



Third Generation Partnership Project

DRAFT MEETING REPORT v2.0.0

3GPP TSG-CN#20

HÄMEENLINNA, Finland.
4th - 6th June, 2003

Hosted by:

NOKIA

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CN Chairman's Executive Summary

This meeting was the final opportunity to approve "nice-to-have" CRs against Rel 5. After CN#20, Rel 5 goes into "Deep Freeze" meaning that more rigorous criteria must be fulfilled to approve CRs against Rel 5. This resulted in a large volume of CRs against IMS and a major cleanup of MAP. Exceptions are however provided to allow the completion of the following tasks at CN#21:

- SRF based solution for Mobile Number Portability (the IN Solution was approved at CN#20)
- A solution for HLR interrogation for SCUDIF (one or two step interrogation)
- Security Association lifetime corrections to align with SA3 requirements clarifications
- Addition of JAVA code annex to the OSA specifications

No Release 5 exception was granted to address the pageability problem due to RRC mis-synchronization when out of service. This issue was discussed in a joint CN/RAN meeting. Although there is ambiguity in the CN specifications, it is unclear that this leads to frequent and severe mis-operation. The RAN CRs are apparently not dependent on the clarification of the CN PLMN selection behaviour for these cases. It may be more appropriate to address these issues as part of the emergency call enhancement work planned for Release 6.

The CRs relating to lu UP re-initialization were not approved. Instead SA4 was asked to clarify if they could live with the future restriction that codecs using the same SDU format must be distinguishable. CN4 is directed to provide CRs to CN#21. If a single solution cannot be agreed, then alternative CRs may be proposed and a vote taken at CN#21.

Due to the LS received from GSMA indicating that they would attempt to ensure deployment of all necessary network fixes by Q3 2003, no UE workaround CRs were agreed.

Based upon the RAN decision that early UE handling would use the bitmap, a set of CRs were agreed providing the CN component of this solution. Two alternatives exist depending on the GERAN decision on UESBI transport over the A interface. Thus the specifications affected by these CRs cannot be resolved until the next GERAN plenary.

CN agreed the following working assumption: Use of IETF protocols over Ut interface (UE Data Manipulation).

TR 29.962 (Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage) was approved.

The following new WIDs were approved:

- Enhancements to Cx and Sh (NP-030229)
- Gq - Dynamic Policy Control – Stage 3 (NP-030198)

The following WIDs were revised

- Emergency Call Enhancements IP & PS (NP-030287)
- ~~Enhancements to Cx and Sh (NP-030229)~~
- IMS Stage 3 (NP-030286)
- Presence (NP-030302)
- Interworking IMS<->CS (NP-030292)
- MBMS (NP-030288)

Since Ian Park is stepping down as CN vice-chair at CN#21, there will be an election for a new CN vice-chair.

1 Opening, of the meeting

Ms. Susanna Kaillo of Nokia welcomed the delegates to HÄMEENLINNA 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-030155 Draft agenda for CN #20 meeting. MCC. **APPROVED.**

NP-030156 Allocation of documents to agenda items (start of day 1). Source: CN vice-chairman. **NOTED.**

NP-030157 Allocation of documents to agenda items (end of day 1). Source: CN vice-chairman. **NOTED.**

NP-030158 Allocation of documents to agenda items (end of day 2). Source: CN vice-chairman. **NOTED.**

NP-030159 Allocation of documents to agenda items (end of day 3). Source: CN vice-chairman. **NOTED.**

3 IPR declarations

The Chairman reminded delegates of 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 delegates were 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 TSG CN and the CN working groups

?? to notify the Director-General or 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

4 Meeting Reports

4.1 Report from CN#19 meeting

NP-030160 Draft report from CN #19 meeting. Source: MCC

Status: **APPROVED.**

4.2 Reports from other groups

No Input to this agenda item.

4.3 IETF coordination report

NP-030257 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 to this agenda item.

5 Incoming liaisons

5.1 From TSG-CN working groups

NP-030172 Response LS on Radio Access Bearer for PS conversational testing [N3-030452], CN3.

Discussion: CN copied for info only.

Status: **NOTED.**

NP-030176 LS on User Data Management architecture requirements [N5-030286], CN5.

Content: CN5 have been informed by SA1 that further work is required to define how the User Data Management Function is implemented in the network. As a result, SA1 requested SA2 to review the requirements and to introduce the User Data Management Service Capability Feature (SCF) in TS 23.127.

CN5 would like to inform SA2 that CN5 are not able to progress the definition of the Stage 3 enhancements for this new Release 6 capability until the requirements are completed.

CN5 asks SA2 to take note that CN5 cannot work on the requirement for User Data Management until SA2 provide guidance on the architectural impacts of this new feature plus the relevant updates to 23.127. CN5 encourage SA2 to make progress on this issue.

CN5 invites CN to note that until the architectural implications of this OSA Rel-6 requirement are clarified, CN5 will not be able to complete the work on Stage 3 OSA Rel-6. This may result in the User Data Management Function being removed from Release 6.

Discussion: CN5 cannot progress some of their Rel-6 work until the Stage 1 and 2 is further progressed.

Status: **NOTED.**

NP-030181 LS on Protocols over the Mt interface [N1-030566], CN1.

Content: Outdated LS (as CN1 have had one meeting since sending this).

Status: **NOTED.**

NP-030182 LS on IPv6 DNS server discovery in release 99 and release 4 [N1-030548], CN1.

Content: Over the past 2 years, 3GPP has made ways to align support of IPv6 in GPRS according to IETF standards. During this time, how to provide the UE with DNS server address(es) has been an issue not fully resolved or completed. Originally the possibilities considered for the 3GPP UE to get IPv6 DNS server address(es) were the following methods:

- Method 1; DNS Discovery (the progress of this work in IETF is uncertain).
- Method 2; DHCPv6 (this has been work in progress in IETF, now completed).
- Method 3; Manual or OTA configuration (the exact mechanism is out of scope of 3GPP standardisation).

Note also that the PPP option for DNS IPv6 discovery (as available in IPv4) is not available according to current IETF RFCs or stable Internet Drafts.

CN1 and CN3 have already introduced a GPRS specific generic method to introduce the IPv6 DNS server address to release 5. This generic mechanism is described in 24.008, 27.060 and 29.061.

The reasons for proposing the same generic GPRS specific mechanism for release 99 and release 4 are similar to what have already been approved for release 5.

The following is proposed:

The same GPRS specific mechanism for DNS IPv6 server address discovery as available in release 5 is introduced for release 99 and release 4. This means that the same method to download the IPv6 DNS server address will be available from the introduction of IPv6 for vendors and operators taking IPv6 into operation prior to release 5.

Ericsson offers to submit CRs to 24.008, 27.060 and 29.061 to CN! and they are presented to CN plenary for approval

Status: **NOTED.**

NP-030252 LS on The Introduction of Anonymous Subscribers and the Lid interface [N4-030607], CN4.

Content: SA2's proposal that OMA Location Working Group should develop the protocol for the Lid interface is acceptable to 3GPP TSG CN WG4; we believe that OMA Location Working Group are the group

best able to do this work.

In order to save unnecessary document handling, 3GPP TSG CN WG4 would be grateful if OMA Location Working Group would provide periodic reports of their progress on the development of the protocol for the Lid interface (and the protocols for the Lr and Lpp interfaces) to 3GPP TSG CN as well as to 3GPP TSG CN WG4.

3GPP TSG CN WG4 ask 3GPP TSG SA2 and OMA-Location Working Group to take note of their endorsement of SA2's proposal that OMA Location Working Group should develop the protocol for the Lid interface.

3GPP TSG CN WG4 ask OMA-Location Working Group to provide to 3GPP TSG CN and 3GPP TSG CN WG4 periodic reports of the progress on the development work on the protocols for the Lid, Lpp and Lr interfaces.

Status: **NOTED.**

5.2 From other 3GPP groups

NP-030177 LS on Stage 3 work for Early UE handling [G2-030437] GERAN2

Content: GERAN2 would like to inform SA2 and the other groups addressed in this Liaison Statement that GERAN2 has agreed what is considered to be the minimum set of changes for the GERAN handling of 'early UEs'. These changes are restricted to the A interface and relate to the addition of a new cause for the failure of the handover to UMTS procedure. This cause enables the BSC not to attempt further handovers to UMTS for the mobile station involved. Furthermore, at external handover, the old BSC notifies the new BSC of the MS condition, so that further handovers to UMTS in the new BSC can be prevented for the mobile station in question. The stage 3 CR containing these changes (modifications to BSSAP in 3GPP TS 48.008) has been agreed by GERAN2 and it will be submitted for approval by TSG GERAN #15 at the end of June.

Regarding whether or not the BSC should receive and use the UESBI, GERAN2 has not concluded on this issue as yet and hence the agreed changes described above do not include it. It is GERAN2's understanding that this is consistent with the assumptions in CN4 and that CN4 will include in their specifications the addition of the UESBI on the MAP-E interface for the case of GERAN to UTRAN handover. However, this issue will be discussed again at the next GERAN2 meeting at the end of June, collocated with TSG GERAN #15. GERAN2 will notify SA2, CN1 and CN4 if these changes are agreed at the next GERAN2 meeting, so that these groups can change their affected specifications, if any.

Discussion: CN's handling of the early UE issue was postponed pending a decision in TSG_RAN.

However CN4's CRs also depend upon GERAN (not only RAN).

Status: **NOTED.**

NP-030180 Reply LS on proposed deletion of security-related work items in TSG-CN [S3-030270] SA3

Content: TSG CN asked TSG SA WG3 to indicate to CN WG4 whether the protocol development for the Ze interface is still required, and if so to encourage companies to bring technical contributions to the next CN WG4 meeting to allow concrete progress to be made."

SA WG3 has encouraged those companies who are interested in the development of the Ze interface protocol to bring contributions to the next CN WG4 meeting and provide a rapporteur for the work item.

TSG CN asks TSG SA WG3 to indicate to CN WG4 whether the feasibility study on the network impacts of enhanced HE control of security is still required, and if so to provide specific guidance on the requirements to the next CN WG4 meeting to allow concrete progress to be made."

The feasibility study on the network impacts of enhanced HE control of security is not required at this time.

Discussion: There was no input at CN4#19 on the protocol for the Ze interface. TSG_CN considers these work items as non active.

Status: **NOTED.**

5.3 From other groups

NP-030178 LS on Signalling Requirements for IP-QOS [fra107r1.doc], ITU-T SG.11.

Content: Internal ITU-T SG to SG communication on IP-QoS requirements.

Discussion: This issue needs to be progressed in ITU-T before it really affects 3GPP.

Status: **NOTED.**

NP-030179 LS on Error Handling in Pre-R99 Networks [GSMA LS to 3GPP CN], GSMA.

Content: The GSM Association acknowledges the liaison statement (NP-030146) from 3GPP TSG CN on the interoperability problems between R99 UE and legacy pre-R99 network equipment. The GSMA has considered the issue in detail and provides the following response.

The GSMA Board, after consultation with the Terminal Working Group (TWG) and the Executive Management Committee (EMC) of the GSM Association agrees with the view that the solution to this interoperability issue is to correct the errors in network implementations. The EMC considers that since the problem lies within (legacy) network implementations, then it is within these networks that the necessary corrections should be applied.

To this end the GSM Association is in the process of adopting a (non mandatory) policy which recommends that all members correct the network faults as a matter of urgency using network patches supplied by their vendors. The GSMA has initiated an activity to quantify the scale of the problem and identify when it is likely to be resolved in the various networks. As a consequence of the recommendation the GSMA will ask Members to refrain from using terminal workaround solutions but recognises that commercial pressures may force this course of action to be considered by individual operators. In this event the GSMA will introduce a database identifying UE introduced with workaround solutions.

The EMC acknowledges that these interoperability issues need to be resolved in order to facilitate the deployment of commercial R99 UE and to maintain GSM Global roaming.

The GSMA is in the process of sending a communication to senior operator executives informing them of the problem, it's possible impact on service and recommending that they (with the assistance of their infrastructure vendors) correct their networks as a matter of urgency, so that R99 UE will work correctly. While aware that it is an ambitious goal, we are aiming to ensure correct network support of R99 devices by end Q3 2003

Discussion: This is the response from the GSMA giving guidance on the timelines for deployment of the required network fixes.

Status: **NOTED.**

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

6.1 Reporting from TSG-CN WG1

6.1.1 Status report from CN1

NP-030262 Status Report for TSG CN WG1, CN1 Chair

Comments: TSG_CN and CN1 have the working assumption that we will 'use IETF protocols for the Ut interface'.

Status: **NOTED.**

NP-030263 CN1 meeting report from CN1#29, MCC. **NOTED.**

NP-030263 CN1 meeting report from CN1#30, MCC. **NOTED.**

NP-030264 All LSs sent from CN1 since TSG CN#19 Meeting,- pack 1, MCC. **NOTED.**

NP-030265 All LSs sent from CN1 since TSG CN#19 Meeting,- pack 2, 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-030183 Status Report for TSG CN WG2, source CN2 Chair

Comments: *MT SMS.* Ericsson (0186), Siemens(0187), have mutually exclusive CRs in this issue. Due to lack of time between the WG meeting and plenary resolution of the CRs has not been possible

Also Ian Park mentioned that CN4 need to see certain CN2 CRs (for endorsement) at least one plenary cycle before CN2 present them to Plenary..

