TSG-SA in order to allow a single response from 3GPP to be sent to OMA.

The bullet points in this draft LS were modified to include the three points above and to expand on the points already listed in the proposed LS. Some text from the draft LS that does not reflect the outcome of the discussion was removed: *"The consequences of this approach would be that some work in OMA would need to be closed at some point to allow the focus for that work to move to 3GPP"*.

No need at this time to set up a specific contact/coordination group between 3GPP CN and OMA.

There was support for a 3GPP wide list of dependencies and overlap for the tracking of OMA related Work items. Also a request for OMA to indicate their timescales for the PoC work. Iain Sharpe of Nortel has prepared such a list for TSG-SA. (SP-030198)

Status: **REVISED to 0442.**

? **REVISED** ?

NP-030442 **Draft Reply LS for OMA Liaison with 3GPP re PoC NEC/Yukio Kawanami.**

Discussion: Some editorial corrections were proposed to the text for clarification.

Status: **REVISED to 0444.**

? **REVISED** ?

NP-030444 **Draft LS for OMA Liaison with 3GPP re PoC NEC/Yukio Kawanami.**

Status: **APPROVED.**

NP-030435 **Output from Joint 3GPP-OMA Workshop: source Joint Chairs.**

Content: A list of key points from the Joint 3GPP-OMA Workshop.

Discussion: Delegates asked how the process of reviewing each other's Work Items would be done. It was mentioned that this was not agreed in the workshop.

There was support for identifying dependencies and overlaps in a document which is maintained by one person or one organisation.

Status: **NOTED**

NP-030401 **Liaison Statement on EC Requirements on Emergency Telecommunications [EM04td014r2] OCG-EMTEL: source: Marconi**

Discussion: CN1 chair requested that the interested companies prepare input for the next CN1 and CN4 meetings.

Status: **NOTED (Forwarded to CN1 and CN4).**

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-030402 Status Report for TSG CN WG1: CN1 Chair

Discussion: Access independent changes to 24.229 are proposed to be stabilized by Dec 2003. CN1 will progress this work and if related work is identified in groups, this can be progressed independently.

Ericsson opposed the additional CN1 meeting. They prefer to await the SA decision on the freeze date for Rel-6. It was agreed to reserve the date with the default decision that the meeting will not take place unless there is consensus within CN1 that the meeting is needed.

Status: **NOTED.**

NP-030403 CN1#31 Meeting Report MCC. NOTED.

NP-030404 All LSs sent from CN1 since TSG CN#20 Meeting MCC. NOTED.

6.1.2 Questions for advice and decisions from CN1

No Input to this agenda item.

6.2 Reporting from TSG-CN WG2

6.2.1 Status report from CN2

NP-030359 CN2 Status Report to CN Plenary: CN2 chairman.

Discussion: It was clarified that for the MNP issue, if the SRI solution is selected, there are CAMEL impacts, but no changes to the CAMEL specifications are presented to CN#21. Ericsson feels there need to be changes to the CAMEL specifications [23.078].

Status: **NOTED.**

NP-030360 CN2# 30Draft Meeting report and CN2 AdHoc meeting report CN2. NOTED.

NP-030361 LSs sent from CN2 since CN#20 CN2. NOTED.

6.2.2 Questions for advice and decisions from CN2

No Input to this agenda item.

6.3 Reporting from TSG-CN WG3

6.3.1 Status report from CN3

NP-030323 CN3 Status Report to CN Plenary: CN3 Chair.

Discussion: NEC said that SA2 have agreed a CR to Rel-5 on IMS<->IP interworking. However CN3 are not officially aware of the CR and have not received any LS detailing the modification to the Rel-5 requirements. It was clarified that Interworking between IMS and IP is a Rel-6 work item only. The CN3 chair checked the content of the Stage 2 CR and found that it does not impact the decision that the Work item is for Rel-6. However it may be expected that alignment CRs are brought to 24.229.

Status: **NOTED.**

NP-030324 Draft Meeting Report from CN3#29 Meeting CN3. NOTED.

NP-030325 LSs outgoing from CN3 between CN#20 and CN#21 CN3. 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-030375 Status report from CN4 to TSG-CN Plenary Meeting #21: CN4 chairman.

Discussion: Ericsson asked that the status of MNP CR to 23.066 be shown as "technically correct but needing some editorial corrections". The terms "kind of" and "massive" should be removed. Siemens have studied the Stage 2 work on GUP and are concerned that the impacts may be larger than expected.

Status: **NOTED.**

NP-030376 CN4 meeting report after CN#20 CN4. **NOTED.**

NP-030377 CN4 Output LSs after CN#20 CN4. **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-030350 Chair's report from CN5 (slide presentation): CN5 Chair. **REVISED to NP-030437 before presentation.**

? **REVISED ?**

NP-030437 Chair's report from CN5 (slide presentation): CN5 Chair

Discussion: TSG-CN agreed to the Work items "Retrieval of Visited Network Capabilities" and "Enhanced User Privacy in LCS" to be removed from the Work Plan. TSG-CN agreed to the use of the term PARLAY X in CN5's specifications. Stephen Hayes will make the modifications to the IETF dependency table as requested by CN5.

Status: **NOTED.**

NP-030351 Draft Report of CN5#24, San Francisco, USA, 14-18 July 2003 (N5-030307) CN5 Chair. **NOTED.**

6.5.2 Questions for advice and decisions from CN5

No Input to this agenda item.

6.6 Status ITU-T ad hoc group

NP-030424 ITU-T coord ad-hoc report: CN chairman. **WITHDRAWN.**

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

NP-030362 CRs to R99 WI CAMEL3: CN2. **APPROVED.**

7.2 Security

NP-030378 CR pack: Corrections on Security: CN4. **APPROVED.**

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-030380 CR pack: Corrections on Transcoder Free Operation Release 4: CN4. **APPROVED.**

7.8 Enable bearer independent CS architecture [[CSSPLIT](#)]

NP-030327 CR pack: Clarification of Handover Description: CN3. **APPROVED.**

7.9 Multicall

No Input to this agenda item.

7.10 OSA Enhancements [[OSA1](#)]

No Input to this agenda item.

7.11 Small Technical Enhancements & Improvements [[TEI](#)]

NP-030328 CR pack: Interpretation of "no BC-IE" in CALL PROCEEDING/CONFIRMED Messages: CN3. **APPROVED** [[Linked to CN1 CRs in NP-030406](#)].

NP-030329 CR pack: Alignment of Negotiation Rules between UE and MSC/IWF: CN3. **APPROVED.**

NP-030381 Small corrections on technical enhancements and improvements for GPRS Release 4: CN4. **APPROVED.**

NP-030382 CR pack: Small corrections on technical enhancements and improvements for R99: CN4.

Discussion: Motorola asked whether this is really an essential correction (to a reference) in R99. Also it was not certain that the correction to the reference is in fact correct. The correct reference may be to a pre-R99 version of 04.08

Status: **REFERRED BACK to CN4.**

NP-030405 CRs to R99 (with mirror CRs) on Work Item TEI towards 23.122, 24.008 and 29.018: CN1. **APPROVED.**

7.12 Any Other pre-Release 5 WI

NP-030379 CR pack: ASCII corrections: CN4. **APPROVED.**

NP-030406 CR to R99 (with mirror CRs) on Work Item Multimedia towards 24.008: CN1. **APPROVED.**

NP-030407 CRs to R96 (with mirror CRs) on Work Item ASCII towards 03.68, 03.69, 43.068 and 43.069: CN1. **APPROVED.**

NP-030408 CR to R99 (with mirror CRs) on Work Item ASCII towards 03.68 and 43.068: CN1. **APPROVED.**

NP-030431 Inter-network accounting for BS30 based services such as video telephony: T-Mobile, Vodafone.

Content: Document presents the issue of Inter-network accounting for BS30 based services such as video telephony, and asks CN to instruct CN3 to carry out the stage 3 work for this in Rel-4 and Rel-5.

Discussion: Ericsson mentioned that the use of specific bits in the backward call indication needs further study. It was agreed to examine this in the identified working group.

It was decided to ask TSG-SA whether this functionality / correction needs to be made in R99, Rel-4, Rel-5, or in Rel-6 only.

Stephen Hayes will ask this question to TSG-SA and will feed back the info to CN and more specifically CN3 on the release(s) to which this work needs to be applied.

Status: **NOTED.**

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-030383 CR pack: Corrections on IP-based Multimedia Services Cx/Dx-interface: CN4.

Discussion: Error in cover sheet (shows additional CRs that appear in another CR Pack).

Status: APPROVED.

NP-030384 CR pack: Corrections on IP-based Multimedia Services Sh-interface: CN4. APPROVED.

NP-030411 CRs to Rel-5 on Work Item IMS-CCR towards 23.218 and 24.228: CN1. APPROVED.

NP-030412 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 1: CN1. APPROVED.

NP-030413 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 2: CN1. APPROVED.

NP-030414 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack : CN1. APPROVED.

NP-030415 CR to Rel-5 on Work Item IMS-CCR towards 24.229,- CR459r1: CN1.

Comments: Contains a cut and paste error that is corrected in 0349

Status: REVISED to 0349.

? REVISED ?

NP-030349 CR 24.229-459r2 on Notification about registration status at AS: Lucent Technologies / Keith Drage. APPROVED.

8.2 OSA enhancements [OSA2]

NP-030352 15 Rel-5 CRs 29.198-xy OSA API Parts 1-14: Correction to Java Realisation Annex: CN5.
APPROVED.

8.3 CAMEL Phase 4 [CAMEL4]

NP-030363 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030364 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030365 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030366 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030367 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030368 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030369 CRs to Rel-5 WI CAMEL4: CN2. APPROVED.

NP-030374 CRs to Rel-5 WI IMS-CAMEL: CN2. APPROVED.

NP-030385 CR pack: Corrections on Camel Phase 4: CN4. **APPROVED.**

8.4 Location Service Enhancements **[LCS1]**

NP-030386 CR pack: Corrections on Location Service Enhancements Release 5: CN5. **APPROVED.**

8.5 End to End QoS **[E2EQoS]**

NP-030332 CR pack: End-to-end Quality of Service: Go interface Pack#1: CN3. **APPROVED.**

NP-030334 CR pack: End-to-end Quality of Service: Go interface Pack#2: CN3. **APPROVED.**

NP-030335 CR pack: End-to-end Quality of Service: Go interface Pack#3: CN3. **APPROVED.**

NP-030336 CR pack: End-to-end Quality of Service: Go interface Pack#4: CN3. **APPROVED.**

NP-030337 CR pack: End-to-end Quality of Service: Go interface Pack#5: CN3. **APPROVED.**

NP-030338 CR pack: End-to-end Quality of Service: Go interface Pack#6: CN3. **APPROVED.**

NP-030339 CR pack: End-to-end Quality of Service: Go interface Pack#7: CN3. **REVISED BEFORE PRESENTATION to 0432.**

? **REVISED ?**

NP-030432 CR pack: End-to-end Quality of Service: Go interface Pack#7: CN3. **APPROVED.**

NP-030340 CR pack: End-to-end Quality of Service: Go interface Pack#8: CN3. **APPROVED.**

8.6 Security enhancements **[SEC1]**

No Input to this agenda item.

8.7 Service Change and UDI Fallback **[SCUDIF]**

NP-030330 CRs on Rel-5 SCUDIF: CN3. **APPROVED.**

NP-030331 CRs on Rel-5 SCUDIF: CN3. **APPROVED.**

NP-030387 CR pack: Corrections on Service change and UDI fallback Release 5: CN4. **APPROVED.**

8.8 Technical Enhancements and Improvements **[TEI5]**

NP-030370 CR 23.003-074r2 on Changes to enable the GSMA root DNS architecture: Vodafone.

