

***DRAFT***



**Third Generation Partnership Project**

**DRAFT** MEETING REPORT v1.1.0

**3GPP TSG-CN#21**

Frankfurt, Germany.  
17 TO 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 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.

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## 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. Kunihiko Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

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## 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 Allocation of documents to agenda items (end of day 3). Source: CN vice-chairman. **WITHDRAWN**

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## 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/>).

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## 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.

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## 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 1<sup>st</sup> 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).**



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## 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. Siemens expects to bring contributions to the next CN4 meeting.

**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.**

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## 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.**

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## 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 8<sup>th</sup> 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.

<b>TDoc #</b>	<b>Tdoc Title</b>	<b>Spec</b>	<b>CR #</b>	<b>Rev</b>	<b>CAT</b>	<b>C_Version</b>	<b>STATUS</b>
N1-031099	Correction to UESBI-lu 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.**

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## **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.

Oct 2003				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	27 - 31 Oct 2003	Bangkok, JP Friends	TH
Dec 2003				
<a href="#">3GPPCN-#22</a>	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	Malaga, EF3	SP
Mar 2004				
<a href="#">3GPPCN#23</a>	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				
<a href="#">3GPPCN#24</a>	OR	2 - 4 Jun 2004	KOREA	KR
Aug 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	16 - 20 Aug 2004	t.b.d, NA Friends	US
Sep 2004				
<a href="#">3GPPCN#25</a>	OR	8 - 10 Sep 2004	US	US
Nov 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	15 - 19 Nov 2004	t.b.d, Asia	
Dec 2004				
<a href="#">3GPPCN#26</a>	OR	8 - 10 Dec 2004	Athens	GR

**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				
<a href="#">3GPPCN-#22</a>	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				
<a href="#">3GPPCN#23</a>	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				
<a href="#">3GPPCN#24</a>	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				
<a href="#">3GPPCN#25</a>	OR	8 - 10 Sep 2004	t.b.d., US	US
Nov 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	15 - 19 Nov 2004	t.b.d, Asia	
Dec 2004				
<a href="#">3GPPCN#26</a>	OR	8 - 10 Dec 2004	Athens, EF3	GR

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## 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.**

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## 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.**

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## 13 Postponed issues from earlier in the meeting

No Input to this agenda item.

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## 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 Valette 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.

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## 15 Close of Meeting

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



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## 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	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem

**Note:- Updated from master Spec\_status dbase on xxx**

**For latest details please see the 3GPP specifications database at [ftp://ftp.3gpp.org/Information/Databases/Spec\\_Status/](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 /		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

<b>Document History</b>	
up to 18 <sup>th</sup> Sept 2003	DRAFT v0.0.1, 002 distributed in meeting. v0.0.2 send to TSG CN Officials for comments
	DRAFT v1.0.0 Presented to TSG-SA#21 (SP-030502)
	<p>DRAFT v1.1.0 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: <a href="mailto:david.boswarthick@ETSI.org">david.boswarthick@ETSI.org</a></p> <p>A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.</p> <p style="text-align: center;"><b>E-mail comments back by xxx</b></p>
	DRAFT v1.2.0 (with rev marks placed to FTP server)
	<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>