Ericsson commented on the impact of SCUDIF on CAMEL. Ericsson stressed that this must be considered as a late requirement and therefore not applicable for Rel-5. The CN2 chair pointed out that the current stage 1 for CAMEL would need to be modified if SA1 agree with Ericsson's assessment.

TSG_CN agreed with the assumption that CN2 and CN4 will merge in the Q.2 of 2004.

Status: **NOTED.**

NP-030184 CN2 meeting report from CN29, MCC. **NOTED.**

6.2.2 Questions for advice and decisions from CN2

From the CN2 status report. There is a proposal to enhance Change Of Position reporting so that the SCP would provide criteria to MSC. I.e. this would reduce signalling load. The work amount is so small that a separate work item is extravagant (SA + CN). Is it OK to mark this work under TEI_6 work item?

TSG_CN agreed to the above work being done under TEI_6.

6.3 Reporting from TSG-CN WG3

6.3.1 Status report from CN3

- NP-030192 Status Report for TSG CN WG3, CN3 Chair. **NOTED.**
- NP-030193 CN3 meeting report from CN3#28, source MCC. **NOTED.**
- NP-030194 CN3 meeting report from CN3#27b, source MCC. **NOTED.**
- NP-030195 All LSs sent from CN3 since TSG CN#19 Meeting, source MCC. **NOTED.**

6.3.2 Questions for advice and decisions from CN3

No Input to this agenda item.

6.4 Reporting from TSG-CN WG4

6.4.1 Status report from CN4

- NP-030205 Status Report for TSG CN WG4, CN4 Chair. **NOTED.**
- NP-030206 CN4 meeting report since CN#19, MCC. **NOTED.**
- NP-030207 All LSs sent from CN4 since TSG CN#19 Meeting, MCC. **NOTED.**

6.4.2 Questions for advice and decisions from CN4

No input documents; questions were handled in the discussion of the CN4 status report.

6.5 Reporting from TSG-CN WG5

6.5.1 Status report from CN5

- NP-030232 Status Report for TSG CN WG5, source CN5 Chair
Status: **REVISED to 0251**
? REVISED ?
- NP-030251 Status Report for TSG CN WG5, source CN5 Chair
Comments: Stephen will mention to TSG_SA that CN5 have seen no contributions for the following WIDS in the last 6 months.
- Retrieval of Visited Network Capabilities
- Enhanced User Privacy in LCS
TSG_CN suggests removing these requirements from the Stage 1 parts if there are no contributions to SA1 before the next TSG.
Status: **NOTED.**
- NP-030234 CN5 meeting report from CN5#23, source MCC. **NOTED.**
- NP-030233 All LSs sent from CN5 since TSG CN#19 Meeting, MCC. **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-030258 Progress Report, source ITU-T Ad Hoc Convenor

Content: Contains a light report on ITU-T progress

Discussion: As Yun Chao Hu cannot continue the role of ITU-T ad hoc Convenor - Stephen Hayes kindly offered to take over the role.

Status: **NOTED.**

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-030185 CRs to R99 WI CAMEL3, CN2. **APPROVED.**

7.2 Security

NP-030208 CR pack: Corrections on Security, CN4. **APPROVED.**

NP-030267 CR to R99 (with mirror CRs) on Work Item Security towards 24.008,CN1. **APPROVED.**

7.3 GPRS

NP-030199 CR pack: Dynamic configuration of DNS server Ipv6 addresses, CN3. **APPROVED.**

NP-030209 CR pack: Corrections on GPRS Release 99, CN4. **APPROVED.**

7.4 Location service enhancement [**LCS1**]

NP-030210 CR pack: Corrections on Location Service, CN4. **APPROVED.**

7.5 Handover

No Input to this agenda item.

7.6 GSM- UMTS Interworking

NP-030268 CR to R99 (with mirror CRs) on Work Item GSM/UMTS interworking towards 23.009, CN1. **APPROVED.**

7.7 Transcoder Free Operation [**TrFO**]

NP-030211 CR pack: Corrections on Transcoder Free Operation Release 4, CN4

Comments Nokia have concerns with Iu userplane CRs. How MGW to detect when the speech is modified to multimedia (and change CODEC)?
The MGW does not change if the new requirements for the new CODEC are identical to the existing requirements for the existing CODEC.
Nokia asked that the contentious CRs be POSTPONED until later in the meeting. After further checking Nokia maintain their concerns with these four CRs. Nokia do not believe the solution is aligned with the output from RAN3. Also Nokia has concerns on the interworking on the Nb interface. This subject has been discussed at great length in CN4. Lucent and Ericsson supported the solution proposed in the CRs.

After some offline discussion it was decided to send a LS to SA4 [NP-030309], cc CN4 asking SA4 if they can agree on the CN4 restrictions on codec compatibility when using a common SDU format. This LS contains the related RAN3 LS and the related CN4 CR.
CN4 will continue with the stage 3 solution based upon the response from SA4.
The CRs listed below are referred back to CN4 for further study. In addition the related CRs in NP-030204 are referred back to CN3 for further study.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
23.153	056		N4-030539	Rel-4	Clarification of handling of DTMF in TrFO	F	APPROVED
23.153	057		N4-030540	Rel-5	Clarification of handling of DTMF in TrFO	A	APPROVED
23.153	060		N4-030543	Rel-4	Clarification of luUP Initialisation during codec modification	F	Back to CN4
23.153	061		N4-030544	Rel-5	Clarification of luUP Initialisation during codec modification	A	Back to CN4
29.232	055	1	N4-030545	Rel-4	Independence Of SDU and Application	F	Back to CN4
29.232	056	1	N4-030546	Rel-5	Independence Of SDU and Application	A	Back to CN4
23.153	054	2	N4-030699	Rel-4	Clarification of use of Default PCM codec and handling of the Codec List	F	APPROVED
23.153	055	1	N4-030700	Rel-5	Clarification of use of Default PCM codec and handling of the Codec List	A	APPROVED
23.153	058	2	N4-030701	Rel-4	Clarification of use of TMR for codec negotiation	F	APPROVED
23.153	059	1	N4-030702	Rel-5	Clarification of use of TMR for codec negotiation	A	APPROVED

Status: The document was **PART APPROVED**.

NP-030309 LS on future codecs with same SDU format as existing codecs, CN.

Content: In this LS, TSG CN asks SA4 to clarify that no future codecs with the same SDU format(s), but different contents from existing codecs will be defined and inform TSG CN#21 and CN4#20 about their decision. This will allow no lu UP initialisation to occur in these cases.
TSG_CN ask SA4 please give a reference to the right specification where this is reflected

Comments Ericsson asks that this issue be resolved in the next CN4 meeting, if not by technical agreement then by voting.

TSG_CN requested CN4 to attempt to resolve this issue by CN#21 meeting. If agreement cannot be met in CN4 then CN4 should present two sets of CRs to CN#21, where a final decision will be taken (voting as required).

Relating to the LS, various grammatical changes were made for clarity.

Status: The document was **REVISED to 0310**.

? **REVISED ?**

NP-030310 LS on future codecs with same SDU format as existing codecs, CN. APPROVED.

7.8 Enable bearer independent CS architecture [CSSPLIT]

NP-030212 CR pack: Corrections on Bearer Independent architecture , source CN4. APPROVED.

7.9 Multicall

No Input to this agenda item.

7.10 OSA Enhancements [OSA1]

NP-030235 Rel-4 CR 29.198-01 OSA API Part 1: Overview CN5

Comments: 3 companies could not agree with this "editorial" change to a frozen Release.

Status: **REJECTED.**

NP-030236 Rel-4 CR 29.198-02 OSA API Part 2: Common data CN5.

Comments: Header sheet problems (against which version was the CR made)? After some checking by MCC it was found that it was a problem with MS word and copy / insert and there is no problem with the text.

Status: **APPROVED.**

NP-030237 Rel-4 CR 29.198-03 OSA API Part 3: Framework CN5

Comments: Header sheet problems (against which version was the CR made)? MCC checked the header and spec number and the CR and text is correct

Status: **APPROVED.**

NP-030238 Rel-4 CR 29.198-04/5/8 OSA API Part 4/5/8: Call control / Generic user interaction / Data session control CN5. APPROVED.

7.11 Small Technical Enhancements & Improvements [TEI]

NP-030200 CR pack: RADIUS protocol at GGSN, CN3. **APPROVED.**

NP-030201 CR pack: Handling of Bearer Capability information elements CN3. **APPROVED.**

NP-030202 CR pack: Removal of S reference point in MS CN3.

Comments: Motorola did not see this as an essential change for R99. Seems to be a 'NICE TO HAVE' CR which is no longer allowed for R99.

NOTE the MCC will change the CAT of the Rel-4 CR to F (from A)

WG_tdoc	Title	Spec	CR	Rev	Cat	Rel	STAT.r
N3-030449	Removal of S interface in the MS	27.001	089	1	F	R99	REJECTED
N3-030450	Removal of S interface in the MS	27.001	090	1	A	Rel-4	APPROVED
N3-030451	Removal of S interface in the MS	27.001	091	1	A	Rel-5	APPROVED

Status: **PART APPROVED.**

NP-030203 CR pack: Removal of inconsistencies [*Subscription check after Call Confirmed*] CN3. **APPROVED.**

NP-030213 CR pack: Small corrections on technical enhancements and improvements for R97 CN4. **APPROVED.**

NP-030214 CR pack: Small corrections on technical enhancements and improvements for R99 CN4.

Comments: Inconsistencies between the Rel-5 coversheet (summary of change) and the actual changed clauses text. However this is only a coverage problem. . It was noted that this CR addressed mobile terminated SMS over GRPS which is different from the issue of mobile originated SMS over GPRS that had been an issue in earlier plenaries.

Status: **APPROVED.**

NP-030260 CR pack: BC-IE alignment, CN3. **APPROVED**

NP-030269 CRs to R99 (with mirror CRs) on Work Item TEI towards 24.008,- pack 1 CN1. **APPROVED.**

NP-030270 CRs to R99 (with mirror CRs) on Work Item TEI towards 24.008,- pack 2, CN1. **APPROVED.**

NP-030271 CR to Rel-4 (with mirror CRs) on Work Item TEI4 towards 24.008, CN1. **APPROVED.**

7.12 Any Other pre-Release 5 WI

No Input to this agenda item.

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-030164 Exception of Release 5 “deep freeze” for 3GPP usage of IETF SIP Nortel Networks.

Contents:

It has been agreed that 3GPP shall implement and use all IETF MUST strength requirements and shall not downgrade IETF SHOULD strength requirements. In addition, 3GPP SIP clients should be able to fall back to baseline capabilities when an extension negotiation failure occurs.

Nortel note that the requirement to implement mandatory capabilities from IETF SIP implies that the baseline IETF SIP capabilities will be supported by all 3GPP SIP clients. This requirement exists already in Release 5 specifications.

The point at issue, therefore is that 3GPP Release 5 clients should invoke IETF baseline procedures in the case of negotiation failure. In some cases this does not appear to be well described in the 3GPP specs, and in at least one case it appears to be prohibited. Support for IETF baseline procedures should already be available in the client according to the IETF agreement.

As an example, 24.229 states that a 3GPP client receiving a request which does not indicate support of the ‘100rel’ extension SHALL reject that request, whereas IETF SIP specifies that it SHOULD NOT reject it.

The document concludes:

Deviations from the intended compliancy principles will have serious consequences for interoperability in Release 6, not only between 3GPP and IETF SIP clients but possibly also between 3GPP R5 and 3GPP R6 clients.

Nortel therefore recommend that further time is allowed for working groups to study these issues prior to the freezing of release 5. In this area we request an exception to the freezing of Release 5 until the September plenary. CN working groups should be requested to provide the appropriate CRs.

Comments: *Three* has some problems with this proposal. Before agreeing to the principle *Three (and Vodafone)* ask Nortel to indicate exactly which specifications require to be **un-frozen**.

There was no support for leaving the IMS specifications unfrozen. The principle followed so far is that 3GPP is allowed to restrict behaviour and define behaviour within the IMS domain as long as it does not violate the IETF "shall's". Hannu [CN1 chair] said that the principle in CN1 is to use the IETF protocol as far as possible. However if there are options CN1 have chosen the most applicable one.

Hannu preferred Freezing IMS and making changes as required by the ESSENTIAL CORRECTION CR process.

Nortel agreed to the proposal of continuing with the Deep Freeze and correcting such errors by the usual CR process.

Status: **NOTED - Principle not AGREED.**

NP-030191 CRs to Rel-5 WI IMS-CAMEL CN2. **APPROVED.**

NP-030215 CR pack: Corrections on IP-based Multimedia Services Cx/Dx-interface CN4. **APPROVED.**

NP-030216 CR pack: Corrections on IP-based Multimedia Services Sh-interface CN4. **APPROVED.**

NP-030272 CRs to Rel-5 on Work Item IMS-CCR towards 23.218 CN1. **APPROVED.**

NP-030273 CRs to Rel-5 on Work Item IMS-CCR towards 24.008 CN1. **APPROVED.**

NP-030274 CRs to Rel-5 on Work Item IMS-CCR towards 24.228 CN1. **APPROVED.**

NP-030275 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 1 CN1.