Content: In an LS from the GSMA IREG working group (N4-030932) it is stated that a root DNS architecture for the ".gprs" top level domain is being set up by the GSMA. The LS identifies some inconsistencies with definitions of the ".gprs" domain and also asks that these be corrected. GSMA also asked 3GPP to use the ".gprs" domain in IMS registrations with identities synthesized from an IMSI; however, after a conference call between the GSMA and the IETF on the use of TLDs, it was agreed that the domain "3gppnetwork.org" (which was registered by ETSI but will be handed over to the GSMA) should be used instead of ".gprs".

This CR74r2 is proposed to supersede CR 23.003-074r1 in NP-030389.

Discussion: This CR has not yet been seen by CN4 for complete analysis. mm02 and Orange proposed referring the CR back to CN4 for complete analysis.

Vodafone agreed to this issue being referred back to CN4, but want assurance that if/when this is presented in CN4 and CN Plenary it is not ticketed as 'late' for Rel-5.

Status: REFERRED BACK TO CN4.

NP-030439 DISCUSSION DOC describing the Teleconference on the issue of GSMA root DNS architecture: CN Chair.

Content: Contains the CN Chair's summary of the major points from the conference on 8th September 2003 on the GSMA IREG proposal to use the ".gprs" domain to resolve IMS identities synthesized from the IMSI.

Status: NOTED.

NP-030371 Response LS on DNS Top Level Domains used in 3GPP TS 23.003: Vodafone.

Discussion: As the CR has referred back to CN4, it is premature to tell the GSM-A that we have agreed to use ".3gppnetwork.org".

Agreed to formulate an LS to GSMA informing them of the status of this issue in 3GPP.

Status: REVISED to 0440.

? REVISED ?

NP-030440 Response LS on DNS Top Level Domains used in 3GPP TS 23.003: Vodafone. APPROVED

NP-030388 CR pack: Small Technical Enhancements and Improvements for Rel-5: CN4. APPROVED.

NP-030389 CR pack: Small Technical Enhancements and Improvements for Rel-5: CN4. REFERRED BACK TO CN4 (along with CR in 0470).

NP-030390 CR pack: Corrections on Early UE: CN4. APPROVED.

NP-030391 CR pack: Small Technical Enhancements and Improvements for MAP: CN4. APPROVED.

NP-030409 CRs to Rel-5 on Work Item TEI5 towards 43.068 and 43.069: CN1. APPROVED.

NP-030416 CRs to Rel-5 (with mirror CRs) on Work Item TEI5 towards 24.008 and 44.065: CN1. APPROVED.

8.9 Any other Rel-5 WI

NP-030341 CR pack: RADIUS protocol at GGSN: CN3. WITHDRAWN.

NP-030342 CR pack: Usage of RLP version: CN3. APPROVED.

NP-030346 CR 24.008-796r2 (Rel-5) on Support of the maximum bit rate for HSDPA: NEC/Yukio Kawanami.

Discussion: This CR is a revision of N1-031227. The only change from the previous version is that TS 29.002 and 29.060 are removed from the list of 'other specs affected' on the cover sheet.

Status: APPROVED.

NP-030347 CR 24.008-797r2 (Rel-6) on Support of the maximum bit rate for HSDPA: NEC/Yukio Kawanami.

Status: APPROVED.

NP-030392 CR pack: Corrections on MNP: CN4.

Discussion: Alternative solution to this contained in 0393.

On a show of hands in the meeting:-

- 1 company [Siemens] objected to the ATI solution.

- 3 companies [Ericsson Lucent Telia Sonera] objected to the SRI solution.

After some further discussion Siemens withdrew their objection to the use of ATI. However Siemens feels there is still a need for some additional work on the CN4 specifications before this issue can be considered complete. CN2 and CN4 are given permission to consider minor technical and editorial cleanup to the ATI MNP solution. These CRs are expected at the next Plenary.

Status: **APPROVED.**

NP-030393 CR pack: Corrections on MNP: CN4.

Discussion: Alternative solution to this contained in 0392.

Status: **REJECTED.**

NP-030417 CRs to Rel-5 on Work Item LATE_UE towards 23.009 and 29.018: CN1.

Discussion: The minor change to 23.009 has not been presented to CN4 for endorsement (due to time restrictions in the WG meeting). This CR is postponed until the end of the CN meeting. MCC to send this out on CN4 list for checking. (No comments received by the end of the CN meeting)
CR to 29.018 APPROVED.

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	C_Version	STATUS
N1-031099	Correction to UESBI-Iu definition	23.009	099		F	5.5.0	APPROVED
N1-031120	Correction to location update procedures in VLR	29.018	039		F	5.4.0	APPROVED

Status **APPROVED.**

9 Release 6

9.1 IMS Phase 2 [IMS]

NP-030394 CR pack: Enhancements to the CX and Sh interfaces CN4. **APPROVED.**

NP-030418 CRs to Rel-6 on Work Item IMS2 towards 24.229 CN1.

Discussion: Motorola prefers that correction CRs (CAT F) are not used to create new releases of specifications. Alternative CR to CR 473r1 is presented in NP-030428.

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	C_Ver	Rel
N1-031267	Alignment with TS for policy control over Gq interface	24.229	465	1	F	5.5.0	APPROVED
N1-031304	I-CSCF procedures for openness	24.229	472	1	B	5.5.0	APPROVED
N1-031300	Registration from multiple terminals and forking	24.229	473	1	B	5.5.0	REVISED into 433

Status: **PART - APPROVED.**

NP-030428 CR 24.229-473r2 on Registration from multiple terminals and forking: Nokia. **REVISED into 0433 before presentation.**

? **REVISED ?**

NP-030433 CR 24.229-473r2 on Registration from multiple terminals and forking: Nokia. **APPROVED.**

NP-030421 WID: IMS Stage-3 Enhancements CN1. **APPROVED.**

9.2 Support of Presence Capability [PRESNC]

NP-030395 CR pack: Corrections on Support of Presence Capability: CN4. **APPROVED.**

9.3 Security Enhancements[SEC1]

No Input to this agenda item.

9.4 Emergency Call Enhancements [EMC1]

No Input to this agenda item.

9.5 Speech Recognition and Speech Enabled Services[SRSES]

No Input to this agenda item.

9.6 Generic User Profile [GUP]

No Input to this agenda item.

9.7 OSA Enhancements [OSA3]

NP-030353 Revised Rel-6 Work Item Description for OSA Stage 3 (Update of CN#19-approved NP-030036) CN5. **APPROVED.**

9.8 Multimedia Broadcast and Multicast Service [MBMS]

NP-030422 WID: Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols. CN1. **APPROVED.**

9.9 IMS Messaging

No Input to this agenda item.

9.10 IMS Conferencing

NP-030425 Conferencing based on SIP, SDP and other protocols; Functional models, information flows and protocol details CN1.

Content: The document is a temporary container for the functional models, flows and protocol details for the conferencing capabilities within the IP Multimedia (IM) Core Network (CN) subsystem based on the Session Initiation Protocol (SIP), Session Description Protocol (SDP), SIP Events and other protocols currently under development in IETF. The main content of this report when stable will be moved into the Technical Specification 3GPP TS 24.147, material that is identified as being general to IMS (see chapter 9) will be shifted to 3GPP TS 24.229 [5] and possibly also to other TSs.

Status **NOTED.**

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

NP-030419 CR to Rel-6 on Work Item IMSCOOP towards 24.229 CN1. APPROVED.

9.12 Interworking IMS<->IP

NP-030343 CR pack: Interworking between the IM Subsystem and IP network CN3. APPROVED.

9.13 Interworking IMS<->CS

NP-030326 TS 29.163: "Interworking between the IM CN subsystem and CS networks" CN3. APPROVED.

9.14 Enhanced Dialed Services

No Input to this agenda item.

9.15 Bearer Independent Arch in PS

No Input to this agenda item.

9.16 MRFC to MRFP I/f (Mp)

No Input to this agenda item.

9.17 MGCF to IM MGW I/f (Mn)

No Input to this agenda item.

9.18 Small Technical Enhancements and Improvements

NP-030396 CR pack: Small Technical Enhancements and Improvements for GTP specification Rel-6 CN4. APPROVED.

NP-030397 CR pack: Small Technical Enhancements and Improvements for Rel-6 CN4. WITHDRAWN.

NP-030426 CR pack: Small Technical Enhancements and Improvements for Rel-6: CN4.

Discussion: Motorola had concerns with the use of a non critical editorial correction to create a new Release.

Status: **APPROVED.**

NP-030410 CR to Rel-6 on Work Item TEI6 towards 43.068 CN1. APPROVED.

NP-030420 CRs to Rel-6 on Work Item TEI6 towards 24.008, 24.011 and 44.065 CN1. APPROVED.

9.11 Any other Rel-6 WI

NP-030398 CR pack: Corrections on Location Service Enhancements Release 6: CN4. **WITHDRAWN.**

NP-030427 CR pack: Corrections on Location Service Enhancements Release 6: CN4. **APPROVED.**

NP-030399 Proposed WID: Support for subscriber certificates, stage 3: CN4.

Discussion: This WID is wider than CN4 only; there are implications also on CN1. It was agreed that this is a CN wide WID with CN4 as the lead group. CN1 will investigate what work is required in their group. Ericsson would like to see a more generic WID that would include all Cx like interfaces. This is more in alignment with the outcome of the SA3 workshop on this issue. Siemens and Alcatel added their support to this WID.

Status: **REVISED to 0441**

? **REVISED** ?

NP-030411 Proposed WID: Support for subscriber certificates, stage 3: CN4. **APPROVED.**

NP-030400 3GPP TS 29.234-v1.0.0 3GPP System to WLAN Interworking CN4. **NOTED.**

10 TSG CN work organization

10.1 Principles for work organization within CN

10.2 Terms of Reference

No Input to this agenda item.

10.3 Support Arrangements

No Input to this agenda item.

10.4 Working methods / Work Style

No Input to this agenda item.

10.5 Future Meeting Schedule

NP-030438 2003/4 Meeting schedule, source MCC. **NOTED.**

Comments: CN1 will possibly have a CN1 meeting in Jan 2004. Also CN1 will meet with SA3 in Oct 2003.

Note: After the meeting, the schedule was revised as follows due to the need to collocate with SA2 in February 2004.

Oct 2003				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	27 - 31 Oct 2003	Bangkok, JP Friends	TH
Dec 2003				
3GPPCN#22	OR	10 - 12 Dec 2003	Maui, Hawaii, NA & JP Friends	US
Feb 2004				
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	16 - 20 Feb 2004	t.b.d., NA Friends	US
Mar 2004				
3GPPCN#23	OR	10 - 12 Mar 2004	Phoenix, NA Friends	US
May 2004				
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	10 - 14 May 2004	Croatia, EF3	CR
Jun 2004				
3GPPCN#24	OR	2 - 4 Jun 2004	Seoul, TTA	KR
Aug 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	16 - 20 Aug 2004	Sophia, ETSI	FR
Sep 2004				
3GPPCN#25	OR	8 - 10 Sep 2004	Palm Springs, NA Friends	US
Nov 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	15 - 19 Nov 2004	t.b.d, Asia, JP Friends	
Dec 2004				
3GPPCN#26	OR	8 - 10 Dec 2004	Athens, EF3	GR

11 Specifications in TSG-CN domain

NP-030430 Specifications list. **MCC.**

Discussion: 43.005 is mislabelled as a TS when it is a TR. It will not be updated for Rel-6. Rapporteurs should check that there are no references to 43.005 in any other specifications.