Comments:

Ericsson has some concerns with issue of SA lifetime (CR 304 344 and 346). After discussion, it was unclear whether CN1 had interpreted the SA3 SA lifetime correctly. An LS (NP-030308) was generated requesting clarification from SA3.

Spec	CR	Rev	Cat	Phase	Subject	Version-Current	tdoc	tdoc	Stat
24.229	295	4	F	Rel-5	Security agreement inclusion in SIP profile	5.4.0	N1-030939	N1-30	Approved
24.229	304	4	F	Rel-5	SAs lifetimes in P-CSCF	5.4.0	N1-030493	N1-29	Back to CN1
24.229	322	5	F	Rel-5	3GPP P-header inclusion in SIP profile	5.4.0	N1-030938	N1-30	Approved
24.229	332	5	F	Rel-5	Change of IP address for the UE	5.4.0	N1-030923	N1-30	Approved
24.229	342		F	Rel-5	Removal of the requirement for UE re-authentication initiated by HSS	5.4.0	N1-030349	N1-29	Approved
24.229	343	2	F	Rel-5	UE behavior on reception of 420 (Bad Extension) message	5.4.0	N1-030552	N1-29	Approved
24.229	344	1	F	Rel-5	Setting the SA lifetime at UE upon registration	5.4.0	N1-030494	N1-29	Back to CN1
24.229	346	1	F	Rel-5	SA lifetime upon network initiated de-registration	5.4.0	N1-030496	N1-29	Back to CN1
24.229	347	2	F	Rel-5	Handling of DTMF	5.4.0	N1-030551	N1-29	Approved

Status: **PART APPROVED.**

NP-030276 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 2 CN1. **APPROVED.**

NP-030277 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 3 CN1. **APPROVED.**

NP-030278 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 4 CN1. **APPROVED.**

NP-030279 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 5 CN1

Comments: Ericsson has some concerns with issue of SA lifetime (CR 304 344 and 346). See also NP-030275

Spec	CR	Rev	Cat	Phase	Subject	Version-Current	Doc-2nd-Level	Stat.
24.229	397	2	F	Rel-5	Notification about registration state	5.4.0	N1-030926	Approved
24.229	398		F	Rel-5	Combined CRs: N1-030495, N1-030558 , and N1-030559	5.4.0	N1-030646	Back to CN1
24.229	402	1	F	Rel-5	Handling of P-Asserted ID in MGCF	5.4.0	N1-030848	Approved
24.229	404	1	F	Rel-5	S-CSCF initiated release of calls to circuit switched network	5.4.0	N1-030873	Approved
24.229	405	2	F	Rel-5	Supported Integrity algorithms	5.4.0	N1-030927	Approved
24.229	407	1	F	Rel-5	RFC 3524, Single Reservation Flows	5.4.0	N1-030851	Approved
24.229	410	1	F	Rel-5	Clarification of the S-CSCF's handling of the P-access-network-info header	5.4.0	N1-030868	Approved
24.229	411	2	F	Rel-5	Port numbers in the RR header entries	5.4.0	N1-030941	Approved
24.229	412	2	F	Rel-5	Registration abnormal cases	5.4.0	N1-030928	Approved

Status: **PART APPROVED.**

NP-030280 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 6 CN1. **APPROVED.**

NP-030281 CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 7 CN1. **APPROVED.**

NOTE: There is a correct order of CR IMPLEMENTATION for the CN1 CRs to 24.229 - This is available to MCC and the specification rapporteur and duplicated in this meeting report for information.

- 1) CR422R1 to be applied before CR369R3 and CR380R1
- 2) CR395R0 to be applied before CR370R1
- 3) CR428R0 to be applied before CR380R1 and CR412R2
- 4) CR425R1 to be applied before CR385R1

8.2 OSA enhancements [OSA2]

NP-030239 Rel-5 CR 29.198-01 OSA API Part 1: Overview, CN5

Comments: The 1st CR is a cleanup of the references, this acceptable for Rel-5. However the deletion of the text should be done using the term 'Void'. Suggest revising into a 'clean' CR.

The second CR relates to CN5 using the Java script as opposed to UML in their specifications. This CR deletes the Refs to the Java code documents [that no longer exist] and inserts the Java Rulebook into the TS. If Plenary agrees to this in principle - CN5 will bring CRs to the December plenary containing the actual Java code in the form of an Annex to each specification. JAIN will no longer maintain the Java documents and allow 3GPP to use and maintain the Java code.

Motorola asked that this important change be done at the next Plenary and not await the December Plenary. The CN5 chair agreed to this and will check with the rapporteurs to see if they will have enough time to provide the new code.

TSG_CN agree to the principle of inserting the Java rulebook at CN#20, and presenting the Java code CRs to CN#21 meeting.

Also a section of erroneous text was found (changes on changes).

Doc-1st-Level	Spec	CR	R	Ph	Subject	C at	Ver-Curr	Doc-2nd-Level	STATUS
NP-030239	29.198-01	022	-	Rel-5	Removal of un-used references	F	5.1.1	N5-030300	REVISED to 0298
NP-030239	29.198-01	023	-	Rel-5	Correction to Java Realisation Annex	F	5.1.1	N5-030275	APPROVED

Status: The document was **PART APPROVED – PART REVISED to 0298**

? **REVISED ?**

NP-030298 Rel-5 CR 29.198-01 OSA API Part 1: Java Code CN5. APPROVED.

NP-030240 Rel-5 CR 29.198-14/02 OSA API Part 14/2: Presence and Availability Management (PAM) / Common data CN5. APPROVED.

NP-030241 Rel-5 CR 29.198-14/03 OSA API Part 14/3: Presence and Availability Management (PAM) / Framework CN5. APPROVED.

NP-030242 Rel-5 CR 29.198-04-1 OSA API Part 4: Call control; Sub-part 1: Call Control Common Definitions CN5. APPROVED.

NP-030243 Rel-5 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF CN5. APPROVED.

NP-030244 Rel-5 CR 29.198-05 OSA API Part 5: Generic user interaction CN5. APPROVED.

NP-030245 Rel-5 CR 29.198-14 OSA API Part 14: Presence and Availability Management (PAM) CN5. APPROVED.

NP-030294 Rel-5 CR 29.198-05 OSA API Part 5: Generic user interaction, CN5.

Comments: The CR was attached directly to the CR coversheet. It was clarified that the source of the CR was CN5.

Also clauses affected in the body text of the CR are incorrect due to automatic clause numbering & copy/paste

Status: **REVISED to 0299**

? **REVISED ?**

NP-030299 Rel-5 CR 29.198-05 OSA API Part 5: Generic user interaction, CN5. APPROVED.

8.3 CAMEL Phase 4 [CAMEL4]

NP-030186 CRs to Rel-5 WI CAMEL4, CN2.

Comments: Contains one of two proposals (the other in 0187) CN2 has endorsed both solutions and present the two solutions to Plenary to enable a decision to be taken.

Ericsson were willing to withdraw their proposal and accept the other solution in 0187.

Status: The document was . **REJECTED.**

NP-030187 CRs to Rel-5 WI CAMEL4, CN2.

Comments: Contains one of two proposals (the other in 0186) CN2 has endorsed both solutions and present the two solutions to Plenary to enable a decision to be taken.

Vodafone and Siemens supported the solution in this pack.

Status: The document was **APPROVED**.

NP-030188 CRs to Rel-5 WI CAMEL4, CN2. **APPROVED**.

NP-030189 CRs to Rel-5 WI CAMEL4, CN2. **APPROVED**.

NP-030190 CRs to Rel-5 WI CAMEL4, CN2. **APPROVED**.

NP-030217 CR pack: Corrections on Camel Phase 4, CN4. **APPROVED**.

NP-030261 CR 23.079-025r1 on Correction to interaction between ORLCF and forwarding notification, Ericsson.

Comments: Had been discussed in CN2 and CN4 and the principle endorsed however the SDLs were not available. This is now complete (although the actual SDLs have not been seen by CN2 and CN4). Siemens has checked the SDLs and detected a problem on sheet 4. Ian Park suggested allowing CN2 and CN4 experts to check it. However delaying the approval of this CR to the September Plenary (into the deep freeze for Rel-5).
Referred to CN2 and CN4 for their consideration and TSG_CN allow an exception to the freeze for this CR, and allow it to be presented to CN#21 for approval.

Status: The document was **REFERRED TO CN2 and CN4**

8.4 Location Service Enhancements [LCS1]

NP-030218 CR pack: Corrections on Location Service Enhancements Release 5 CN4.

Comments: The Rel-6 CR to 29.002 568r4 (GERAN specific CR) is a mirror of the Rel-5 CR (GERAN and UTRAN). This will require a further CR to 29.002 for Rel-6 to allow for the UTRAN support. These Stage 3 CRs are linked to SA2s stage 2 CRs to 23.271. If they are approved at SA#20 and there is a requirement for UTRAN support in Rel-6, CN4 will produce the required CR.

Status: **APPROVED**.

8.5 End to End QoS [E2EQoS]

NP-030173 CR pack: End-to-end QoS: Go interface CN3. **APPROVED**.

NP-030174 CRs to 29.207 on the Go interface, CN3. **APPROVED**.

NP-030175 CR to 29.208 on the Go interface, CN3. **APPROVED**.

8.6 Security enhancements [SEC1]

NP-030259 Alignment between CN1 and SA3 on the handling of Security Association Ericsson **REVISED to 0291**

? **REVISED** ?

NP-030291 Alignment between CN1 and SA3 on the handling of Security Association Ericsson.

Content: Ericsson proposes to defer the decision on CN1 CRs 304r4, 344r1, 346r1 and 398r- until an answer has been received from SA3.
 The earlier versions of the CN1 CRs should be approved at NP#20.

Discussion: Three agreed with this proposal. There is a need to have some communication with SA3 to find out exactly what their requirements mean
 TSG_CN referred the four CRs [304r4, 344r1, 346r1 and 398r] back to CN1 pending further information from SA3. In addition we need to send a LS to SA3 informing them that the CN1 CRs have not been approved and request clarification on the requirements of SA lifetime. [LS in NP-030295].
 The earlier version of the CRs (#358 and 362) are contained in **NP-030296**.

Status: **NOTED**

NP-030295 LS out on Security Association Lifetime Management, source CN.

Content: CN1 has provided SA3 with the CRs relating to SA lifetime. These CR's were agreed in CN1, along with the liaison to SA3 requesting alignment of 33.203. When these CR's were presented for approval in CN plenary #20 they were referred back to CN1, due to a number of issues being raised in regard to whether they matched the intent of SA3. The LS asks a number of questions to SA3.

Discussion : Minor typing error - and an improvement to the text for added clarity. Decided to add the CN1 meeting dates to section 4.

Status: The document was **REVISED into 0308**.

? **REVISED ?**

NP-030308 LS out on Security Association Lifetime Management, source, CN. APPROVED.

NP-030296 CR: User initiated de-registration, CN1.

Discussion : It was mentioned that these CRs do not interact with any other CRs on TS 24.229 approved at NP#20.

However it was mentioned that the two CRs interact with each other, and the issue of implementing them is complex.

Propose merging the CRs into a new tdoc number NP-030307. (This will be a revision of CR#398).

Status: The document was **REVISED into 0307**.

? **REVISED ?**

NP-030307 CR: User initiated de-registration, CN1.

Discussion : After some examination it was noted that one of the CRs is still related to SAs, so it was decided to return the issue to CN1. These CRs are already returned since 24.229 CR398 in NP-030279 was already returned to CN1.

Status: The document was **WITHDRAWN**.

NP-030253 CR: SAs lifetimes in P-CSCF Ericsson. WITHDRAWN.

NP-030254 CR: Setting the SA lifetime at UE upon registration Ericsson. WITHDRAWN.

NP-030255 CR: SA lifetime upon network initiated de-registration Ericsson. WITHDRAWN.

NP-030256 CR: Re-authentication procedure. Ericsson. WITHDRAWN.

8.7 Service Change and UDI Fallback [SCUDIF]

NP-030204 CR pack: Service Change and UDI fall back for CS multimedia, CN3.

Discussion: Relates to the CN4 CRs that are contained in NP-030211.

Status: The document was **REFERRED BACK TO CN3**.

8.8 Technical Enhancements and Improvements [TEI5]

NP-030219 CR pack: Small Technical Enhancements and Improvements for GTP specification Rel-5 CN4. APPROVED.

NP-030220 CR pack: Small Technical Enhancements and Improvements for CSSPLIT specification Rel-5 CN4. APPROVED.

NP-030221 CR pack: Small Technical Enhancements and Improvements for MNP specification Rel-5 CN4.

Discussion: These Stage 3 CRs are linked to some Stage 1 CRs that have been received in CN4 and have been reviewed and CN4 who provided some modifications via an LS to SA1. The CN4 enhanced CRs will be presented directly to SA#20 meeting in competition with the original SA1 CRs.

These Stage 3 CRs are not dependent upon the CN4 modified CRs - the original SA1 CRs are acceptable also.

Note: NP-030300 contains a LS to CN4 that relates to the SRF base solution for MNP

Status: **APPROVED**

NP-030300 LS OUT: on MNP sent to CN4, source Nortel.

Content: CN plenary notes that within the timescales available it has been hard to finalise the MNP charging requirements and also the technical CRs for both the CAMEL-based and non-CAMEL-based MNP solutions. We note that SA1 is planning to introduce MNP charging requirements as a release 5

feature. CN plenary supports the view that the complete package for support of MNP charging requirements in both CAMEL and non-CAMEL based cases should be available in Release 5. We therefore ask CN4 to continue to work on any necessary Release 5 CRs and aim to have all CRs presented to CN#21.

Discussion: TSG_CN task CN4 to produce the SRF solution with CRs for approval at NP#21. It was mentioned that there is a related LS from CN4 also being presented to SA#20. There is no conflict between the two LSs. Slight wording change - CAMEL based to IN based and NON-CAMEL based to SRF based. Suggest cc to SA1 and CN2. Use the standard LS Template.

Status: **REVISED to 0301**

? **REVISED ?**

NP-030301 **LS OUT: on MNP sent to CN4, source CN.**

Status: **APPROVED.**

NP-030222 **CR pack: Small Technical Enhancements and Improvements for OoBTC specification Rel-5 ,CN4. APPROVED.**

NP-030228 **CR pack: Small Technical Enhancements on Rel-5 – MAP specification clean-up,CN4. APPROVED.**

NP-030282 **CRs to Rel-5 on Work Item TEI5 towards 24.008 and 24.011, CN1. APPROVED.**

8.9 Any other Rel-5 WI

NOTE - Relating to the Early UE discussions in RAN
TSG_RAN has decided on the bitmap solution for Rel-5
GERAN will take a decision on this at their next meeting (23 - 27 June 2003).

NP-030223 **CR pack: Corrections on Early UE CN4. APPROVED.**

NP-030224 **CR pack: Corrections on Early UE;GERAN: no UESBI and RAN: Bitmap, CN4.**

Comments: Depends upon GERAN decision to be taken at their #15 meeting. Propose conditionally approving these CRs on the condition that the corresponding principle and CRs are approved in GERAN. - NOTE No decision in GERAN will mean NP-020224 is implemented.
Status. The Document was **CONDITIONALLY APPROVED.**

NP-030225 **CR pack: Corrections on Early UE;GERAN: no UESBI and IMEISV CN4. REJECTED (following RAN decision)**

NP-030226 **CR pack: Corrections on Early UE;GERAN: UESBI and RAN: Bitmap, CN4.**

Comments: Depends upon GERAN decision to be take at their #15 meeting. Propose conditionally approving these CRs on the condition that the corresponding principle and CRs are approved in GERAN. - NOTE No decision in GERAN will mean NP-020224 is implemented.
Status. The Document was **CONDITIONALLY APPROVED.**

NP-030227 **CR pack: Corrections on Early UE;GERAN: UESBI and RAN: IMEISV, CN4. REJECTED (following RAN decision)**

NP-030283 **CRs to Rel-5 on Work Item LATE_UE towards 23.009 and 29.018, CN1. APPROVED.**

9 Release 6

9.1 IMS Phase 2 [IMS]

NP-030229 WID: Enhancements to the Cx and Sh interfaces, CN4. **APPROVED.**

NP-030286 WID: IMS Stage-3 Enhancements, CN1.

Comments: It was noted that the dates are optimistic.
Also a comment was made to avoid the WI names such as xyz enhancements. TSG_CN asks the work groups to be as descriptive as possible (within reason), when naming WIs. Stephen will also report this request to SA#20.

Status: The document was **APPROVED.**

9.2 Support of Presence Capability [PRESNC]

NP-030285 WID: Support of the Presence Service in Core Network Signalling Protocols, CN1.

Comments: Main change is a re-alignment of the completion dates.
A minor editorial was noted (meeting dates).

Status: The document was **REVISED to 0302.**

? **REVISED ?**

NP-030302 WID: Support of the Presence Service in Core Network Signalling Protocols, CN1.

Status: The document was **APPROVED.**

NP-030289 TR 24.841: Presence service based on Session Initiation Protocol (SIP);Functional models, information flows and protocol details, CN1.

Comments: The zip file contained only the open items list.

Status: The document was **REVISED to 0303.**

? **REVISED ?**

NP-030303 TR 24.841: Presence service based on Session Initiation Protocol (SIP);Functional models, information flows and protocol details, CN1.

Comments: Presented for information.

Status: The document was **NOTED.**

9.3 Security Enhancements[SEC1]

No Input to this agenda item.

9.4 Emergency Call Enhancements [EMC1]

NP-030287 WID: Emergency Call Enhancements for IP& PS Based Calls - stage 3, CN1. **APPROVED.**

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-030246 Rel-6 CR 29.198-04-1 OSA API Part 4: Call control; Sub-part 1: Call Control Common Definitions, CN5.

Discussion: Motorola objected to the CAT of this CR believing it to be a CAT B or C. How can an essential correction be used to create a new Rel-6 specification?

TSG_CN agreed that a CAT C should be used to create the new Rel-6 specification.

Status: The document was **REVISED to 0304.**

? **REVISED ?**

NP-030304 Rel-6 CR 29.198-04-1 OSA API Part 4: Call control; Sub-part 1: Call Control Common Definitions, CN5. **APPROVED.**

NP-030247 Rel-6 CR 29.198-04-3 OSA API Part 4: Call control; Sub-part 3: Multi-Party Call Control SCF CN5.

Discussion: TSG_CN agreed that a CAT C should be used to create the new Rel-6 specification.

Doc-1st-Level	Spec	CR	R	Ph	Subject	Cat	Ver-Curr	STAT
NP-030247	29.198-04-3	012	-	Rel-6	Unclear overlap criteria for rejection of createNotification	F	5.2.0	REVISED to 0305
NP-030247	29.198-04-3	013	-	Rel-6	Add support for advanced subscriber presentation	B	5.2.0	APPROVED

Status: The document was **PART APPROVED.**

NP-030305 Rel-6 CR 29.198-04-3 OSA API Part 4: Call control; Sub-part 3: Multi-Party Call Control SCF, CN5.

Discussion: Contains only the CR#13 from NP#030247.

Status: The document was **APPROVED.**

NP-030248 Rel-6 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF, CN5.

Discussion: TSG_CN agreed that a CAT C should be used to create the new Rel-6 specification.

Doc-1st-Level	Spec	CR	R	Ph	Subject	Cat	Ver-Curr	STAT.
NP-030248	29.198-04-4	007	-	Rel-6	Adding QoS Reporting Functionality to MMCCS	B	5.2.0	APPROVED
NP-030248	29.198-04-4	008	-	Rel-6	Correction of the mechanism for Requesting Event Reports in MMCCS	F	5.2.0	REVISED to 0306

Status: The document was **PART APPROVED.**

NP-030306 Rel-6 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF CN5.

Status: The document was **APPROVED.**

NP-030249 Rel-6 CR 29.198-06 OSA API Part 6: Mobility, CN5, **APPROVED.**

NP-030250 Rel-6 CR 29.198-13 OSA API Part 13: Policy management SCF, CN5, **APPROVED.**

9.8 Multimedia Broadcast and Multicast Service [MBMS]

NP-030288 **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

No Input to this agenda item.

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

No Input to this agenda item.

9.12 Interworking IMS<->IP

NP-030197 TR 29.962 (for approval) CN3. **REVISED to 0293.**

? **REVISED ?**

NP-030293 TR 29.962 (for approval), CN3.

Content: TR 29.962 investigates the SIP signalling interworking between IMS network entities behaving as specified in the 3GPP profile of SIP in TS 24.229, and SIP network entities external to the 3GPP network, which may not adhere to the 3GPP profile of SIP.

Discussion: TSG_CN APPROVE this TR and it will become v6.0.0

Status: The document was **APPROVED**.

9.13 Interworking IMS<->CS

NP-030196 Latest version of TS 29.163 (for Info) CN3.

Content: The document specifies the principles of interworking between the 3GPP IM CN subsystem and BICC/ISUP based legacy CS networks, in order to support IM basic voice calls.

Discussion: Presented for information. Intention is to present this specification to CN#21 for approval.

Status: The document was **NOTED**.

NP-030292 Updated WID on Interworking of IMS - CS, 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-030230 CR pack: Small Technical Enhancements and Improvements for GTP specification Rel-6, CN4. APPROVED.

NP-0300284 CRs to Rel-6 on Work Item TEI6 towards 24.008 and 44.065, CN1. APPROVED.

9.11 Any other Rel-6 WI

NP-030198 WID: Gq interface specification for Dynamic Policy control enhancements, CN3. APPROVED..

NP-0300231 Corrections on Location Service Enhancements Release 6, CN4, APPROVED.

10 TSG CN work organization

10.1 Principles for work organization within CN

NP-030290 3GPP-OMA overlap TSG T vice-chairman.

Content: Contains a report on the overlap between 3GPP groups and OMA.

Discussion: Motorola asked if there is an OMA equivalent document that shows the OMA view. Kevin stated that the document was produced November 2002 and is "OMA requirements 62".

OMA has produced a cooperation framework document for the co-operation with 3GPP but this document has not yet been signed by 3GPP, and vice versa.

OMA does however have the right to send LSs to 3GPP.

Steve Mecrow [O2], mentioned that it would be useful to have some sort of agreement on the working procedures.

Iain Sharp [Nortel] stressed that 3GPP should keep control of IMS as a platform, although other organisations (including OMA) should be encouraged to develop applications which use the IMS platform.

Stephen Hayes has a concern with OMA communicating to the IETF and requesting changes to the IETF protocols. It is best that 3GPP be the single point of contact to change the IETF protocols in relation to the IMS platform.

It was mentioned that in addition to listing the overlaps between OMA and 3GPP, there needs to be some explanation on how the overlaps will be handled.

One objective must be to enable both OMA and 3GPP to have independent release cycles.

SA2 could be tasked to establish the protocol interfaces (the technical interfaces) between OMA and 3GPP.

What is the mechanism for OMA to provide requirements to 3GPP in order to make modifications to the platform provided by 3GPP?

It was noted that OMA working groups are working on some (WAP like) protocols - but these are outside of the scope of 3GPP TSG_CN.

In summary:

?? **3GPP has ownership of the IMS platform.**

?? **Organisations such as OMA would use that 3GPP IMS platform to develop their service enablers**

?? **Links to the IETF for the IMS should be exclusively from 3GPP**

?? **We need to document the technical interfaces between 3GPP and OMA**

?? **We need to document the procedural mechanisms for interworking between OMA and 3GPP e.g. provision of requirements.**

Status: **NOTED.**

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-030297 2003/4 Meeting schedule, source MCC. NOTED.

Comments: The 2004 WG meeting schedule was agreed. Hosts are solicited for the agreed dates. The PCG has decided that in order to reduce cost, there will be a restriction on the amount of MCC support provided to 3GPP working groups. The plan is to have one MCC supported WG meeting in between each pair of plenary meetings. Any additional WG meeting will not have the guarantee of MCC support. Working groups can request exceptional MCC support for additional WG meetings from the PCG (via Stephen Hayes). There was also support to leave at least 2 weeks between WG meetings and the Plenary. Steve Mecrow mentioned that we may need to look at the bigger picture and consider the number of plenary meetings per year. There is presently some resistance to this and the lead time for planning plenary meetings is about 18 months.

CN5 meeting dates are not included in the document but are as follows:

CN5 would like to co-locate with CN1-CN4 but also meet with PARLAY and not overlap with OMA.

CN5 will collocate with the other WG meetings when possible.

TITLE	TYPE	DATES	LOCATION	CTRY
<u>3GPPCN5#24</u>	WG	14 - 18 Jul 2003	San Francisco	US
<u>3GPPCN1 - CN4 co-located meetings</u>	WG	25 - 29 Aug 2003	Sophia Antipolis	FR
<u>3GPPCN5#25</u> CANCELLED	WG	25 - 29 Aug 2003	Sophia Antipolis	FR
<u>3GPPCN#21</u>	OR	17 - 19 Sep 2003	Frankfurt	DE
<u>3GPPCN1 - CN4 co-located meetings</u>	WG	27 - 31 Oct 2003	t.b.d	
<u>3GPPCN#22</u>	OR	10 - 12 Dec 2003	Maui, Hawaii	US
<u>3GPPCN1 - CN4 co-located meetings</u>	WG	16 - 20 Feb 2004	t.b.d	
<u>3GPPCN#23</u>	OR	10 - 12 Mar 2004	TBC	US
<u>3GPPCN1 - CN4 co-located meetings</u>	WG	10 - 14 May 2004	t.b.d	
<u>3GPPCN#24</u>	OR	2 - 4 Jun 2004	KOREA	KR
<u>3GPPCN1 - CN4 co-located meetings</u>	WG	16 - 20 Aug 2004	t.b.d	
<u>3GPPCN#25</u>	OR	8 - 10 Sep 2004	US	US
<u>3GPPCN1 - CN4 co-located meetings</u>	WG	15 - 19 Nov 2004	t.b.d	
<u>3GPPCN#26</u>	OR	8 - 10 Dec 2004	Athens	GR

11 Specifications in TSG-CN domain

NP-0300165 CRs to 41001 and 0101, JMM, MCC.