Status: **NOTED - Will be updated before presentation to SA#21.**

12 Review of 3GPP Work Plan

NP-030321 3GPP Work Plan, source MCC. **NOTED.**

Status: **NOTED - Will be updated before presentation to SA#21.**

NP-030322 3GPP Work Plan [Slide Presentation] , source MCC

Comments: Comments were made online to the slides:-

Slide 34 – Mn Interface. Shows no progress since CN #20. Contributions received at CN4 #20 but no conclusions. More expected at CN4 #21; Mar 2004 is probably more realistic for completion. Same applies to Mp interface, which has dependency on Mn interface. The situation is similar for the CN3 work.

Slide 34: IMS local services. CN1 have no basis for deciding what work to do (no stage 2). Alain will raise the question to SA2; what is the status of the stage 2 on this issue?

Slide 35 – Gq interface. There is some concern in CN3 over the Mar 2004 date, but supporting companies say it's OK, so stick with Mar 2004

Slide 46: "teleservices using MBMS" should be "MBMS user services".

Slide 47 – no visibility for CN1 of possible work on Speech Enabled Services.

Slide 52 – Priority. No visibility of possible work for CN1 & CN4; they will review the TR from SA1, forwarded from CN #21.

Slide 55 – Subscriber Certificates. CN1 have discussed an input LS on this, but no real analysis yet; they suspect they will have to do something.

Slide 56 – OSA improvements. Based upon agreements from Biarritz, CN has decided to delete retrieval of visited network capabilities & enhanced user privacy in LCS. CN5 is waiting for SA1 decision on network functions for end user application support.

Slide 61: Remove the controversial statement about active members opposing move of charging work. Note that SA5 may have already sent a replacement for this slide to Alain.

Slide 83: The decision date is December 2003 (TSGs #22). There is concern that one WG meeting is insufficient to complete the stage 3. It is countered by the argument that it depends on how fast the stage 2 matures. It is impossible to know that it cannot be done. After this discussion, it is agreed to keep the estimated completion dates as shown, but indicate that there is a risk of slippage.

IMS phase 2 should move out to Jun 2004. The updates to the table of expected completion dates need to be reflected in the summary on slide 83.

Status: **REVISED to 0445 - Will be updated before presentation to SA#21.**

? **REVISED ?**

NP-030445 3GPP Work Plan [Slide Presentation] , source MCC

Status: **NOTED**

NP-030344 Overview of Release -5 Sultan, MCC.

Comments: This review document is stored on the 3GPP FTP server in the work plan area.

Status: **NOTED - Will be updated before presentation to SA#21.**

NP-030345 Overview of Release -6 Sultan, MCC. **WITHDRAWN.**

13 Postponed issues from earlier in the meeting

No Input to this agenda item.

14 Any other business

14.1 Election of CN vice-chairman

Day#1 @12:30 - 14:00 + Day#2 at 12:30 - 13:30

NP-030372 Candidate for TSG-CN vice-chairman: Hannu Hietalahti: Nokia. **NOTED.**

NP-030373 Candidate for TSG-CN vice-chairman: Iain Sharp: Nortel Networks. **NOTED.**

The outcome of the election (second round) was that Mr Iain Sharp of Nortel was elected as the new vice chair of TSG-CN. He will assume these functions from the end of TSG-CN#21 meeting.

14.2 Disposal of time-expired CN vice-chairman

NP-030333 Valeté omnes: CN vice-chairman

CN thanked Ian Park for his considerable contributions to the work carried out in both SMG and 3GPP and presented him with a few tokens of their appreciation.

15 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting at 16:15 on 18th September 2003.

ANNEX A: OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
NP-030440	LS on DNS domains used in 3GPP TS 23.003	GSMA IREG	CN4, CN1	NP-030370
NP-030444	Draft Reply LS for OMA Liaison with 3GPP re PoC	SA	-	-

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

TDoc #	Type	Spec	Tdoc Title	N_Versio	Source
NP-030326	TS	29.163	Interworking between the IM CN subsystem and CS networks	6.0.0	CN3

A.3 New / Revised Work Items Approved

Tdoc	Tdoc Title	Source	Rel
NP-030353	Revised Rel-6 Work Item Description for OSA Stage 3 (Update of CN#19-approved NP-030036)	CN5	Rel-6
NP-030421	IMS Stage-3 Enhancements	CN1	Rel-6
NP-030422	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	CN1	Rel-6
NP-030441	Proposed WID: Support for subscriber certificates, stage 3	CN4	Rel-6

A.4 Status of CRs following TSG CN Plenary meeting

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
03.68	A034	1	R99	F	NP-21	NP-030408	N1-031202	approved	Correction of uplink release management	8.2.0	8.3.0	N1	ASCI
03.68	A035	1	R96	F	NP-21	NP-030407	N1-031205	approved	Correction to definition of Group-ID, Group call area ID and	5.5.1	5.6.0	N1	ASCI
03.68	A036	1	R97	A	NP-21	NP-030407	N1-031206	approved	Correction to definition of Group-ID, Group call area ID and	6.3.0	6.4.0	N1	ASCI
03.68	A037	1	R98	A	NP-21	NP-030407	N1-031207	approved	Correction to definition of Group-ID, Group call area ID and	7.2.0	7.3.0	N1	ASCI
03.68	A038	1	R99	A	NP-21	NP-030407	N1-031208	approved	Correction to definition of Group-ID, Group call area ID and	8.2.0	8.3.0	N1	ASCI
03.69	A024	1	R96	F	NP-21	NP-030407	N1-031211	approved	Correction to definition of Group-ID, Group call area ID and	5.5.1	5.6.0	N1	ASCI
03.69	A025	1	R97	A	NP-21	NP-030407	N1-031212	approved	Correction to definition of Group-ID, Group call area ID and	6.3.0	6.4.0	N1	ASCI
03.69	A026	1	R98	A	NP-21	NP-030407	N1-031213	approved	Correction to definition of Group-ID, Group call area ID and	7.2.0	7.3.0	N1	ASCI
03.69	A027	1	R99	A	NP-21	NP-030407	N1-031214	approved	Correction to definition of Group-ID, Group call area ID and	8.2.0	8.3.0	N1	ASCI
23.009	099	-	Rel-5	F	NP-21	NP-030417	N1-031099	approved	Correction to UESB-Iu definition	5.5.0	5.6.0	N1	LATE_UE
23.122	059	-	R99	F	NP-21	NP-030405	N1-031053	approved	Removal of RPLMNAcT field	3.9.0	3.10.0	N1	TEI
23.122	060	-	Rel-4	A	NP-21	NP-030405	N1-031054	approved	Removal of RPLMNAcT field	4.3.0	4.4.0	N1	TEI
23.122	061	-	Rel-5	A	NP-21	NP-030405	N1-031055	approved	Removal of RPLMNAcT field	5.2.0	5.3.0	N1	TEI
23.218	057	-	Rel-5	F	NP-21	NP-030411	N1-031070	approved	Removal of Incorrect Information	5.5.0	5.6.0	N1	IMS-CCR
24.008	747	-	Rel-5	F	NP-21	NP-030416	N1-030998	approved	Correction of the static conditions for the backup bearer	5.8.0	5.9.0	N1	TEI5
24.008	787	-	Rel-6	A	NP-21	NP-030416	N1-030999	approved	Correction of the static conditions for the backup bearer	6.1.0	6.2.0	N1	TEI5
24.008	792	-	Rel-5	F	NP-21	NP-030416	N1-031004	approved	Deletion of EFRPLMNAcT	5.8.0	5.9.0	N1	TEI5
24.008	793	-	Rel-6	A	NP-21	NP-030416	N1-031005	approved	Deletion of EFRPLMNAcT	6.1.0	6.2.0	N1	TEI5
24.008	794	1	Rel-5	F	NP-21	NP-030416	N1-031225	approved	Clarification of handover - BC-IE	5.8.0	5.9.0	N1	TEI5
24.008	795	1	Rel-6	A	NP-21	NP-030416	N1-031226	approved	Clarification of handover - BC-IE	6.1.0	6.2.0	N1	TEI5
24.008	796	2	Rel-5	F	NP-21	NP-030346	NP-030346	approved	Support of the maximum bit rate for HSDPA	5.8.0	5.9.0	N1	HSDPA
24.008	797	2	Rel-6	A	NP-21	NP-030347	NP-030347	approved	Support of the maximum bit rate for HSDPA	6.1.0	6.2.0	N1	HSDPA
24.008	798	-	Rel-6	F	NP-21	NP-030420	N1-031056	approved	Source of the CS domain specific system information	6.1.0	6.2.0	N1	TEI6
24.008	799	1	Rel-6	F	NP-21	NP-030420	N1-031321	approved	Signaling connection release after GMM procedure	6.1.0	6.2.0	N1	TEI6
24.008	804	2	R99	F	NP-21	NP-030406	N1-031317	approved	Clarification of BC negotiation for multimedia calls	3.16.	3.17.0	N1	Multimedia
24.008	805	2	Rel-4	A	NP-21	NP-030406	N1-031318	approved	Clarification of BC negotiation for multimedia calls	4.11.	4.12.0	N1	Multimedia
24.008	806	2	Rel-5	A	NP-21	NP-030406	N1-031319	approved	Clarification of BC negotiation for multimedia calls	5.8.0	5.9.0	N1	Multimedia
24.008	807	2	Rel-6	A	NP-21	NP-030406	N1-031320	approved	Clarification of BC negotiation for multimedia calls	6.1.0	6.2.0	N1	Multimedia
24.008	810	1	R99	F	NP-21	NP-030405	N1-031180	approved	Change of DTM core capability	3.16.	3.17.0	N1	TEI
24.008	811	1	Rel-4	A	NP-21	NP-030405	N1-031181	approved	Change of DTM core capability	4.11.	4.12.0	N1	TEI
24.008	812	1	Rel-5	A	NP-21	NP-030405	N1-031182	approved	Change of DTM core capability	5.8.0	5.9.0	N1	TEI
24.008	813	1	Rel-6	A	NP-21	NP-030405	N1-031183	approved	Change of DTM core capability	6.1.0	6.2.0	N1	TEI
24.008	814	1	Rel-5	F	NP-21	NP-030416	N1-031311	approved	Introduction of mobile station multislot power classes	5.8.0	5.9.0	N1	TEI5
24.008	815	1	Rel-6	A	NP-21	NP-030416	N1-031312	approved	Introduction of mobile station multislot power classes	6.1.0	6.2.0	N1	TEI5
24.011	031	-	Rel-6	F	NP-21	NP-030420	N1-031325	approved	Unspecified SAPI value in RANAP message for MT SMS (Iu	5.2.0	6.0.0	N1	TEI6
24.228	113	-	Rel-5	F	NP-21	NP-030411	N1-031011	approved	Removal of address binding by P-CSCF in registration flows	5.5.0	5.6.0	N1	IMS-CCR
24.228	114	1	Rel-5	F	NP-21	NP-030411	N1-031237	approved	Corrections on MGCF handling CS originating or terminating	5.5.0	5.6.0	N1	IMS-CCR
24.228	115	1	Rel-5	F	NP-21	NP-030411	N1-031262	approved	Update Handling of SA chap_6_7_8	5.5.0	5.6.0	N1	IMS-CCR

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
24.228	116	1	Rel-5	F	NP-21	NP-030411	N1-031263	approved	Update Handling of SA chap_ 10	5.5.0	5.6.0	N1	IMS-CCR
24.228	117	1	Rel-5	F	NP-21	NP-030411	N1-031264	approved	Update Handling of SA chap_16_17_18	5.5.0	5.6.0	N1	IMS-CCR
24.229	444	2	Rel-5	F	NP-21	NP-030412	N1-031328	approved	All non-REGISTER requests must be integrity protected	5.5.0	5.6.0	N1	IMS-CCR
24.229	445	-	Rel-5	F	NP-21	NP-030412	N1-031010	approved	Download of all service profiles linked to PUID being registered	5.5.0	5.6.0	N1	IMS-CCR
24.229	448	3	Rel-5	F	NP-21	NP-030412	N1-031326	approved	Authentication at UE	5.5.0	5.6.0	N1	IMS-CCR
24.229	449	1	Rel-5	F	NP-21	NP-030412	N1-031242	approved	Nework authentication failure at the UE	5.5.0	5.6.0	N1	IMS-CCR
24.229	451	3	Rel-5	F	NP-21	NP-030412	N1-031327	approved	Handling of security association	5.5.0	5.6.0	N1	IMS-CCR
24.229	452	1	Rel-5	F	NP-21	NP-030412	N1-031274	approved	Re-authentication timer at S-CSCF	5.5.0	5.6.0	N1	IMS-CCR
24.229	455	2	Rel-5	F	NP-21	NP-030412	N1-031285	approved	Authentication failure at S-CSCF	5.5.0	5.6.0	N1	IMS-CCR
24.229	456	2	Rel-5	F	NP-21	NP-030413	N1-031276	approved	Subscription termination sent by the S-CSCF	5.5.0	5.6.0	N1	IMS-CCR
24.229	457	-	Rel-5	F	NP-21	NP-030413	N1-031032	approved	Subscription termination at the P-CSCF	5.5.0	5.6.0	N1	IMS-CCR
24.229	458	-	Rel-5	F	NP-21	NP-030413	N1-031033	approved	Network -initiated deregistration at P-CSCF	5.5.0	5.6.0	N1	IMS-CCR
24.229	459	1	Rel-5	F	NP-21	NP-030349	N1-031232r	approved	Notification about registration status at AS	5.5.0	5.6.0	N1	IMS-CCR
24.229	461	1	Rel-5	F	NP-21	NP-030413	N1-031233	approved	Service profile	5.5.0	5.6.0	N1	IMS-CCR
24.229	465	1	Rel-6	F	NP-21	NP-030418	N1-031267	approved	Alignment with TS for policy control over Gq interface	5.5.0	6.0.0	N1	IMS2
24.229	466	1	Rel-5	F	NP-21	NP-030413	N1-031246	approved	Requirements on Preconditions	5.5.0	5.6.0	N1	IMS-CCR
24.229	467	1	Rel-5	F	NP-21	NP-030413	N1-031238	approved	Call forwarding cleanup	5.5.0	5.6.0	N1	IMS-CCR
24.229	468	-	Rel-5	F	NP-21	NP-030413	N1-031094	approved	Update of references	5.5.0	5.6.0	N1	IMS-CCR
24.229	470	1	Rel-5	F	NP-21	NP-030414	N1-031314	approved	Adding P-Asserted-Identity headers to NE initiated	5.5.0	5.6.0	N1	IMS-CCR
24.229	472	1	Rel-6	B	NP-21	NP-030418	N1-031304	approved	I-CSCF procedures for openness	5.5.0	6.0.0	N1	IMS2
24.229	473	3	Rel-6	B	NP-21	NP-030433	NP-030433	approved	Registration from multiple terminals and forking	5.5.0	6.0.0	N1	IMS2
24.229	479	1	Rel-5	F	NP-21	NP-030414	N1-031247	approved	Replace USIM by ISIM for user identity storage	5.5.0	5.6.0	N1	IMS-CCR
24.229	480	3	Rel-6	B	NP-21	NP-030419	N1-031333	approved	Access Independent IMS	5.5.0	6.0.0	N1	IMSCOOP
24.229	481	1	Rel-5	F	NP-21	NP-030414	N1-031248	approved	24.229 R5 CR: Corrections to Profile Tables	5.5.0	5.6.0	N1	IMS-CCR
24.229	482	-	Rel-5	F	NP-21	NP-030414	N1-031140	approved	24.229 R5 CR: Setting of SUBSCRIBE expiration time	5.5.0	5.6.0	N1	IMS-CCR
24.229	483	3	Rel-5	F	NP-21	NP-030414	N1-031335	approved	24.229 R5 CR: Alignment of IMS Compression with RFC 3486	5.5.0	5.6.0	N1	IMS-CCR
29.018	036	-	R99	F	NP-21	NP-030405	N1-031039	approved	Aligning IMEI in 29.018 with 23.003	3.10.	3.11.0	N1	TEI
29.018	037	-	Rel-4	A	NP-21	NP-030405	N1-031040	approved	Aligning IMEI in 29.018 with 23.003	4.4.0	4.5.0	N1	TEI
29.018	038	-	Rel-5	A	NP-21	NP-030405	N1-031041	approved	Aligning IMEI in 29.018 with 23.003	5.4.0	5.5.0	N1	TEI
29.018	039	-	Rel-5	F	NP-21	NP-030417	N1-031120	approved	Correction to location update procedures in VLR	5.4.0	5.5.0	N1	LATE_UE
43.068	009	1	Rel-4	A	NP-21	NP-030408	N1-031203	approved	Correction of uplink release management	4.2.2	4.3.0	N1	ASCI
43.068	010	1	Rel-5	A	NP-21	NP-030408	N1-031204	approved	Correction of uplink release management	5.2.0	5.3.0	N1	ASCI
43.068	011	1	Rel-4	A	NP-21	NP-030407	N1-031209	approved	Correction to definition of Group-ID, Group call area ID and	4.2.2	4.3.0	N1	ASCI
43.068	012	1	Rel-5	A	NP-21	NP-030407	N1-031210	approved	Correction to definition of Group-ID, Group call area ID and	5.2.0	5.3.0	N1	ASCI
43.068	013	1	Rel-5	F	NP-21	NP-030409	N1-031217	approved	Correction to MS Late Entry description	5.2.0	5.3.0	N1	TEI5
43.068	014	2	Rel-6	F	NP-21	NP-030410	N1-031332	approved	Dispatcher signalled mute/unmute of talkers downlink and	5.2.0	6.0.0	N1	TEI6
43.069	008	1	Rel-4	A	NP-21	NP-030407	N1-031215	approved	Correction to definition of Group-ID, Group call area ID and	4.2.2	4.3.0	N1	ASCI
43.069	009	1	Rel-5	A	NP-21	NP-030407	N1-031216	approved	Correction to definition of Group-ID, Group call area ID and	5.2.0	5.3.0	N1	ASCI
43.069	010	1	Rel-5	F	NP-21	NP-030409	N1-031218	approved	Correction to MS Late Entry description	5.2.0	5.3.0	N1	TEI5
44.065	006	2	Rel-5	F	NP-21	NP-030416	N1-031229	approved	Correction to References	5.0.0	5.1.0	N1	TEI5
44.065	007	-	Rel-6	A	NP-21	NP-030416	N1-031074	approved	Correction to References	6.0.0	6.1.0	N1	TEI5

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
44.065	008	1	Rel-6	F	NP-21	NP-030420	N1-031283	approved	Corrections on Compression details	6.0.0	6.1.0	N1	TEI6
24.229	459	1	Rel-5	F	NP-21	NP-030415	N1-031232	revised	Notification about registration status at AS	5.5.0		N1	IMS-CCR
24.229	473	1	Rel-6	B	NP-21	NP-030418	N1-031300	revised	Registration from multiple terminals and forking	5.5.0		N1	IMS2
24.229	473	2	Rel-6	B	NP-21	NP-030428	NP-030433	withdrawn	Registration from multiple terminals and forking	5.5.0		N1	IMS2
23.078	523	5	Rel-5	F	NP-21	NP-030365	N2-030466	approved	Handling of Connect operation with and without LegID	5.4.0	5.5.0	N2	CAMEL4
23.078	524	4	Rel-5	F	NP-21	NP-030365	N2-030467	approved	Handling of Information Flows with absent LegID and CS ID	5.4.0	5.5.0	N2	CAMEL4
23.078	530	2	Rel-5	F	NP-21	NP-030364	N2-030456	approved	Using ATI for Mobile Number Portability	5.4.0	5.5.0	N2	CAMEL4
23.078	558	-	Rel-5	F	NP-21	NP-030368	N2-030334	approved	Correction to partial implementation of CAMEL4	5.4.0	5.5.0	N2	CAMEL4
23.078	570	2	Rel-5	F	NP-21	NP-030365	N2-030433	approved	Update of charging spec. references	5.4.0	5.5.0	N2	CAMEL4
23.078	573	2	Rel-5	F	NP-21	NP-030365	N2-030427	approved	Reporting Disconnect (leg n)	5.4.0	5.5.0	N2	CAMEL4
23.078	575	-	Rel-5	F	NP-21	NP-030365	N2-030331	approved	Correction to procedure CAMEL_ICA_MSC	5.4.0	5.5.0	N2	CAMEL4
23.078	584	-	Rel-5	F	NP-21	NP-030363	N2-030398	approved	Direction change of incoming message Answer	5.4.0	5.5.0	N2	CAMEL4
23.078	600	2	Rel-4	A	NP-21	NP-030362	N2-030417	approved	Correction in handling of Start-Delta and Stop-Delta operations.	4.9.0	4.10.0	N2	CAMEL3
23.078	601	-	Rel-5	F	NP-21	NP-030365	N2-030345	approved	Corection of "Int_leg_Status_Report" to avoid double state	5.4.0	5.5.0	N2	CAMEL4
23.078	602	1	Rel-5	F	NP-21	NP-030368	N2-030441	approved	Alignment of Offered CAMEL4 functionalities	5.4.0	5.5.0	N2	CAMEL4
23.078	603	-	Rel-5	F	NP-21	NP-030366	N2-030338	approved	Correction to SMS Event Disarming	5.4.0	5.5.0	N2	CAMEL4
23.078	604	1	Rel-5	F	NP-21	NP-030366	N2-030463	approved	Correction to SMS Error handling	5.4.0	5.5.0	N2	CAMEL4
23.078	605	-	Rel-5	F	NP-21	NP-030367	N2-030347	approved	Correction to PlayTone pre-conditions	5.4.0	5.5.0	N2	CAMEL4
23.078	608	-	Rel-5	F	NP-21	NP-030363	N2-030351	approved	Correction to procedure Handle_O_Answer	5.4.0	5.5.0	N2	CAMEL4
23.078	609	-	Rel-5	F	NP-21	NP-030365	N2-030352	approved	Correction to usage of LegId in ICA Operation	5.4.0	5.5.0	N2	CAMEL4
23.078	610	1	Rel-5	F	NP-21	NP-030363	N2-030426	approved	Replacing the check box "pty continues" by "LegActive" in	5.4.0	5.5.0	N2	CAMEL4
23.078	611	1	Rel-5	F	NP-21	NP-030365	N2-030431	approved	Correction to Apply Charging and Apply Charging Report due to	5.4.0	5.5.0	N2	CAMEL4
23.078	612	1	Rel-5	F	NP-21	NP-030363	N2-030403	approved	Receiving Int_CWA after reporting Abandon	5.4.0	5.5.0	N2	CAMEL4
23.078	614	-	Rel-5	F	NP-21	NP-030368	N2-030366	approved	Correction to Change of position processes	5.4.0	5.5.0	N2	CAMEL4
23.078	615	-	Rel-5	F	NP-21	NP-030368	N2-030367	approved	Correction on MG-CSI sending to the SGSN	5.4.0	5.5.0	N2	CAMEL4
23.078	616	-	Rel-5	F	NP-21	NP-030365	N2-030376	approved	Allow user interaction at answer DP	5.4.0	5.5.0	N2	CAMEL4
23.078	617	3	Rel-5	F	NP-21	NP-030367	N2-030472	approved	Handling of concurrent tones	5.4.0	5.5.0	N2	CAMEL4
23.078	620	1	Rel-5	F	NP-21	NP-030369	N2-030458	approved	Correction to InitialDP for SCUDIF	5.4.0	5.5.0	N2	CAMEL4
23.078	621	-	R99	F	NP-21	NP-030362	N2-030416	approved	Correction in handling of Start-Delta and Stop-Delta operations.	3.17.	3.18.0	N2	CAMEL3
23.078	622	-	Rel-5	A	NP-21	NP-030362	N2-030425	approved	Correction in handling of Start-Delta and Stop-Delta operations	5.4.0	5.5.0	N2	CAMEL3
23.278	043	2	Rel-5	F	NP-21	NP-030374	N2-030438	approved	Incorrect handling of failure SIP response for MT	5.3.0	5.4.0	N2	IMS-CAMEL
23.278	044	2	Rel-5	F	NP-21	NP-030374	N2-030465	approved	Setting of Timers not specified for IMSSF process	5.3.0	5.4.0	N2	IMS-CAMEL
23.278	045	1	Rel-5	F	NP-21	NP-030374	N2-030443	approved	Incorrect handling of failure SIP response for MO	5.3.0	5.4.0	N2	IMS-CAMEL
29.078	313	1	Rel-5	F	NP-21	NP-030365	N2-030428	approved	Correction to parameter name in Connect Operation	5.4.0	5.5.0	N2	CAMEL4
29.078	322	1	Rel-5	F	NP-21	NP-030365	N2-030353	approved	Definition of Leg Id for ICA	5.4.0	5.5.0	N2	CAMEL4
29.078	325	1	Rel-5	F	NP-21	NP-030365	N2-030460	approved	Correction to CAP Operation Error values	5.4.0	5.5.0	N2	CAMEL4
29.078	326	-	Rel-5	F	NP-21	NP-030367	N2-030336	approved	Correction to PlayTone pre-conditions	5.4.0	5.5.0	N2	CAMEL4
29.078	327	1	Rel-5	F	NP-21	NP-030365	N2-030432	approved	Correction to Apply Charging and Apply Charging Report due to	5.4.0	5.5.0	N2	CAMEL4
29.078	328	1	Rel-5	F	NP-21	NP-030366	N2-030462	approved	Usage of Alphanumeric Characters in SMS Address Fields	5.4.0	5.5.0	N2	CAMEL4
29.078	329	2	Rel-5	F	NP-21	NP-030365	N2-030468	approved	MoveLeg precondition for source and target CS	5.4.0	5.5.0	N2	CAMEL4
29.078	330	2	Rel-5	F	NP-21	NP-030369	N2-030470	approved	Correction to InitialDP for SCUDIF	5.4.0	5.5.0	N2	CAMEL4