Status: **NOTED.**

NP-030166 CRs to 41.002, 41.003, 0101, 21.001, 21.002, and 21.003, JMM, MCC.

Status: **NOTED.**

NP-030167 On Features and Releases. **WITHDRAWN.**

NP-030168 status list before, JMM, MCC.

Status: **NOTED.**

NP-030169 Friendly databases, JMM, MCC.

Content: Contains a document explaining some modifications that have been made to the various 3GPP databases. It also contains several hyperlinks to web based versions of the data.

Comments: JMM will also attempt to find a process of automatically updating the various documents.

Status: **NOTED.**

NP-030170 specs not under change control.

Status: **NOTED.**

NP-030171 Renumbering of 21.102, 21.103, 41.102, 41.103.

Status: **NOTED.**

12 Review of 3GPP Work Plan

NP-030161 3GPP Work Plan, source MCC **NOTED.**

Status: **NOTED - Will be updated before presentation to SA#20.**

NP-030162 3GPP Work Plan [Slide Presentation] , source MCC

Comments: Comments were made online to the slide:-

Slide 29 Revised wording to the CN1 part (CN#20 approved new integrated WID)

Slide 55 Addition of info on the dependency on GERAN decision

Slide 37 Move date back to Dec

Slide 42 Stage 3 part is missing - the CN1 and CN5 parts are aimed for completion Dec 2003

Note the OMA stage 2. part of Presence is not reflected in the **3GPP** work plan

Slide 46 There is CN5 work in CN5 on GUP, but no stage 2 work in SA2

Slide 48 CN1 also has a new TS (authent. and PLMN selection) for WLAN / UMTS interworking

Slide 51 CN3 part - Approved a new WID at CN#20 and completion for work is March 2003.

Slide 55 RAN and CN have provided CRs for Rel-5 specifications - Reflect the GERAN dependency on the two sets of CN CRs.

Slide 54 CN1 wish to be informed by SA4 of new CODECs for AMR-WB extensions.

Slide 62 CAMEL EDS expected completion date is now December 2003, to allow review of collective CRs to CN4 specs in CN4 #20

Slide 77 CONCLUSIONS should reflect in some way the IETF dependencies

Status: **NOTED - Will be updated before presentation to SA#20.**

NP-030163 Overview of Release-5 Sultan, MCC.

Comments: Addition of 3GPP2 for clause 12. OSA part.

Requirement to simplify the SCUDIF section.

The intention is to provide this as a TR in the 21-series.

CN supported the document and found it very useful.

It was requested to have a similar document available for Rel-6 and also possibly to have a link to it from the 3GPP web page.

Status: **NOTED - Will be updated before presentation to SA#20.**

13 Postponed issues from earlier in the meeting

No Input.

14 Any other business

TSG_CN and TSG_RAN had a short joint session on Thursday evening. For the notes from that meeting see the TSG_RAN #20 meeting report.

Working Groups are requested to note that after CN#20 *Rel-5 is in DEEP FREEZE mode*.

There will be elections for one new CN Vice chair (to replace Ian Park) in the September TSG_CN meeting.

15 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting at 10.30 on Friday 6th of June.

ANNEX A: OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
NP-030301	LS on MNP	CN4	SA, SA1, CN2	-
NP-030308	LS on Security Association Lifetime Management	SA3	CN1	NP-030291
NP-030310	LS on future codecs with same SDU format as existing codecs	SA4	-	-

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

TDoc #	Type	Spec	Tdoc Title	N Versio	Source
NP-030293	TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	6.0.0	CN3

A.3 New / Revised Work Items Approved

Tdoc	Tdoc Title	Source	Rel
NP-030198	WID: Gq interface specification for Dynamic Policy control enhancements	CN3	Rel-6
NP-030229	Enhancements to the CX and Sh interfaces	CN4	Rel-6
NP-030302	Support of the Presence Service in Core Network Signalling Protocols	CN1	Rel-6
NP-030286	IMS Stage-3 Enhancements	CN1	Rel-6
NP-030287	Emergency Call Enhancements for IP& PS Based Calls - stage 3	CN1	Rel-6
NP-030288	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	CN1	Rel-6
NP-030292	Updated WID on Interworking of IMS - CS	CN3	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
23.009	094	2	R99	F	NP-030268	N1-030906	APPROVED	Correct text related to timer expiry for receipt of A -HANDOVER-COMPLETE / lu-RELOCATION-COMPLETE	3.13.0	N1	GSM-UMTS Interworking
23.009	095	2	Rel-4	A	NP-030268	N1-030907	APPROVED	Correct text related to timer expiry for receipt of A -HANDOVER-COMPLETE / lu-RELOCATION-COMPLETE	4.7.0	N1	GSM-UMTS Interworking
23.009	096	2	Rel-5	A	NP-030268	N1-030908	APPROVED	Correct text related to timer expiry for receipt of A -HANDOVER-COMPLETE / lu-RELOCATION-COMPLETE	5.4.0	N1	GSM-UMTS Interworking
23.009	097	2	Rel-5	F	NP-030283	N1-030875	APPROVED	Addition of UESB-lu to handover and relocation procedures	5.4.0	N1	LATE_UE
23.218	043	5	Rel-5	F	NP-030272	N1-030943	APPROVED	Correction on Handling of MO request	5.4.0	N1	IMS-CCR
23.218	044	1	Rel-5	F	NP-030272	N1-030516	APPROVED	Corrections regarding SPTs and Filter Criteria handling on REGISTER request	5.4.0	N1	IMS-CCR
23.218	046	1	Rel-5	F	NP-030272	N1-030517	APPROVED	Clarifications on SPT.	5.4.0	N1	IMS-CCR
23.218	048	-	Rel-5	F	NP-030272	N1-030663	APPROVED	Clarification concerning the use of Service Key	5.4.0	N1	IMS-CCR
23.218	051	1	Rel-5	F	NP-030272	N1-030855	APPROVED	S-CSCF behavior correction to enable call forwarding	5.4.0	N1	IMS-CCR
23.218	055	1	Rel-5	F	NP-030272	N1-030924	APPROVED	Filtering of unknown header fields and header parameters	5.4.0	N1	IMS-CCR
24.008	750	-	Rel-6	F	NP-030284	N1-030390	APPROVED	MS RAC encoding	6.0.0	N1	TEI6
24.008	751	1	R99	F	NP-030269	N1-030664	APPROVED	Combined RAU successful for GPRS only, missing GMM cause IE	3.15.0	N1	TEI
24.008	752	1	Rel-4	A	NP-030269	N1-030665	APPROVED	Combined RAU successful for GPRS only, missing GMM cause IE(corresponding change to Rel-5 was part of N1-030216, CR 24.008-741 rev1,	4.10.0	N1	TEI
24.008	753	3	R99	F	NP-030269	N1-030554	APPROVED	Bearer Capability IE	3.15.0	N1	TEI
24.008	754	3	Rel-4	A	NP-030269	N1-030555	APPROVED	Bearer Capability IE	4.10.0	N1	TEI
24.008	755	3	Rel-5	A	NP-030269	N1-030556	APPROVED	Bearer Capability IE	5.7.0	N1	TEI
24.008	756	3	Rel-6	A	NP-030269	N1-030557	APPROVED	Bearer Capability IE	6.0.0	N1	TEI
24.008	759	-	Rel-5	F	NP-030273	N1-030615	APPROVED	Alignment of parameter 'signalling information' with other QoS parameters	5.7.0	N1	IMS-CCR
24.008	760	-	Rel-6	A	NP-030273	N1-030616	APPROVED	Alignment of parameter 'signalling information' with other QoS parameters	6.0.0	N1	IMS-CCR
24.008	761	1	R99	F	NP-030269	N1-030822	APPROVED	Provision of DNS server IPv6 address	3.15.0	N1	TEI
24.008	762	1	Rel-4	A	NP-030269	N1-030823	APPROVED	Provision of DNS server IPv6 address	4.10.0	N1	TEI

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
24.008	763	1	Rel-5	F	NP-030273	N1-030841	APPROVED	Cleanup and correction of the PCO-IE	5.7.0	N1	IMS-CCR
24.008	764	1	Rel-6	A	NP-030273	N1-030842	APPROVED	Cleanup and correction of the PCO-IE	6.0.0	N1	IMS-CCR
24.008	765	1	Rel-4	F	NP-030271	N1-030824	APPROVED	Indication of the MS support of "Modulation based multislot class"	4.10.0	N1	TEI4
24.008	766	1	Rel-5	A	NP-030271	N1-030825	APPROVED	Indication of the MS support of "Modulation based multislot class"	5.7.0	N1	TEI4
24.008	767	1	Rel-6	A	NP-030271	N1-030826	APPROVED	Indication of the MS support of "Modulation based multislot class"	6.0.0	N1	TEI4
24.008	768	-	Rel-6	F	NP-030284	N1-030626	APPROVED	Wrong references in SETUP and redirected number/subaddress IEs	6.0.0	N1	TEI6
24.008	769	-	R99	F	NP-030270	N1-030655	APPROVED	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	3.15.0	N1	TEI
24.008	770	-	Rel-4	A	NP-030270	N1-030656	APPROVED	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	4.10.0	N1	TEI
24.008	771	-	Rel-5	A	NP-030270	N1-030657	APPROVED	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	5.7.0	N1	TEI
24.008	772	-	Rel-6	A	NP-030270	N1-030661	APPROVED	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	6.0.0	N1	TEI
24.008	773	-	R99	F	NP-030267	N1-030666	APPROVED	Unciphered transmission of Authentication and Ciphery Failure in A/Gb mode	3.15.0	N1	Security
24.008	774	-	Rel-4	A	NP-030267	N1-030667	APPROVED	Unciphered transmission of Authentication and Ciphery Failure in A/Gb mode	4.10.0	N1	Security
24.008	775	-	Rel-5	A	NP-030267	N1-030668	APPROVED	Unciphered transmission of Authentication and Ciphery Failure in A/Gb mode	5.7.0	N1	Security
24.008	776	-	Rel-6	A	NP-030267	N1-030669	APPROVED	Unciphered transmission of Authentication and Ciphery Failure in A/Gb mode	6.0.0	N1	Security
24.008	779	-	Rel-5	F	NP-030282	N1-030673	APPROVED	Correction of the static conditions for the bearer capability IE contents	5.7.0	N1	TEI5
24.008	780	-	Rel-6	A	NP-030282	N1-030674	APPROVED	Correction of the static conditions for the bearer capability IE contents	6.0.0	N1	TEI5
24.008	781	1	R99	F	NP-030270	N1-030827	APPROVED	Clarification of the procedure for the change of DRX parameter	3.15.0	N1	TEI
24.008	782	1	Rel-4	A	NP-030270	N1-030828	APPROVED	Clarification of the procedure for the change of DRX parameter	4.10.0	N1	TEI
24.008	783	1	Rel-5	A	NP-030270	N1-030829	APPROVED	Clarification of the procedure for the change of DRX parameter	5.7.0	N1	TEI
24.008	784	1	Rel-6	A	NP-030270	N1-030830	APPROVED	Clarification of the procedure for the change of DRX parameter	6.0.0	N1	TEI
24.011	027	2	Rel-5	F	NP-030282	N1-030925	APPROVED	UE behaviour when sending SMS over GPRS	5.1.0	N1	TEI5
24.228	103	-	Rel-5	F	NP-030274	N1-030408	APPROVED	Minor 24.228 cleanup	5.4.0	N1	IMS-CCR

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
24.228	104	2	Rel-5	F	NP-030274	N1-030704	APPROVED	General update (SDP) to clauses 7 and 8	5.4.0	N1	IMS-CCR
24.228	105	-	Rel-5	F	NP-030274	N1-030416	APPROVED	Globally unique value of the ICID	5.4.0	N1	IMS-CCR
24.228	106	1	Rel-5	F	NP-030274	N1-030512	APPROVED	Alignment of flows with RFC 3329 (sec-agree)	5.4.0	N1	IMS-CCR
24.228	107	-	Rel-5	F	NP-030274	N1-030458	APPROVED	Minor corrections in 10.4.2 and 10.5.2	5.4.0	N1	IMS-CCR
24.228	108	-	Rel-5	F	NP-030274	N1-030459	APPROVED	Minor corrections in 5.3.6	5.4.0	N1	IMS-CCR
24.228	109	1	Rel-5	F	NP-030274	N1-030522	APPROVED	SUBSCRIBE request information stored at the P-CSCF and S-CSCF	5.4.0	N1	IMS-CCR
24.228	110	-	Rel-5	F	NP-030274	N1-030797	APPROVED	Removal of the Event header field from the response to the SUBSCRIBE request	5.4.0	N1	IMS-CCR
24.228	111	1	Rel-5	F	NP-030274	N1-030847	APPROVED	Expires header alignment with 24.229	5.4.0	N1	IMS-CCR
24.229	295	4	Rel-5	F	NP-030275	N1-030939	APPROVED	Security agreement inclusion in SIP profile	5.4.0	N1	IMS-CCR
24.229	322	5	Rel-5	F	NP-030275	N1-030938	APPROVED	3GPP P-header inclusion in SIP profile	5.4.0	N1	IMS-CCR
24.229	332	5	Rel-5	F	NP-030275	N1-030923	APPROVED	Change of IP address for the UE	5.4.0	N1	IMS-CCR
24.229	342	-	Rel-5	F	NP-030275	N1-030349	APPROVED	Removal of the requirement for UE re-authentication initiated by HSS	5.4.0	N1	IMS-CCR
24.229	343	2	Rel-5	F	NP-030275	N1-030552	APPROVED	UE behaviour on reception of 420 (Bad Extension) message	5.4.0	N1	IMS-CCR
24.229	347	2	Rel-5	F	NP-030275	N1-030551	APPROVED	Handling of DTMF	5.4.0	N1	IMS-CCR
24.229	348	1	Rel-5	F	NP-030276	N1-030510	APPROVED	Format of Tel URL in P-Asserted-Id	5.4.0	N1	IMS-CCR
24.229	349	-	Rel-5	F	NP-030276	N1-030387	APPROVED	Delete Note on header stripping/SDP manipulation	5.4.0	N1	IMS-CCR
24.229	354	1	Rel-5	F	NP-030276	N1-030520	APPROVED	Clarifications on using DNS procedures	5.4.0	N1	IMS-CCR
24.229	356	4	Rel-5	F	NP-030276	N1-030942	APPROVED	Addition of procedures at the AS for SDP	5.4.0	N1	IMS-CCR
24.229	357	1	Rel-5	F	NP-030276	N1-030499	APPROVED	Usage of P-Associated-URI	5.4.0	N1	IMS-CCR
24.229	359	1	Rel-5	F	NP-030276	N1-030501	APPROVED	Network-initiated deregistration at UE and P-CSCF	5.4.0	N1	IMS-CCR
24.229	360	2	Rel-5	F	NP-030276	N1-030550	APPROVED	Barred identities	5.4.0	N1	IMS-CCR
24.229	365	1	Rel-5	F	NP-030276	N1-030513	APPROVED	PDP context subject to SBLP cannot be reused by other IMS sessions	5.4.0	N1	IMS-CCR

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
24.229	368	1	Rel-5	F	NP-030276	N1-030506	APPROVED	User authentication failure cleanups	5.4.0	N1	IMS-CCR
24.229	369	3	Rel-5	F	NP-030277	N1-030931	APPROVED	S-CSCF behavior correction to enable call forwarding	5.4.0	N1	IMS-CCR
24.229	370	1	Rel-5	F	NP-030277	N1-030521	APPROVED	SUBSCRIBE request information stored at the P-CSCF and S-CSCF	5.4.0	N1	IMS-CCR
24.229	371	1	Rel-5	F	NP-030277	N1-030858	APPROVED	Profile Tables - Transparency	5.4.0	N1	IMS-CCR
24.229	375	1	Rel-5	F	NP-030277	N1-030860	APPROVED	Profile Tables - Major Capability Corrections	5.4.0	N1	IMS-CCR
24.229	376	2	Rel-5	F	NP-030277	N1-030921	APPROVED	Profile Tables - Deletion of Elements not used in 24.229	5.4.0	N1	IMS-CCR
24.229	377	1	Rel-5	F	NP-030277	N1-030840	APPROVED	Use of the QoS parameter 'signalling information' for a signalling PDP context	5.4.0	N1	IMS-CCR
24.229	378	2	Rel-5	F	NP-030277	N1-030919	APPROVED	Deregistration of a PUID (not the last one)	5.4.0	N1	IMS-CCR
24.229	379	2	Rel-5	F	NP-030277	N1-030920	APPROVED	'Last registered public user identity' terminology change	5.4.0	N1	IMS-CCR
24.229	380	1	Rel-5	F	NP-030277	N1-030881	APPROVED	Check Integrity Protection for P-Access-Network-Info header	5.4.0	N1	IMS-CCR
24.229	381	1	Rel-5	F	NP-030278	N1-030882	APPROVED	PCSCF setting of Integrity protection indicator and checking of Security Verify header	5.4.0	N1	IMS-CCR
24.229	383	1	Rel-5	F	NP-030278	N1-030884	APPROVED	Consistent treatment of register and de-register	5.4.0	N1	IMS-CCR
24.229	384	1	Rel-5	F	NP-030278	N1-030885	APPROVED	Optionality of sending CK is removed	5.4.0	N1	IMS-CCR
24.229	385	1	Rel-5	F	NP-030278	N1-030886	APPROVED	Addition of note and Correction of References regarding security associations and registration	5.4.0	N1	IMS-CCR
24.229	387	1	Rel-5	F	NP-030278	N1-030887	APPROVED	Subscription/Registration refresh time	5.4.0	N1	IMS-CCR
24.229	388	1	Rel-5	F	NP-030278	N1-030863	APPROVED	Corrections to use of IK	5.4.0	N1	IMS-CCR
24.229	390	-	Rel-5	F	NP-030278	N1-030647	APPROVED	Mobile-originating case at UE	5.4.0	N1	IMS-CCR
24.229	394	2	Rel-5	F	NP-030278	N1-030917	APPROVED	Re-authentication procedure.	5.4.0	N1	IMS-CCR
24.229	395	-	Rel-5	F	NP-030278	N1-030652	APPROVED	Replacement of SIP URL with SIP URI	5.4.0	N1	IMS-CCR
24.229	397	2	Rel-5	F	NP-030279	N1-030926	APPROVED	Notification about registration state	5.4.0	N1	IMS-CCR
24.229	402	1	Rel-5	F	NP-030279	N1-030848	APPROVED	Handling of P-Asserted ID in MGCF	5.4.0	N1	IMS-CCR
24.229	404	1	Rel-5	F	NP-030279	N1-030873	APPROVED	S-CSCF initiated release of calls to circuit switched network	5.4.0	N1	IMS-CCR

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
24.229	405	2	Rel-5	F	NP-030279	N1-030927	APPROVED	Supported Integrity algorithms	5.4.0	N1	IMS-CCR
24.229	407	1	Rel-5	F	NP-030279	N1-030851	APPROVED	RFC 3524, Single Reservation Flows	5.4.0	N1	IMS-CCR
24.229	410	1	Rel-5	F	NP-030279	N1-030868	APPROVED	Clarification of the S-CSCF's handling of the P-access-network-info header	5.4.0	N1	IMS-CCR
24.229	411	2	Rel-5	F	NP-030279	N1-030941	APPROVED	Port numbers in the RR header entries	5.4.0	N1	IMS-CCR
24.229	412	2	Rel-5	F	NP-030279	N1-030928	APPROVED	Registration abnormal cases	5.4.0	N1	IMS-CCR
24.229	415	-	Rel-5	F	NP-030280	N1-030720	APPROVED	Minor correction to section 5.4.5.1.2	5.4.0	N1	IMS-CCR
24.229	417	1	Rel-5	F	NP-030280	N1-030872	APPROVED	Introduction of RTCP bandwidth	5.4.0	N1	IMS-CCR
24.229	418	1	Rel-5	F	NP-030280	N1-030844	APPROVED	Registratin Event - Shortend	5.4.0	N1	IMS-CCR
24.229	419	1	Rel-5	F	NP-030280	N1-030845	APPROVED	HSS / S-CSCF text relating to user deregistration	5.4.0	N1	IMS-CCR
24.229	421	-	Rel-5	F	NP-030280	N1-030743	APPROVED	Handling of unknown methods at the P-CSCF	5.4.0	N1	IMS-CCR
24.229	422	1	Rel-5	F	NP-030280	N1-030870	APPROVED	Definitions and abbreviations update	5.4.0	N1	IMS-CCR
24.229	423	-	Rel-5	F	NP-030280	N1-030752	APPROVED	Removal of hanging paragraph	5.4.0	N1	IMS-CCR
24.229	424	-	Rel-5	F	NP-030280	N1-030753	APPROVED	Access network charging information	5.4.0	N1	IMS-CCR
24.229	425	1	Rel-5	F	NP-030280	N1-030871	APPROVED	UE procedure tidyup	5.4.0	N1	IMS-CCR
24.229	426	-	Rel-5	F	NP-030281	N1-030755	APPROVED	P-CSCF procedure tidyup	5.4.0	N1	IMS-CCR
24.229	427	-	Rel-5	F	NP-030281	N1-030756	APPROVED	I-CSCF procedure tidyup	5.4.0	N1	IMS-CCR
24.229	428	-	Rel-5	F	NP-030281	N1-030757	APPROVED	S-CSCF procedure tidyup	5.4.0	N1	IMS-CCR
24.229	429	-	Rel-5	F	NP-030281	N1-030758	APPROVED	BGCF procedure tidyup	5.4.0	N1	IMS-CCR
24.229	430	-	Rel-5	F	NP-030281	N1-030759	APPROVED	AS procedure tidyup	5.4.0	N1	IMS-CCR
24.229	431	-	Rel-5	F	NP-030281	N1-030760	APPROVED	MRFC procedure tidyup	5.4.0	N1	IMS-CCR
24.229	434	1	Rel-5	F	NP-030281	N1-030852	APPROVED	SDP procedure tidyup	5.4.0	N1	IMS-CCR
24.229	438	2	Rel-5	F	NP-030281	N1-030935	APPROVED	Profile Tables – Further Corrections	5.4.0	N1	IMS-CCR

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
24.229	439	3	Rel-5	F	NP-030281	N1-030940	APPROVED	AS's subscription for the registration state event package	5.4.0	N1	IMS-CCR
24.229	440	-	Rel-5	F	NP-030281	N1-030792	APPROVED	Temporary Public User Identity in re- and de-REGISTER requests	5.4.0	N1	IMS-CCR
29.018	033	-	Rel-5	F	NP-030283	N1-030709	APPROVED	Addition of IMEISV to BSSAP+-LOCATION-UPDATE-REQUEST message	5.3.0	N1	LATE_UE
44.065	004	4	Rel-6	B	NP-030284	N1-030934	APPROVED	Additional support of ROHC in SNDCP	5.0.0	N1	TEI6
44.065	005	1	Rel-6	C	NP-030284	N1-030833	APPROVED	Multiple header compression algorithms handling	5.0.0	N1	TEI6
24.229	000	-	Rel-5	F	NP-030307		WITHDRAWN		5.4.0	N1	IMS-CCR
24.229	304	4	Rel-5	F	NP-030275	N1-030493	REJECTED	SAs lifetimes in P-CSCF	5.4.0	N1	IMS-CCR
24.229	344	1	Rel-5	F	NP-030275	N1-030494	REJECTED	Setting the SA lifetime at UE upon registration	5.4.0	N1	IMS-CCR
24.229	346	1	Rel-5	F	NP-030275	N1-030496	REJECTED	SA lifetime upon network initiated de-registration	5.4.0	N1	IMS-CCR
24.229	358	2	Rel-5	F	NP-030296	N1-030558	REVISED	User initiated de-registration at P-CSCF	5.4.0	N1	IMS-CCR
24.229	362	2	Rel-5	F	NP-030296	N1-030559	REVISED	User initiated de-registration	5.4.0	N1	IMS-CCR
24.229	398	-	Rel-5	F	NP-030291	N1-030646	rejected	Combined CRs: N1-030495 (Lucent), N1-030558 (Nokia), and N1-030559(Nokia)	5.4.0	N1	IMS-CCR
24.229	398	-	Rel-5	F	SP-030259	N1-030646	REVISED	Combined CRs: N1-030495 (Lucent), N1-030558 (Nokia), and N1-030559(Nokia)	5.4.0	N1	IMS-CCR
24.229	398	-	Rel-5	F	NP-030279	N1-030646	REJECTED	Combined CRs: N1-030495, N1-030558 , and N1-030559	5.4.0	N1	IMS-CCR
24.229	CR 35	2	Rel-5	F	NP-030291	N1-030558	rejected	User initiated de-registration at P-CSCF	5.4.0	N1	IMS-CCR
24.229	CR 35	2	Rel-5	F	NP-030291	N1-030558	rejected	User initiated de-registration at P-CSCF	5.4.0	N1	IMS-CCR
24.229	CR 35	2	Rel-5	F	SP-030259	N1-030558	revised	User initiated de-registration at P-CSCF	5.4.0	N1	IMS-CCR
24.229	CR362	2	Rel-5	F	NP-030291	N1-030559	rejected	User initiated de-registration	5.4.0	N1	IMS-CCR
24.229	CR362	2	Rel-5	F	SP-030259	N1-030559	revised	User initiated de-registration	5.4.0	N1	IMS-CCR
24.229	CR362	2	Rel-5	F	NP-030291	N1-030559	rejected	User initiated de-registration	5.4.0	N1	IMS-CCR
23.078	486	6	Rel-5	F	NP-030188	N2-030293	approved	Implementing and handling of the Outstanding Request Counter	5.3.0	N2	CAMEL4
23.078	554	2	Rel-5	F	NP-030188	N2-030300	approved	Correction to MAP PRN and to MAP SRI	5.3.0	N2	CAMEL4