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
29.078	331	1	Rel-5	F	NP-21	NP-030369	N2-030471	approved	Introduction of extensibility mechanism in Release 5	5.4.0	5.5.0	N2	CAMEL4
23.172	014	3	Rel-5	F	NP-21	NP-030330	N3-030644	approved	Supplementary service interaction with SCUDIF calls	5.1.0	5.2.0	N3	SCUDIF
23.172	015	4	Rel-5	F	NP-21	NP-030330	N3-030662	approved	Repeat subscription checking in MO SCUDIF call	5.1.0	5.2.0	N3	SCUDIF
23.172	016	2	Rel-5	F	NP-21	NP-030330	N3-030614	approved	SCUDIF HLR Interrogation	5.1.0	5.2.0	N3	SCUDIF
23.172	017	1	Rel-5	F	NP-21	NP-030331	N3-030627	approved	Callflows for Service change during the active state	5.1.0	5.2.0	N3	SCUDIF
23.172	018	1	Rel-5	F	NP-21	NP-030328	N3-030652	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	5.1.0	5.2.0	N3	TEI
23.910	046	1	Rel-4	F	NP-21	NP-030327	N3-030639	approved	Clarification of Handover description	4.7.0	4.8.0	N3	CSSPLIT
23.910	047	1	Rel-5	A	NP-21	NP-030327	N3-030640	approved	Clarification of Handover description	5.3.0	5.4.0	N3	CSSPLIT
24.022	012	2	Rel-5	F	NP-21	NP-030342	N3-030653	approved	Usage of RLP versions	5.3.0	5.4.0	N3	TEI
27.001	100	3	Rel-5	A	NP-21	NP-030328	N3-030658	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	5.6.0	5.7.0	N3	TEI
27.001	102	1	R99	F	NP-21	NP-030328	N3-030656	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	3.12.	3.13.0	N3	TEI
27.001	103	1	Rel-4	A	NP-21	NP-030328	N3-030657	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	4.10.	4.11.0	N3	TEI
27.060	086	2	Rel-5	F	NP-21	NP-030332	N3-030619	approved	Correcting concept description from media level to IP level	5.4.0	5.5.0	N3	E2EQoS
27.060	087	1	Rel-5	F	NP-21	NP-030340	N3-030574	approved	Correcting that SBLP is needed for applying functions	5.4.0	5.5.0	N3	E2EQoS
29.007	080	2	Rel-5	A	NP-21	NP-030328	N3-030651	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	5.6.0	5.7.0	N3	TEI
29.007	081	1	Rel-5	A	NP-21	NP-030329	N3-030572	approved	Alignment of negotiation rules with 27.001	5.6.0	5.7.0	N3	TEI
29.007	083	2	Rel-4	F	NP-21	NP-030327	N3-030637	approved	Clarification of Handover description	4.8.0	4.9.0	N3	CSSPLIT
29.007	084	2	Rel-5	A	NP-21	NP-030327	N3-030638	approved	Clarification of Handover description	5.6.0	5.7.0	N3	CSSPLIT
29.007	085	-	R99	F	NP-21	NP-030329	N3-030570	approved	Alignment of negotiation rules with 27.001	3.12.	3.13.0	N3	TEI
29.007	086	-	Rel-4	A	NP-21	NP-030329	N3-030571	approved	Alignment of negotiation rules w ith 27.001	4.8.0	4.9.0	N3	TEI
29.007	087	-	R99	F	NP-21	NP-030328	N3-030649	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	3.12.	3.13.0	N3	TEI
29.007	088	-	Rel-4	A	NP-21	NP-030328	N3-030650	approved	Interpretation of "no BC-IE in CALL PROC/CONF messages"	4.8.0	4.9.0	N3	TEI
29.207	101	2	Rel-5	F	NP-21	NP-030332	N3-030620	approved	Correcting concept description from media level to IP level	5.4.0	5.5.0	N3	E2EQoS
29.207	102	1	Rel-5	F	NP-21	NP-030337	N3-030577	approved	Correcting definition of flow id	5.4.0	5.5.0	N3	E2EQoS
29.207	103	1	Rel-5	F	NP-21	NP-030337	N3-030578	approved	Correcting the definition of authorization token and adding the	5.4.0	5.5.0	N3	E2EQoS
29.207	104	1	Rel-5	F	NP-21	NP-030334	N3-030579	approved	Corrections regarding RTP/RTCP bandwidth	5.4.0	5.5.0	N3	E2EQoS
29.207	105	1	Rel-5	F	NP-21	NP-030335	N3-030580	approved	Closing the gate at HOLD	5.4.0	5.5.0	N3	E2EQoS
29.207	106	2	Rel-5	F	NP-21	NP-030336	N3-030621	approved	Response to remove decision	5.4.0	5.5.0	N3	E2EQoS
29.208	036	2	Rel-5	F	NP-21	NP-030338	N3-030655	approved	Clarification on the use of the inactive attribute at the beginning	5.4.0	5.5.0	N3	E2EQoS
29.208	039	2	Rel-5	F	NP-21	NP-030332	N3-030623	approved	Correcting concept description from media level to IP level	5.4.0	5.5.0	N3	E2EQoS
29.208	040	3	Rel-5	F	NP-21	NP-030334	N3-030635	approved	Correcting the calculation of RTCP bandwidth	5.4.0	5.5.0	N3	E2EQoS
29.208	041	2	Rel-5	F	NP-21	NP-030338	N3-030628	approved	Examples of deriving the Maximum Authorized parameters from	5.4.0	5.5.0	N3	E2EQoS
29.208	043	1	Rel-5	F	NP-21	NP-030335	N3-030581	approved	Closing the gate at HOLD	5.4.0	5.5.0	N3	E2EQoS
29.208	044	-	Rel-5	F	NP-21	NP-030336	N3-030537	approved	Response to remove decision	5.4.0	5.5.0	N3	E2EQoS
29.208	045	1	Rel-5	F	NP-21	NP-030338	N3-030583	approved	Handling of SIP CANCEL Request	5.4.0	5.5.0	N3	E2EQoS
29.208	047	4	Rel-5	F	NP-21	NP-030338	N3-030664	approved	Handling of SIP 200 OK with inactive media	5.4.0	5.5.0	N3	E2EQoS
29.962	001	1	Rel-6	D	NP-21	NP-030343	N3-030594	approved	Editorial Corrections	6.0.0	6.1.0	N3	E2EQoS
23.172	017	1	Rel-5	F	NP-21	NP-030431	N3-030627	withdrawn	Callflows for Service change during the active state	5.1.0		N3	SCUDIF
29.061	093	1	Rel-5	F	NP-21	NP-030339	N3-030573	revised	Alignment of 29.061 with 29.207	5.6.0		N3	E2EQoS
29.061	093	1	Rel-5	F	NP-21	NP-030432	N3-030573	revised	Alignment of 29.061 with 29.207	5.6.0		N3	E2EQoS-IW
03.03	A059	1	R96	F	NP-21	NP-030379	N4-031044	approved	Correction to definition of Group ID, Group call area ID and	5.4.1	5.5.0	N4	ACSI