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
23.078	555	1	Rel-5	F	NP-030188	N2-030306	approved	Removal of ENC disarming from SDL	5.3.0	N2	CAMEL4
23.078	556	-	Rel-5	F	NP-030188	N2-030186	approved	Correction to assisting gsmSSF	5.3.0	N2	CAMEL4
23.078	559	1	Rel-5	F	NP-030188	N2-030309	approved	Correction to Destination Routing Address in ICA	5.3.0	N2	CAMEL4
23.078	560	1	Rel-5	F	NP-030188	N2-030282	approved	Default value for Domain Indicator in ATI IF	5.3.0	N2	CAMEL4
23.078	561	2	Rel-5	F	NP-030188	N2-030312	approved	Correction to Cancel IF	5.3.0	N2	CAMEL4
23.078	562	-	Rel-5	F	NP-030188	N2-030192	approved	Correction to Specialized Resource Report IF	5.3.0	N2	CAMEL4
23.078	563	1	Rel-5	F	NP-030188	N2-030286	approved	Reference to ITU-T timer for default No_Answer timer	5.3.0	N2	CAMEL4
23.078	564	1	Rel-5	F	NP-030188	N2-030305	approved	Correction to Reset Timer handling in CS_gsmSSF	5.3.0	N2	CAMEL4
23.078	565	-	Rel-5	F	NP-030189	N2-030207	approved	TC-ABORT shall not cause "same signal" output in GPRS dialogue handler	5.3.0	N2	CAMEL4
23.078	567	-	Rel-5	F	NP-030189	N2-030209	approved	Adding of TIF-CSI into CAMEL stage 2 MAP-ISD for Call Deflection	5.3.0	N2	CAMEL4
23.078	572	1	Rel-5	F	NP-030189	N2-030289	approved	Receiving Int_CWA after reporting Abandon	5.3.0	N2	CAMEL4
23.078	576	-	Rel-5	F	NP-030189	N2-030232	approved	Correction to TC Establishment procedure	5.3.0	N2	CAMEL4
23.078	581	1	R99	F	NP-030185	N2-030275	approved	Behavior of HLR upon location updating in CAMEL Phase 3	3.16.0	N2	CAMEL3
23.078	582	1	Rel-4	A	NP-030185	N2-030276	approved	Behavior of HLR upon location updating in CAMEL Phase 3	4.8.0	N2	CAMEL3
23.078	585	-	Rel-5	F	NP-030189	N2-030254	approved	VLR number in ERB is not needed	5.3.0	N2	CAMEL4
23.078	586	-	Rel-5	F	NP-030189	N2-030255	approved	Removal of Int_CWA in Process CAMEL_T_CHANGE_OF_POSITION_MSC	5.3.0	N2	CAMEL4
23.078	587	-	Rel-5	F	NP-030189	N2-030256	approved	SRI Handling and CAMEL phase 4	5.3.0	N2	CAMEL4
23.078	593	-	Rel-5	F	NP-030189	N2-030277	approved	Behavior of HLR upon location updating in CAMEL Phase 4	5.3.0	N2	CAMEL4
23.078	594	-	Rel-5	F	NP-030189	N2-030285	approved	Inclusion of DFC IF for assisting gsmSSF	5.3.0	N2	CAMEL4
23.078	596	-	Rel-5	F	NP-030189	N2-030287	approved	Replacing DP numbers by DP names	5.3.0	N2	CAMEL4
23.278	040	1	Rel-5	F	NP-030191	N2-030302	approved	Incorrect list of TDPs listed for O-IM-CSI	5.2.0	N2	IMS-CAMEL
23.278	041	-	Rel-5	F	NP-030191	N2-030261	approved	Corrections to process IM_SSF	5.2.0	N2	IMS-CAMEL

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
23.278	042	-	Rel-5	F	NP-030191	N2-030262	approved	Redundant check for Final_Response_Received in Disconnect procedures.	5.2.0	N2	IMS-CAMEL
29.078	308	-	Rel-5	F	NP-030190	N2-030193	approved	Removal of SCI Operation from NC call CAP syntax	5.3.0	N2	CAMEL4
29.078	309	1	Rel-5	F	NP-030190	N2-030283	approved	Correction to IPSSPCapabilities ASN.1 syntax	5.3.0	N2	CAMEL4
29.078	310	-	Rel-5	F	NP-030190	N2-030195	approved	Removing UnknownLegId Error from DFCWA	5.3.0	N2	CAMEL4
29.078	311	1	Rel-5	F	NP-030190	N2-030284	approved	Removing DFCWA from assisting gsmSSF dialogue	5.3.0	N2	CAMEL4
29.078	312	1	Rel-5	F	NP-030190	N2-030308	approved	Correction to SplitLeg pre-conditions	5.3.0	N2	CAMEL4
29.078	321	-	Rel-5	F	NP-030190	N2-030243	approved	ASN.1 syntax basic corrections	5.3.0	N2	CAMEL4
29.078	323	-	Rel-5	F	NP-030190	N2-030208	approved	DP arming requirement for NP calls	5.3.0	N2	CAMEL4
29.078	324	2	Rel-5	F	NP-030187	N2-030314	approved	ASN.1 change for Calling Party Number length in IDP SMS	5.3.0	N2	CAMEL4
29.078	314	2	Rel-5	F	NP-030186	N2-030315	rejected	Health warning for Calling Party Number length in IDP SMS	5.3.0	N2	CAMEL4
09.61	A050	1	R98	F	NP-030200	N3-030429	approved	Attribute corrections in 09.61	7.9.0	N3	TEI
24.022	009	-	R99	F	NP-030201	N3-030288	approved	Determination of the RLP version by the signalled Bearer capability IE	3.4.0	N3	TEI
24.022	010	-	Rel-4	A	NP-030201	N3-030289	approved	Determination of the RLP version by the signalled Bearer capability IE	4.0.0	N3	TEI
24.022	011	-	Rel-5	A	NP-030201	N3-030290	approved	Determination of the RLP version by the signalled Bearer capability IE	5.2.0	N3	TEI
27.001	086	-	R99	F	NP-030201	N3-030257	approved	Negotiation of fixed network user rate (FNUR)	3.11.0	N3	TEI
27.001	087	-	Rel-4	A	NP-030201	N3-030258	approved	Negotiation of fixed network user rate (FNUR)	4.9.0	N3	TEI
27.001	088	-	Rel-5	A	NP-030201	N3-030259	approved	Negotiation of fixed network user rate (FNUR)	5.5.0	N3	TEI
27.001	090	1	Rel-4	F	NP-030202	N3-030450	approved	Removal of S interface in the MS	4.9.0	N3	TEI
27.001	091	1	Rel-5	A	NP-030202	N3-030451	approved	Removal of S interface in the MS	5.5.0	N3	TEI
27.001	094	2	R99	F	NP-030260	N3-030380	approved	BC-IE alignment with 24.008	3.11.0	N3	CS Data
27.001	095	1	Rel-4	A	NP-030260	N3-030381	approved	BC-IE alignment with 24.008	4.9.0	N3	CS Data
27.001	096	1	Rel-5	A	NP-030260	N3-030382	approved	BC-IE alignment with 24.008	5.5.0	N3	CS Data

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
27.001	097	-	R99	F	NP-030201	N3-030399	approved	Use of single or multislot configuration	3.11.0	N3	TEI
27.001	098	1	Rel-4	A	NP-030201	N3-030433	approved	Use of single or multislot configuration	4.9.0	N3	TEI
27.001	099	1	Rel-5	A	NP-030201	N3-030434	approved	Use of single or multislot configuration	5.5.0	N3	TEI
27.060	082	-	R99	F	NP-030199	N3-030332	approved	Configuration of Domain Name System (DNS) server IPV6 addresses	3.7.0	N3	GPRS
27.060	083	-	Rel-4	A	NP-030199	N3-030333	approved	Configuration of Domain Name System (DNS) server IPV6 addresses	4.2.0	N3	GPRS
27.060	084	1	Rel-5	F	NP-030173	N3-030386	approved	PDP context used for IMS signalling	5.3.0	N3	E2EQoS
29.007	068	-	R99	F	NP-030201	N3-030260	approved	Negotiation of fixed network user rate (FNUR)	3.11.0	N3	TEI
29.007	069	-	Rel-4	A	NP-030201	N3-030261	approved	Negotiation of fixed network user rate (FNUR)	4.7.0	N3	TEI
29.007	070	-	Rel-5	A	NP-030201	N3-030262	approved	Negotiation of fixed network user rate (FNUR)	5.5.0	N3	TEI
29.007	071	1	Rel-5	A	NP-030201	N3-030385	approved	Use of single or multislot configurations	5.5.0	N3	TEI
29.007	073	1	Rel-5	A	NP-030203	N3-030398	approved	Subscription check after Call Confirmed	5.5.0	N3	TEI
29.007	075	3	Rel-5	F	NP-030174	N3-030455	approved	Remove Decision	5.5.0	N3	E2EQoS
29.007	076	-	R99	F	NP-030201	N3-030383	approved	Use of single or multislot configurations	3.11.0	N3	TEI
29.007	077	-	Rel-4	A	NP-030201	N3-030384	approved	Use of single or multislot configurations	4.7.0	N3	TEI
29.007	078	-	R99	F	NP-030203	N3-030396	approved	Subscription check after Call Confirmed	3.11.0	N3	TEI
29.007	079	-	Rel-4	A	NP-030203	N3-030397	approved	Subscription check after Call Confirmed	4.7.0	N3	TEI
29.061	084	1	R99	F	NP-030199	N3-030377	approved	Configuration of Domain Name System (DNS) server IPV6 addresses	3.12.0	N3	GPRS
29.061	085	1	Rel-4	A	NP-030199	N3-030379	approved	Configuration of Domain Name System (DNS) server IPv6 addresses	4.7.0	N3	GPRS
29.061	086	-	Rel-5	F	NP-030199	N3-030307	approved	Clean-up of references	5.5.0	N3	GPRS
29.061	087	-	Rel-5	F	NP-030173	N3-030308	approved	Application level Signalling Indication in the QoS IE	5.5.0	N3	E2EQoS
29.061	089	1	R99	A	NP-030200	N3-030430	approved	Attribute corrections in 29.061	3.12.0	N3	TEI
29.061	090	1	Rel-4	A	NP-030200	N3-030431	approved	Attribute corrections in 29.061	4.7.0	N3	TEI

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.061	091	1	Rel-5	A	NP-030200	N3-030432	approved	Attribute corrections in 29.061	5.5.0	N3	TEI
29.207	089	-	Rel-5	F	NP-030174	N3-030251	approved	Update of reference [11]	5.3.0	N3	E2EQoS
29.207	090	-	Rel-5	F	NP-030174	N3-030253	approved	Alignment with the latest version of Framework PIB	5.3.0	N3	E2EQoS
29.207	091	1	Rel-5	F	NP-030174	N3-030387	approved	Definition of Auth Token	5.3.0	N3	E2EQoS
29.207	094	1	Rel-5	F	NP-030174	N3-030388	approved	Clarification to Binding Information Handling	5.3.0	N3	E2EQoS
29.207	099	1	Rel-5	F	NP-030174	N3-030390	approved	Change PDP Context to Client Handle for PDF	5.3.0	N3	E2EQoS
29.208	034	2	Rel-5	F	NP-030175	N3-030436	approved	Revoke QoS authorization procedure for session redirection after bearer establishment	5.3.1	N3	E2EQoS
23.172	012	2	Rel-5	F	NP-030204	N3-030437	rejected	Call flows for Service Change DURING THE ACTIVE STATE	5.1.0	N3	SCUDIF
27.001	089	1	R99	F	NP-030202	N3-030449	rejected	Removal of S interface in the MS	3.11.0	N3	TEI
03.08	A040	-	R97	F	NP-030213	N4-030382	approved	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	6.5.0	N4	TEI
03.08	A041	-	R98	A	NP-030213	N4-030383	approved	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	7.4.0	N4	TEI
23.003	063	-	R99	F	NP-030209	N4-030427	approved	Correction to Annex C.3 – Target ID	3.11.0	N4	GTP enhancement
23.003	064	-	Rel-4	A	NP-030209	N4-030428	approved	Correction to Annex C.3 – Target ID	4.5.0	N4	GTP enhancement
23.003	065	-	Rel-5	A	NP-030209	N4-030429	approved	Correction to Annex C.3 – Target ID	5.5.1	N4	GTP enhancement
23.008	068	1	Rel-5	F	NP-030223	N4-030693	approved	Storage of UESBI in the VLR and SGSN	5.4.0	N4	LATE_UE
23.008	119	-	R99	A	NP-030213	N4-030384	approved	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	3.7.0	N4	TEI
23.008	120	-	Rel-4	A	NP-030213	N4-030385	approved	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	4.2.0	N4	TEI
23.008	121	-	Rel-5	A	NP-030213	N4-030386	approved	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	5.4.0	N4	TEI
23.012	010	1	Rel-5	F	NP-030226	N4-030652	approved	Addition of procedure to retrieve UE-specific behaviour data	5.0.0	N4	LATE_UE
23.012	010	1	Rel-5	F	NP-030224	N4-030652	approved	Addition of procedure to retrieve UE-specific behaviour data	5.0.0	N4	LATE_UE
23.018	115	2	Rel-5	F	NP-030217	N4-030679	approved	Stopping No_Answer timer in the case of forwarding notification	5.6.0	N4	CAMEL4
23.018	123	4	Rel-5	F	NP-030217	N4-030679	approved	Enhancements of dialled services procedures in MO and MF calls	5.6.0	N4	CAMEL4