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
03.03	A060	1	R97	A	NP-21	NP-030379	N4-031045	approved	Correction to definition of Group ID, Group call area ID and	6.7.0	6.8.0	N4	ACSI
03.03	A061	1	R98	A	NP-21	NP-030379	N4-031046	approved	Correction to definition of Group ID, Group call area ID and	7.7.0	7.8.0	N4	ACSI
09.02	A337	1	R96	F	NP-21	NP-030379	N4-031047	approved	Correction of encoding description of Group-Id	5.18.	5.19.0	N4	ASCI
09.02	A338	1	R97	A	NP-21	NP-030379	N4-031048	approved	Correction of encoding description of Group-Id	6.13.	6.14.0	N4	ASCI
09.02	A339	1	R98	A	NP-21	NP-030379	N4-031049	approved	Correction of encoding description of Group-Id	7.13.	7.14.0	N4	ASCI
23.003	070	-	R99	A	NP-21	NP-030379	N4-030883	approved	Correction to definition of Group ID, Group call area ID and	3.12.	3.13.0	N4	ASCI
23.003	071	-	Rel-4	A	NP-21	NP-030379	N4-030884	approved	Correction to definition of Group ID, Group call area ID and	4.6.0	4.7.0	N4	ASCI
23.003	072	-	Rel-5	A	NP-21	NP-030379	N4-030885	approved	Correction to definition of Group ID, Group call area ID and	5.6.0	5.7.0	N4	ASCI
23.003	073	2	Rel-6	B	NP-21	NP-030394	N4-031060	approved	PSI definition	5.6.0	6.0.0	N4	IMS2-CCR
23.008	122	2	Rel-5	F	NP-21	NP-030388	N4-031066	approved	Addition of a list of authorized visited network identifiers	5.5.0	5.6.0	N4	TEI5
23.012	012	-	Rel-5	F	NP-21	NP-030391	N4-030814	approved	Correction of misaligned signal names between VLR and PVLR	5.1.0	5.2.0	N4	TEI5
23.012	013	1	Rel-5	F	NP-21	NP-030390	N4-031005	approved	Corrections to "Early UE" handling	5.1.0	5.2.0	N4	LATE_UE
23.018	128	-	Rel-5	F	NP-21	NP-030390	N4-030845	approved	Corrections to "Early UE" handling	5.7.0	5.8.0	N4	LATE_UE
23.018	132	-	Rel-6	F	NP-21	NP-030426	N4-030959	approved	Removal of SIWF material	5.7.0	6.0.0	N4	TEI6
23.018	133	-	Rel-5	F	NP-21	NP-030387	N4-031025	approved	SCUDIF HLR Interrogation	5.7.0	5.8.0	N4	SCUDIF
23.066	026	1	Rel-5	F	NP-21	NP-030392	N4-030984	approved	Incorrect CAMEL pre-paid charging in MNP networks	5.1.0	5.2.0	N4	MNP
23.079	025	4	Rel-5	F	NP-21	NP-030385	N4-030978	approved	Correction to interaction between ORLCF and forwarding	5.2.0	5.3.0	N4	CAMEL4
23.079	026	1	Rel-5	F	NP-21	NP-030387	N4-031055	approved	Notification of the 2nd BSG in case of Late CF with OR	5.2.0	5.3.0	N4	SCUDIF
23.153	062	1	Rel-4	F	NP-21	NP-030380	N4-031032	approved	Clarification on codec modification	4.8.0	4.9.0	N4	OoBTC
23.153	063	1	Rel-5	A	NP-21	NP-030380	N4-031033	approved	Clarification on codec modification	5.5.0	5.6.0	N4	OoBTC
23.153	066	1	Rel-4	F	NP-21	NP-030380	N4-031034	approved	Clarification of luUP Initialisation during codec modification	4.8.0	4.9.0	N4	OoBTC
23.153	067	1	Rel-5	A	NP-21	NP-030380	N4-031035	approved	Clarification of luUP Initialisation during codec modification	5.5.0	5.6.0	N4	OoBTC
24.080	029	-	Rel-5	F	NP-21	NP-030386	N4-030827	approved	Reduce maximum length of "LCS Requestor ID" and "LCS	5.3.0	5.4.0	N4	LCS1
29.002	582	2	Rel-4	F	NP-21	NP-030378	N4-031041	approved	Correction to MAP Process Secure_MAP_DSM SDLs	4.12.	4.13.0	N4	Security
29.002	583	2	Rel-5	A	NP-21	NP-030378	N4-031042	approved	Correction to MAP Process Secure_MAP_DSM SDLs	5.6.2	5.7.0	N4	Security
29.002	584	2	Rel-6	A	NP-21	NP-030378	N4-031043	approved	Correction to MAP Process Secure_MAP_DSM SDLs	6.2.0	6.3.0	N4	Security
29.002	613	3	Rel-5	F	NP-21	NP-030387	N4-031058	approved	HLR Interrogation for SCUDIF calls	5.6.2	5.7.0	N4	SCUDIF
29.002	614	3	Rel-6	A	NP-21	NP-030387	N4-031059	approved	HLR Interrogation for SCUDIF calls	6.2.0	6.3.0	N4	SCUDIF
29.002	615	2	Rel-5	F	NP-21	NP-030392	N4-031068	approved	Incorrect Charging with MNP	5.6.2	5.7.0	N4	MNP
29.002	616	2	Rel-6	A	NP-21	NP-030392	N4-031069	approved	Incorrect Charging with MNP	6.2.0	6.3.0	N4	MNP
29.002	636	2	Rel-5	F	NP-21	NP-030391	N4-030952	approved	Provision of SDL diagrams and removal of redundant text in	5.6.2	5.7.0	N4	TEI5
29.002	637	1	Rel-6	A	NP-21	NP-030391	N4-030953	approved	Provision of SDL diagrams and removal of redundant text in	6.2.0	6.3.0	N4	TEI5
29.002	638	-	Rel-5	F	NP-21	NP-030391	N4-030744	approved	Provision of SDL diagrams and removal of redundant text in	5.6.2	5.7.0	N4	TEI5
29.002	639	-	Rel-6	A	NP-21	NP-030391	N4-030745	approved	Provision of SDL diagrams and removal of redundant text in	6.2.0	6.3.0	N4	TEI5
29.002	640	-	Rel-5	F	NP-21	NP-030391	N4-030746	approved	Provision of SDL diagrams and removal of redundant text in	5.6.2	5.7.0	N4	TEI5
29.002	641	-	Rel-6	A	NP-21	NP-030391	N4-030747	approved	Provision of SDL diagrams and removal of redundant text in	6.2.0	6.3.0	N4	TEI5
29.002	642	-	Rel-6	F	NP-21	NP-030426	N4-030748	approved	Removal of SIWF description	6.2.0	6.3.0	N4	TEI6
29.002	643	-	Rel-6	D	NP-21	NP-030426	N4-030749	approved	Deletion of redundant Annex D	6.2.0	6.3.0	N4	TEI6
29.002	644	-	Rel-6	D	NP-21	NP-030426	N4-030785	approved	Incorrect CAMEL pre-paid charging in MNP networks	6.2.0	6.3.0	N4	TEI6
29.002	645	1	Rel-6	B	NP-21	NP-030427	N4-031038	approved	Introduction of North American Interim Location Based Routing	6.2.0	6.3.0	N4	LCS2
29.002	646	1	Rel-5	F	NP-21	NP-030390	N4-030921	approved	UESBI format	5.6.2	5.7.0	N4	LATE_UE

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
29.002	647	1	Rel-6	A	NP-21	NP-030390	N4-030922	approved	UESBI format	6.2.0	6.3.0	N4	LATE_UE
29.002	648	-	Rel-6	D	NP-21	NP-030426	N4-030815	approved	Correction of wrong AC name in the table in 17.1.6	6.2.0	6.3.0	N4	TEI6
29.002	649	-	Rel-6	F	NP-21	NP-030426	N4-030806	approved	Correction of References	6.2.0	6.3.0	N4	TEI6
29.002	650	1	Rel-6	F	NP-21	NP-030426	N4-031006	approved	Add SGSN, GGSN, GMLC, gsmSCF, NPLR and AuC to	6.2.0	6.3.0	N4	TEI6
29.002	654	-	Rel-6	B	NP-21	NP-030427	N4-030824	approved	New LCS Service Types	6.2.0	6.3.0	N4	LCS2
29.002	656	-	Rel-5	F	NP-21	NP-030386	N4-030826	approved	Reduce maximum length of "LCS Requestor ID" and "LCS	5.6.2	5.7.0	N4	LCS1
29.002	657	-	Rel-6	A	NP-21	NP-030386	N4-030828	approved	Reduce maximum length of "LCS Requestor ID" and "LCS	6.2.0	6.3.0	N4	LCS1
29.002	659	2	Rel-5	F	NP-21	NP-030387	N4-031056	approved	Notification of the 2nd BSG in case of Late CF with OR	5.6.2	5.7.0	N4	SCUDIF
29.002	660	2	Rel-6	A	NP-21	NP-030387	N4-031057	approved	Notification of the 2nd BSG in case of Late CF with OR	6.2.0	6.3.0	N4	SCUDIF
29.002	661	1	R99	A	NP-21	NP-030379	N4-031050	approved	Correction of encoding description of Group-Id	3.17.	3.18.0	N4	ASCI
29.002	662	1	Rel-4	A	NP-21	NP-030379	N4-031051	approved	Correction of encoding description of Group-Id	4.12.	4.13.0	N4	ASCI
29.002	663	1	Rel-5	A	NP-21	NP-030379	N4-031052	approved	Correction of encoding description of Group-Id	5.6.2	5.7.0	N4	ASCI
29.002	664	1	Rel-6	A	NP-21	NP-030379	N4-031053	approved	Correction of encoding description of Group-Id	6.2.0	6.3.0	N4	ASCI
29.002	671	-	Rel-6	D	NP-21	NP-030426	N4-030951	approved	SS-Barring Category	6.2.0	6.3.0	N4	TEI6
29.002	674	-	Rel-6	F	NP-21	NP-030427	N4-031065	approved	Positioning Data for UTRAN LCS	6.2.0	6.3.0	N4	LCS2
29.010	091	-	Rel-5	F	NP-21	NP-030390	N4-030866	approved	Addition of Early UE specific cause code mapping	5.3.1	5.4.0	N4	LATE_UE
29.010	092	2	Rel-6	F	NP-21	NP-030426	N4-031064	approved	Information transfer at MAF-E interface during inter MSC	5.3.1	6.0.0	N4	TEI6
29.060	432	-	Rel-4	F	NP-21	NP-030381	N4-030808	approved	Correction of incorrect reference to a withdrawn specification	4.8.0	4.9.0	N4	TEI4
29.060	433	-	Rel-5	A	NP-21	NP-030381	N4-030809	approved	Correction of incorrect reference to a withdrawn specification	5.6.0	5.7.0	N4	TEI4
29.060	434	-	Rel-6	A	NP-21	NP-030381	N4-030810	approved	Correction of incorrect reference to a withdrawn specification	6.1.0	6.2.0	N4	TEI4
29.060	436	1	Rel-6	F	NP-21	NP-030396	N4-031011	approved	Removal of End User Address from Create Subsequent PDP	6.1.0	6.2.0	N4	TEI6
29.060	448	2	Rel-6	F	NP-21	NP-030396	N4-031016	approved	GTP Cause Modification	6.1.0	6.2.0	N4	TEI6
29.060	453	2	Rel-6	F	NP-21	NP-030396	N4-031054	approved	GGSN Handling of Update PDP Context Response	6.1.0	6.2.0	N4	TEI6
29.060	454	-	Rel-5	F	NP-21	NP-030390	N4-031003	approved	Change of Early UE feature to PUESBINE	5.6.0	5.7.0	N4	LATE_UE
29.060	455	-	Rel-6	A	NP-21	NP-030390	N4-031004	approved	Change of Early UE feature to PUESBINE	6.1.0	6.2.0	N4	LATE_UE
29.228	041	2	Rel-6	B	NP-21	NP-030395	N4-030991	approved	Introduction of Presence Stage 3 (Px) to the Cx interface	5.4.0	6.0.0	N4	PRESNC
29.228	042	2	Rel-5	F	NP-21	NP-030383	N4-030997	approved	Error in S-CSCF Assignment Type	5.4.0	5.5.0	N4	IMS-CCR
29.228	051	2	Rel-5	F	NP-21	NP-030383	N4-030995	approved	Mistakes in the XML schema	5.4.0	5.5.0	N4	IMS-CCR
29.228	052	-	Rel-6	B	NP-21	NP-030394	N4-030831	approved	Sharing public identities across multiple Ues	5.4.0	6.0.0	N4	IMS2-CCR
29.228	055	1	Rel-5	F	NP-21	NP-030383	N4-030998	approved	Extensibility of the public identity structure in the XML schema	5.4.0	5.5.0	N4	IMS-CCR
29.229	022	1	Rel-5	F	NP-21	NP-030383	N4-030999	approved	Correction on the PPR command code	5.4.0	5.5.0	N4	IMS-CCR
29.328	032	2	Rel-5	F	NP-21	NP-030384	N4-031000	approved	Incorrect message flow in 29.328	5.4.0	5.5.0	N4	IMS-CCR
29.328	033	2	Rel-5	F	NP-21	NP-030384	N4-031067	approved	Correction of Sh data definition in Annex C and D	5.4.0	5.5.0	N4	IMS-CCR
29.328	035	2	Rel-5	F	NP-21	NP-030384	N4-031002	approved	Mistakes in the XML schema	5.4.0	5.5.0	N4	IMS-CCR
23.003	074	1	Rel-5	F	NP-21	NP-030389	N4-031036	rejected	Changes to enable the GSMA root DNS architecture	5.6.0		N4	TEI5
23.003	074	2	Rel-5	F	NP-21	NP-030370	NP-030370r	rejected	Changes to enable the GSMA root DNS architecture	5.6.0		N4	TEI_5
23.018	132	-	Rel-6	F	NP-21	NP-030397	N4-030959	withdrawn	Removal of SIWF material	5.7.0		N4	TEI6
23.066	024	2	Rel-5	B	NP-21	NP-030393	N4-030987	rejected	SRF-based solution for correct charging of calls to ported or	5.1.0		N4	MNP
29.002	596	1	Rel-5	B	NP-21	NP-030393	N4-030804	rejected	SRF-based solution for correct charging of calls to ported or	5.6.2		N4	MNP
29.002	597	1	Rel-6	B	NP-21	NP-030393	N4-030805	rejected	SRF-based solution for correct charging of calls to ported or	6.2.0		N4	MNP
29.002	642	-	Rel-6	F	NP-21	NP-030397	N4-030748	withdrawn	Removal of SIWF description	6.2.0		N4	TEI6

Spec	CR	Rev	Phase	Cat	Meetin	Plenary doc	WG doc	TSG status	Subject	CR	Resulti	WG	Workitem
29.002	643	-	Rel-6	D	NP-21	NP-030397	N4-030749	withdrawn	Deletion of redundant Annex D	6.2.0		N4	TEI6
29.002	644	-	Rel-6	D	NP-21	NP-030397	N4-030785	withdrawn	Incorrect CAMEL pre-paid charging in MNP networks	6.2.0		N4	TEI6
29.002	645	1	Rel-6	B	NP-21	NP-030398	N4-031038	withdrawn	Introduction of North American Interim Location Based Routing	6.2.0		N4	LCS2
29.002	648	-	Rel-6	D	NP-21	NP-030397	N4-030815	withdrawn	Correction of wrong AC name in the table in 17.1.6	6.2.0		N4	TEI6
29.002	649	-	Rel-6	F	NP-21	NP-030397	N4-030806	withdrawn	Correction of References	6.2.0		N4	TEI6
29.002	650	1	Rel-6	F	NP-21	NP-030397	N4-031006	withdrawn	Add SGSN, GGSN, GMLC, gsmSCF, NPLR and AuC to	6.2.0		N4	TEI6
29.002	654	-	Rel-6	B	NP-21	NP-030398	N4-030824	withdrawn	New LCS Service Types	6.2.0		N4	LCS2
29.002	671	-	Rel-6	D	NP-21	NP-030397	N4-030951	withdrawn	SS-Barring Category	6.2.0		N4	TEI6
29.002	674	-	Rel-6	F	NP-21	NP-030397	N4-031065	withdrawn	Positioning Data for UTRAN LCS	6.2.0		N4	TEI6
29.010	092	2	Rel-6	F	NP-21	NP-030397	N4-031064	revised	Information transfer at MAF-E interface during inter MSC	5.3.1		N4	TEI6
29.060	435	-	R99	F	NP-21	NP-030382	N4-030816	rejected	Correction of incorrect reference	3.17.		N4	TEI
29.198-01	024	-	Rel-5	F	NP-21	NP-030352	N5-030412	approved	Correction to Java Realisation Annex	5.2.0	5.3.0	N5	OSA2
29.198-02	036	-	Rel-5	F	NP-21	NP-030352	N5-030413	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-03	085	-	Rel-5	F	NP-21	NP-030352	N5-030414	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-04-1	007	-	Rel-5	F	NP-21	NP-030352	N5-030415	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-04-2	008	-	Rel-5	F	NP-21	NP-030352	N5-030416	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-04-3	014	-	Rel-5	F	NP-21	NP-030352	N5-030417	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-04-4	009	-	Rel-5	F	NP-21	NP-030352	N5-030418	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-05	039	-	Rel-5	F	NP-21	NP-030352	N5-030420	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-06	023	-	Rel-5	F	NP-21	NP-030352	N5-030421	approved	Correction to Java Realisation Annex	5.2.0	5.3.0	N5	OSA2
29.198-07	014	-	Rel-5	F	NP-21	NP-030352	N5-030422	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-08	026	-	Rel-5	F	NP-21	NP-030352	N5-030423	approved	Correction to Java Realisation Annex	5.3.0	5.4.0	N5	OSA2
29.198-11	020	-	Rel-5	F	NP-21	NP-030352	N5-030426	approved	Correction to Java Realisation Annex	5.2.0	5.3.0	N5	OSA2
29.198-12	022	-	Rel-5	F	NP-21	NP-030352	N5-030427	approved	Correction to Java Realisation Annex	5.2.0	5.3.0	N5	OSA2
29.198-13	004	-	Rel-5	F	NP-21	NP-030352	N5-030428	approved	Correction to Java Realisation Annex	5.1.0	5.2.0	N5	OSA2
29.198-14	013	-	Rel-5	F	NP-21	NP-030352	N5-030429	approved	Correction to Java Realisation Annex	5.2.0	5.3.0	N5	OSA2
25.213	063	1	Rel-5	F	NP-21	RP-030502	R1-030862	rejected	Scrambling code & phase reference combinations for DL HS	5.3.0		R1	HSDPA-Phys

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

ANNEX B Tdoc List with Status

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030315	2	AGENDA	DRAFT Agenda for CN#21 Meeting			CN Chair		APPROVED
NP-030316	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #21: beginning of day 1			CN vice-chairman		NOTED
NP-030317	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #21: end of day 2			CN vice-chairman		NOTED
NP-030318	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #21: end of day 3			CN vice-chairman		NOTED
NP-030319	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #21: end of day 4			CN vice-chairman		WITHDRAWN
NP-030320	4.1	REPORT	Draft Meeting Report from CN#20			MCC		APPROVED
NP-030321	12	WORK PLAN	Latest version of 3GPP Workplan			Sultan, MCC		NOTED
NP-030322	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)			Sultan, MCC		NOTED
NP-030323	6.3.1	Report	CN3 Status Report to CN Plenary			CN3 Chair		NOTED
NP-030324	6.3.1	Report	Draft Meeting Report from CN3#29 Meeting			CN3		NOTED
NP-030325	6.3.1	LS Pack	LSs outgoing from CN3 between CN#20 and CN#21			CN3		NOTED
NP-030326	9.13	TS	29.163 "Interworking between the IM CN subsystem and CS networks"	IMS-CCR-IWCS	Rel-6	CN3		APPROVED
NP-030327	7.8	CR PACK	Clarification of Handover Description	CSSPLIT	Rel-4	CN3		APPROVED
NP-030328	7.11	CR PACK	Interpretation of "no BC-IE" in CALL PROCEEDING/CONFIRMED Messages	TEI	R99	CN3		APPROVED
NP-030329	7.11	CR PACK	Alignment of Negotiation Rules between UE and MSC/IWF	TEI	R99	CN3		APPROVED
NP-030330	8.7	CR PACK	Service Change and UDI fall back for CS multimedia (SCUDIF	SCUDIF	Rel-5	CN3		APPROVED
NP-030331	8.7	CR PACK	Service Change and UDI fall back for CS multimedia (SCUDIF	SCUDIF	Rel-5	CN3		APPROVED
NP-030332	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#1	E2eQoS	Rel-5	CN3		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030333	14	OTHER	Valete omnes			CN vice-chairman		NOTED
NP-030334	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#2	E2eQoS	Rel-5	CN3		APPROVED
NP-030335	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#3	E2eQoS	Rel-5	CN3		APPROVED
NP-030336	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#4	E2eQoS	Rel-5	CN3		APPROVED
NP-030337	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#5	E2eQoS	Rel-5	CN3		APPROVED
NP-030338	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#6	E2eQoS	Rel-5	CN3		APPROVED
NP-030339	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#7	E2eQoS	Rel-5	CN3		REVISED TO 0342
NP-030340	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#8	E2eQoS	Rel-5	CN3		APPROVED
NP-030341	8.9	CR PACK	RADIUS protocol at GGSN	TEI5	Rel-5	CN3		WITHDRAWN
NP-030342	8.9	CR PACK	Usage of RLP version	TEI5	Rel-5	CN3		APPROVED
NP-030343	9.12	CR PACK	Interworking between the IM Subsystem and IP network	IMS-CCR-IWIP	Rel-6	CN3		APPROVED
NP-030344	12	DISCUSSION DOC	Overview of Release-5			Sultan, MCC		NOTED
NP-030345	12	DISCUSSION DOC	Overview of Release-6			Sultan, MCC		WITHDRAWN
NP-030346	6.1.2	CR	Support of the maximum bit rate for HSDPA	HSDPA	Rel-5	NEC/Yukio Kawanami	24.008	APPROVED
NP-030347	6.1.2	CR	Support of the maximum bit rate for HSDPA	HSDPA	Rel-6	NEC/Yukio Kawanami	24.008	APPROVED
NP-030348	6.1.2	Draft LS OUT	Draft Reply LS for OMA Liaison with 3GPP re PoC	IMS phase2	Rel-6	NEC/Yukio Kawanami		REVISED TO 0442
NP-030349	8.1	CR	Notification about registration status at AS	IMS-CCR	Rel-5	Lucent Technologies / Keith Drane		APPROVED
NP-030350	6.5.1	REPORT	Chair's report from CN5 (slide presentation)	OSA		CN5 Chair		REVISED TO 0437
NP-030351	6.5.1	REPORT	Draft Report of CN5#24, San Francisco, USA, 14-18 July 2003 (N5-030307)	OSA		CN5 Chair		NOTED
NP-030352	8.2	CR	15 Rel-5 CRs 29.198-xy OSA API Parts 1-14: Correction to Java Realisation Annex	OSA2	Rel-5	CN5		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030353	9.7	WID	Revised Rel-6 Work Item Description for OSA Stage 3 (Update of CN#19-approved NP-030036)	OSA3	Rel-6	CN5		APPROVED
NP-030354	5.3	LS IN	Liaison Statement on Status of ITU-T Draft Rec. Q.SNFB [LS-02]			ITU-T Q.1/SSG		NOTED
NP-030355	5.2	LS IN	LS on TR 22.952, Priority Service Guide – request for review and comment [S1-030935]	Priority Service	Rel-6	SA2		NOTED - FORWARDED to CN1/CN4
NP-030356	5.2	LS IN	Reply to LS on future codecs with same SDU format as existing codecs [S4-030573]		Rel-6	SA4		NOTED
NP-030357	5.2	LS IN	Response LS on Security Association Lifetime Management[S3-03044]	IMS-CCR	Rel-5	SA3		NOTED
NP-030358	5.3	LS IN	Need for OMA Liaison with 3GPP and 3GPP2 re PoC [OMA - REQ-2003-0409R03]	Push-to-Talk over Cellular		OMA		NOTED
NP-030359	6.2.1	Report	CN2 Status Report to CN Plenary	-	-	CN2 Chair		NOTED
NP-030360	6.2.1	Report	CN2# 30 Draft Meeting report and CN2 AdHoc meeting report	-	-	CN2		NOTED
NP-030361	6.2.1	LS PACK	LSs sent from CN2 since CN#20			CN2		NOTED
NP-030362	7.1	CR Pack	CRs to R99 WI CAMEL3	CAMEL3	R99	CN2		APPROVED
NP-030363	8.3	CR Pack1	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030364	8.3	CR Pack2	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030365	8.3	CR Pack3	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030366	8.3	CR Pack4	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030367	8.3	CR Pack5	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030368	8.3	CR Pack6	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030369	8.3	CR Pack7	CRs to Rel-5 WI CAMEL4	CAMEL4	Rel-5	CN2		APPROVED
NP-030370	8.8	CR	Changes to enable the GSMA root DNS architecture	TEI5	Rel-5	Vodafone, Ericsson		REFERRED BACK TO CN4 FOR FURTHER STUDY
NP-030371	8.8	LS OUT	Response LS on DNS Top Level Domains used in 3GPP TS 23.003	TEI5	Rel-5	Vodafone		REVISED TO 0440
NP-030372	14.1	Candidature	Candidature for Hannu Hietalahti			Nokia		NOTED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030373	14.1	Candidature	Candidature for Iain Sharpe			Nortel		NOTED
NP-030374	8.3	CR Pack	CRs to Rel-5 WI IMS-CAMEL	IMS-CAMEL	Rel-5	CN2		APPROVED
NP-030375	6.4.1	INFO	Status report from CN4 to TSG-CN Plenary Meeting #20			CN4		NOTED
NP-030376	6.4.1	INFO	CN4 meeting report after CN#20			CN4		REVISED TO 0434
NP-030377	6.4.1	INFO	CN4 Output LSs after CN#20			CN4		NOTED
NP-030378	7.2	CR Pack	Corrections on Security	Security	Rel-4	CN4		APPROVED
NP-030379	7.12	CR Pack	ASCI corrections	ASCI	R96	CN4		APPROVED
NP-030380	7.7	CR Pack	Corrections on Transcoder Free Operation Release 4	OoBTC	Rel-4	CN4		APPROVED
NP-030381	7.11	CR Pack	Small corrections on technical enhancements and improvements for GPRS Release 4	TEI4	Rel-4	CN4		APPROVED
NP-030382	7.11	CR Pack	Small corrections on technical enhancements and improvements for R99	TEI	R99	CN4		REFERRED BACK to CN4
NP-030383	8.1	CR Pack	Corrections on IP-based Multimedia Services Cx/Dx-interface	IMS-CCR	Rel-5	CN4		APPROVED
NP-030384	8.1	CR Pack	Corrections on IP-based Multimedia Services Sh-interface	IMS-CCR	Rel-5	CN4		APPROVED
NP-030385	8.3	CR Pack	Corrections on Camel Phase 4	Camel4	Rel-5	CN4		APPROVED
NP-030386	8.4	CR Pack	Corrections on Location Service Enhancements Release 5	LCS1	Rel-5	CN4		APPROVED
NP-030387	8.7	CR Pack	Corrections on Service change and UDI fallback Release 5	SCUDIF	Rel-5	CN4		APPROVED
NP-030388	8.8	CR Pack	Small Technical Enhancements and Improvements for Rel-5	TEI5	Rel-5	CN4		APPROVED
NP-030389	8.8	CR Pack	Small Technical Enhancements and Improvements for Rel-5	TEI5	Rel-5	CN4		REFERRED BACK TO CN4 FOR FURTHER STUDY
NP-030390	8.8	CR Pack	Corrections on Early UE	Late_UE	Rel-5	CN4		APPROVED
NP-030391	8.8	CR Pack	Small Technical Enhancements and Improvements for MAP	TEI5	Rel-5	CN4		APPROVED
NP-030392	8.9	CR Pack	Corrections on MNP	MNP	Rel-5	CN4		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030393	8.9	CR Pack	Corrections on MNP	MNP	Rel-5	CN4		REJECTED
NP-030394	9.1	CR Pack	Enhancements to the CX and Sh interfaces	IMS2-CCR	Rel-6	CN4		APPROVED
NP-030395	9.2	CR Pack	Corrections on Support of Presence Capability	PRESNC	Rel-6	CN4		APPROVED
NP-030396	9.18	CR Pack	Small Technical Enhancements and Improvements for GTP specification Rel-6	TEI6	Rel-6	CN4		APPROVED
NP-030397	9.18	CR Pack	Small Technical Enhancements and Improvements for Rel-6	TEI6	Rel-6	CN4		WITHDRAWN
NP-030398	9.19	CR Pack	Corrections on Location Service Enhancements Release 6	LCS2	Rel-6	CN4		WITHDRAWN
NP-030399	9.19	WID	Proposed WID: Support for subscriber certificates, stage 3	SEC1-SC	Rel-6	CN4		REVISED TO 0441
NP-030400	9.19	3GPP TS/Info	3GPP TS 29.234-v1.0.0 3GPP System to WLAN Interworking	WLAN	Rel-6	CN4		NOTED
NP-030401	5.3	LS IN	Liaison Statement on EC Requirements on Emergency Telecommunications	EMTEL		OCG EMTEL		NOTED - FORWARDED to CN1/CN4
NP-030402	6.1.1	REPORT	Status Report for TSG CN WG1			CN1 Chair		NOTED
NP-030403	6.1.1	REPORT	CN1#31 Meeting Report			MCC		NOTED
NP-030404	6.1.1	LS PACK	All LSs sent from CN1 since TSG CN#20 Meeting			MCC		NOTED
NP-030405	7.11	CR PACK	CRs to R99 (with mirror CRs) on Work Item TEI towards 23.122, 24.008 and 29.018	TEI	R99	CN1		APPROVED
NP-030406	7.12	CR PACK	CR to R99 (with mirror CRs) on Work Item Multimedia towards 24.008	Multimedia	R99	CN1		APPROVED
NP-030407	7.12	CR PACK	CRs to R96 (with mirror CRs) on Work Item ASCI towards 03.68, 03.69, 43.068 and 43.069	ASCI	R96	CN1		APPROVED
NP-030408	7.12	CR PACK	CR to R99 (with mirror CRs) on Work Item ASCI towards 03.68 and 43.068	ASCI	R99	CN1		APPROVED
NP-030409	8.8	CR PACK	CRs to Rel-5 on Work Item TEI5 towards 43.068 and 43.069	TEI5	Rel-5	CN1		APPROVED
NP-030410	9.18	CR PACK	CR to Rel-6 on Work Item TEI6 towards 43.068	TEI6	Rel-6	CN1		APPROVED
NP-030411	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 23.218 and 24.228	IMS-CCR	Rel-5	CN1		APPROVED
NP-030412	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 1	IMS-CCR	Rel-5	CN1		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030413	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 2	IMS-CCR	Rel-5	CN1		APPROVED
NP-030414	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 3	IMS-CCR	Rel-5	CN1		APPROVED
NP-030415	8.1	CR PACK	CR to Rel-5 on Work Item IMS-CCR towards 24.229,- CR459r1	IMS-CCR	Rel-5	CN1		REVISED TO 0349
NP-030416	8.8	CR PACK	CRs to Rel-5 (with mirror CRs) on Work Item TEI5 towards 24.008 and 44.065	TEI5	Rel-5	CN1		APPROVED
NP-030417	8.9	CR PACK	CRs to Rel-5 on Work Item LATE_UE towards 23.009 and 29.018	LATE_UE	Rel-5	CN1		APPROVED
NP-030418	9.1	CR PACK	CRs to Rel-6 on Work Item IMS2 towards 24.229	IMS2	Rel-6	CN1		PART APPROVED
NP-030419	9.11	CR PACK	CR to Rel-6 on Work Item IMSCOOP towards 24.229	IMSCOOP	Rel-6	CN1		APPROVED
NP-030420	9.18	CR PACK	CRs to Rel-6 on Work Item TEI6 towards 24.008, 24.011 and 44.065	TEI6	Rel-6	CN1		APPROVED
NP-030421	9.1	WID	IMS Stage-3 Enhancements	IMS2	Rel-6	CN1		APPROVED
NP-030422	9.8	WID	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	MBMS	Rel-6	CN1		APPROVED
NP-030423	4.3	REPORT	IETF status report			CN Chair		NOTED
NP-030424	6.6	REPORT	ITU-T coord ad-hoc report			CN Chair		WITHDRAWN
NP-030425	9.10	TR	Conferencing based on SIP, SDP and other protocols;Functional models, information flows and protocol details	IMS2	Rel-6	CN1		NOTED
NP-030426	9.18	CR Pack	Small Technical Enhancements and Improvements for Rel-6	TEI6	Rel-6	CN4		APPROVED
NP-030427	9.19	CR Pack	Corrections on Location Service Enhancements Release 6	LCS2	Rel-6	CN4		APPROVED
NP-030428	9.1	CR	CR to 24.229 "Registration from multiple terminals and forking".	IMS2	Rel-6	Nokia		REVISED TO 0433
NP-030429	4.1	REPORT	Draft Meeting Report from CN2#20			MCC		NOTED
NP-030430	11	LIST	Specs status list prior to TSGs#21			JMM,MCC		NOTED
NP-030431	7.12	DISCUSSION DOC	Inter-network accounting for BS30 based services such as video telephony			T-Mobile , vodafone		APPROVED
NP-030432	8.5	CR PACK	End-to-end Quality of Service: Go interface Pack#7	E2eQoS	Rel-5	CN3		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Rel	Source	Spec	Status
NP-030433	9.1	CR	CR to 24.229 "Registration from multiple terminals and forking".	IMS2	Rel-6	Nokia		APPROVED
NP-030434	6.4.1	INFO	CN4 meeting report after CN#20			CN4		NOTED
NP-030435	5.3	REPORT	Output from Joint 3GPP-OMA Workshop			Joint Chairs		NOTED
NP-030436	5.2	LS IN	LS to TSG CN on the documents to be considered for the Revision 4 of Recommendation ITU-R M.1457			TSG_RAN		NOTED
NP-030437	6.5.1	REPORT	Chair's report from CN5 (slide presentation)	OSA		CN5 Chair		NOTED
NP-030438	10.5	CALENDAR	2003/4 Meeting schedule			MCC		NOTED
NP-030439	8.8	DISCUSSION DOC	Result of Teleconf on the issue of GSMA root DNS architecture			CN Chair		NOTED
NP-030440	8.8	LS OUT	Response LS on DNS Top Level Domains used in 3GPP TS 23.003	TEI5	Rel-5	Vodafone		APPROVED
NP-030441	9.19	WID	Proposed WID: Support for subscriber certificates, stage 3	SEC1-SC	Rel-6	CN4		APPROVED
NP-030442	6.1.2	Draft LS OUT	Draft Reply LS for OMA Liaison with 3GPP re PoC	IMS phase2	Rel-6	NEC/Yukio Kawanami		REVISED TO 0444
NP-030443	5.3	LS IN	Consent of Q.2630.3, Q.2631.1, and Q.2632.1			ITU-T		NOTED
NP-030444	6.1.2	Draft LS OUT	Draft Reply LS for OMA Liaison with 3GPP re PoC	IMS phase2	Rel-6	NEC/Yukio Kawanami		APPROVED
NP-030445	12	Work Plan	Latest version of 3GPP Workplan (SLIDES)			MCC		NOTED

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History

Document History	
up to 18 th Sept 2003	DRAFT v0.0.1, 002 distributed in meeting. v0.0.2 send to TSG CN Officials for comments
24 th Sept 2003	DRAFT v1.1.0 Presented to TSG-SA#21 (SP-030537)
24 th Sept 2003	<p>DRAFT v1.1.1 placed to meeting server and dispatched to the TSG-CN mail exploder for comments.</p> <p>Comments to be addressed to:</p> <p>Mr. David Boswarthick, 3GPP TSG CN MCC Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 E-mail: david.boswarthick@ETSI.org</p> <p>A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.</p> <p>E-mail comments back by 10th Oct 2003</p>
10 th Dec 2003	<i>Final v2.0.0 approved at TSG#22 Meeting– Made version 3.0.0 and placed to server as the official meeting report.</i>