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
23.018	124	1	Rel-5	F	NP-030224	N4-030660	approved	Addition of procedure to retrieve UE-specific behaviour data	5.6.0	N4	LATE_UE
23.018	124	1	Rel-5	F	NP-030226	N4-030660	approved	Addition of procedure to retrieve UE-specific behaviour data	5.6.0	N4	LATE_UE
23.066	023	1	Rel-5	F	NP-030221	N4-030710	approved	IN-based solution for correct charging of calls to ported or non-portable subscribers originated by pre-paid subscribers	5.0.0	N4	MNP
23.153	051	1	Rel-5	F	NP-030222	N4-030617	approved	Inter-MSC SRNS relocation with TrFO	5.4.0	N4	OoBTC
23.153	054	2	Rel-4	F	NP-030211	N4-030699	approved	PCM codec handling clarifications	4.7.0	N4	OoBTC
23.153	055	2	Rel-5	A	NP-030211	N4-030700	approved	PCM codec handling clarifications	5.4.0	N4	OoBTC
23.153	056	-	Rel-4	F	NP-030211	N4-030539	approved	DTMF Clarifications	4.7.0	N4	OoBTC
23.153	057	-	Rel-5	A	NP-030211	N4-030540	approved	DTMF Clarifications	5.4.0	N4	OoBTC
23.153	058	2	Rel-4	F	NP-030211	N4-030701	approved	TMR handling	4.7.0	N4	OoBTC
23.153	059	1	Rel-5	A	NP-030211	N4-030702	approved	TMR handling	5.4.0	N4	OoBTC
23.205	041	-	Rel-4	F	NP-030212	N4-030530	approved	OoB DTMF Clarifications	4.6.0	N4	CSSPLIT
23.205	042	-	Rel-5	A	NP-030212	N4-030531	approved	OoB DTMF Clarifications	5.5.0	N4	CSSPLIT
23.205	043	1	Rel-4	F	NP-030212	N4-030615	approved	OoB DTMF Timing	4.6.0	N4	CSSPLIT
23.205	044	1	Rel-5	A	NP-030212	N4-030616	approved	OoB DTMF Timing	5.5.0	N4	CSSPLIT
29.002	500	5	Rel-5	F	NP-030218	N4-030657	approved	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	5.5.0	N4	LCS1
29.002	534	1	Rel-4	F	NP-030208	N4-030690	approved	Additional SGSN related Access Types - Detach	4.11.0	N4	SEC1-EHCS
29.002	535	1	Rel-5	A	NP-030208	N4-030691	approved	Additional SGSN related Access Types - Detach	5.5.0	N4	SEC1-EHCS
29.002	536	1	Rel-6	A	NP-030208	N4-030692	approved	Additional SGSN related Access Types - Detach	6.1.0	N4	SEC1-EHCS
29.002	568	4	Rel-6	A	NP-030218	N4-030658	approved	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	6.1.0	N4	LCS1
29.002	574	-	Rel-6	A	NP-030228	N4-030638	approved	Provision of SDL diagrams and removal of redundant text in chapter 25	6.1.0	N4	TEI5
29.002	578	1	Rel-5	F	NP-030228	N4-030639	approved	Provision of SDL diagrams and removal of redundant text in chapter 24A	5.5.0	N4	TEI5
29.002	579	1	Rel-6	A	NP-030228	N4-030640	approved	Provision of SDL diagrams and removal of redundant text in chapter 24A	6.1.0	N4	TEI5

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.002	580	-	Rel-5	F	NP-030228	N4-030391	approved	Provision of SDL diagrams in chapter 24B	5.5.0	N4	TEI5
29.002	581	-	Rel-6	A	NP-030228	N4-030392	approved	Provision of SDL diagrams in chapter 24B	6.1.0	N4	TEI5
29.002	593	2	Rel-5	F	NP-030228	N4-030670	approved	Provision of SDL diagrams and removal of redundant text in chapter 24	5.5.0	N4	TEI5
29.002	594	2	Rel-6	A	NP-030228	N4-030671	approved	Provision of SDL diagrams and removal of redundant text in chapter 24	6.1.0	N4	TEI5
29.002	595	2	Rel-6	A	NP-030228	N4-030713	approved	Removal of redundant text from 29.002 Chapter 23	6.1.0	N4	TEI5
29.002	598	-	Rel-5	F	NP-030218	N4-030438	approved	LCS Client external ID	5.5.0	N4	LCS1
29.002	599	-	Rel-6	A	NP-030218	N4-030439	approved	LCS Client external ID	6.1.0	N4	LCS1
29.002	606	1	Rel-5	F	NP-030228	N4-030681	approved	Provision of SDL diagrams and removal of redundant text in chapter 22	5.5.0	N4	TEI5
29.002	607	1	Rel-6	A	NP-030228	N4-030682	approved	Provision of SDL diagrams and removal of redundant text in chapter 22	6.1.0	N4	TEI5
29.002	608	1	Rel-6	B	NP-030231	N4-030608	approved	Addition of LCS capability sets to MAP_SRI_for_LCS response	6.1.0	N4	LCS2
29.002	609	1	Rel-5	B	NP-030224	N4-030641	approved	Transfer of UE-specific behaviour bitmap at handover	5.5.0	N4	LATE_UE
29.002	610	1	Rel-6	B	NP-030224	N4-030642	approved	Transfer of UE-specific behaviour bitmap at handover	6.1.0	N4	LATE_UE
29.002	611	1	Rel-5	A	NP-030226	N4-030646	approved	Enhancement of the CheckIMEI operation to retrieve the BMUEF	5.5.0	N4	LATE_UE
29.002	611	1	Rel-5	A	NP-030224	N4-030646	approved	Enhancement of the CheckIMEI operation to retrieve the BMUEF	5.5.0	N4	LATE_UE
29.002	612	1	Rel-6	A	NP-030224	N4-030647	approved	Enhancement of the CheckIMEI operation to retrieve the BMUEF	6.1.0	N4	LATE_UE
29.002	612	1	Rel-6	A	NP-030226	N4-030647	approved	Enhancement of the CheckIMEI operation to retrieve the BMUEF	6.1.0	N4	LATE_UE
29.002	617	-	Rel-5	F	NP-030228	N4-030513	approved	Formal correction to the ASN.1 syntax of SendIdentificationRes	5.5.0	N4	TEI5
29.002	618	1	Rel-5	F	NP-030217	N4-030677	approved	Correction to naming of PRN parameter	5.5.0	N4	CAMEL4
29.002	619	1	Rel-6	A	NP-030217	N4-030678	approved	Correction to naming of PRN parameter	6.1.0	N4	CAMEL4
29.002	624	1	Rel-6	F	NP-030231	N4-030609	approved	Addition of Privacy Check Related Action to Provide Subscriber Location request	6.1.0	N4	LCS2
29.002	630	-	R99	F	NP-030214	N4-030598	approved	missing SMS transmission via MSC	3.16.0	N4	TEI
29.002	631	-	Rel-4	A	NP-030214	N4-030599	approved	missing SMS transmission via MSC	4.11.0	N4	TEI

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.002	632	-	Rel-5	A	NP-030214	N4-030600	approved	missing SMS transmission via MSC	5.5.0	N4	TEI
29.002	633	-	Rel-6	A	NP-030214	N4-030601	approved	missing SMS transmission via MSC	6.1.0	N4	TEI
29.002	634	-	Rel-5	F	NP-030228	N4-030683	approved	Provision of SDL diagrams and removal of redundant text in chapter 25	5.5.0	N4	TEI5
29.002	635	-	Rel-5	F	NP-030228	N4-030684	approved	Removal of redundant text from 29.002 Chapter 23	5.5.0	N4	TEI5
29.010	086	-	R99	F	NP-030210	N4-030547	approved	LCS Cause Code Mappings between RANAP & BSSMAP	3.10.0	N4	LCS
29.010	087	-	Rel-4	A	NP-030210	N4-030548	approved	LCS Cause Code Mappings between RANAP & BSSMAP	4.5.0	N4	LCS
29.010	088	-	Rel-5	A	NP-030210	N4-030549	approved	LCS Cause Code Mappings between RANAP & BSSMAP	5.2.0	N4	LCS
29.010	089	1	Rel-5	F	NP-030224	N4-030650	approved	Handling of UE-specific behaviour data in the relay MSC	5.2.0	N4	LATE_UE
29.010	090	-	Rel-5	F	NP-030226	N4-030651	approved	Handling of UE-specific behaviour data in the relay MSC	5.2.0	N4	LATE_UE
29.060	405	1	R99	F	NP-030209	N4-030686	approved	Correction for PDP Context Response with no PDP Contexts	3.16.0	N4	GTP enhancement
29.060	406	1	Rel-4	A	NP-030209	N4-030687	approved	Correction for PDP Context Response with no PDP Contexts	4.7.0	N4	GTP enhancement
29.060	407	1	Rel-5	A	NP-030209	N4-030688	approved	Correction for PDP Context Response with no PDP Contexts	5.5.0	N4	GTP enhancement
29.060	408	1	Rel-6	A	NP-030209	N4-030689	approved	Correction for PDP Context Response with no PDP Contexts	6.0.0	N4	GTP enhancement
29.060	410	-	Rel-6	F	NP-030230	N4-030421	approved	Controlling compression performed on the SGSN	6.0.0	N4	TEI6
29.060	411	1	Rel-5	F	NP-030219	N4-030664	approved	Enhancement of description for 'User authentication failed' error for Create PDP Context response message	5.5.0	N4	GTP enhancement
29.060	412	1	Rel-6	A	NP-030219	N4-030665	approved	Enhancement of description for 'User authentication failed' error for Create PDP Context response message	6.0.0	N4	GTP enhancement
29.060	419	2	Rel-5	F	NP-030219	N4-030704	approved	Definition of reserved TEID value	5.5.0	N4	GTP enhancement
29.060	420	2	Rel-6	A	NP-030219	N4-030705	approved	Definition of reserved TEID value	6.0.0	N4	GTP enhancement
29.060	421	-	Rel-5	F	NP-030219	N4-030496	approved	QoS Profile Data parameter in the Quality of Service (Data) Profile IE extended with one octet	5.5.0	N4	GTP enhancement
29.060	422	-	Rel-6	A	NP-030219	N4-030497	approved	QoS Profile Data parameter in the Quality of Service (Data) Profile IE extended with one octet	6.0.0	N4	GTP enhancement
29.060	423	-	Rel-5	F	NP-030223	N4-030498	approved	IMEISV to be included in the Container within the MM Context	5.5.0	N4	LATE_UE
29.060	424	-	Rel-6	A	NP-030223	N4-030499	approved	IMEISV to be included in the Container within the MM Context	6.0.0	N4	LATE_UE

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.205	006	2	Rel-5	F	NP-030220	N4-030712	approved	Alignment of references after renumbering of H248 by ITU-T	5.0.0	N4	CSSPLIT
29.228	043	-	Rel-5	F	NP-030215	N4-030455	approved	Correct use of the Result-Code AVP	5.3.0	N4	IMS-CCR
29.228	044	1	Rel-5	F	NP-030215	N4-030624	approved	Conditionality of User-Name AVP in Server-Assignment-Answer	5.3.0	N4	IMS-CCR
29.228	045	2	Rel-5	F	NP-030215	N4-030711	approved	Corrections to the base 64 encoding examples	5.3.0	N4	IMS-CCR
29.228	046	1	Rel-5	F	NP-030215	N4-030626	approved	Deregistration of implicitly registered public user identities	5.3.0	N4	IMS-CCR
29.228	047	-	Rel-5	F	NP-030215	N4-030473	approved	Clarification on the Server-Assignment-Type NO_ASSIGNMENT	5.3.0	N4	IMS-CCR
29.228	048	-	Rel-5	F	NP-030215	N4-030635	approved	Incorrect use of result-code	5.3.0	N4	IMS-CCR
29.228	049	1	Rel-5	F	NP-030215	N4-030604	approved	Misalignment Public-User-Identity IE	5.3.0	N4	IMS-CCR
29.228	050	1	Rel-5	F	NP-030215	N4-030605	approved	Duplicated Destination-Host AVP within MAR command mode	5.3.0	N4	IMS-CCR
29.229	019	-	Rel-5	F	NP-030215	N4-030470	approved	Conditionality of User-Name AVP in Server-Assignment-Answer	5.3.0	N4	IMS-CCR
29.232	057	1	Rel-5	F	NP-030220	N4-030694	approved	Alignment of references after renumbering of H248 by ITU-T	5.5.0	N4	CSSPLIT
29.232	058	-	Rel-4	F	NP-030212	N4-030534	approved	DTMF timing requirements on MGW	4.7.0	N4	CSSPLIT
29.232	059	-	Rel-5	A	NP-030212	N4-030535	approved	DTMF timing requirements on MGW	5.5.0	N4	CSSPLIT
29.328	022	1	Rel-5	F	NP-030216	N4-030627	approved	Co-ordination of Update of Repository Data	5.3.2	N4	IMS-CCR
29.328	023	1	Rel-5	F	NP-030216	N4-030629	approved	Enhanced description of Sh-Pull Request and Response	5.3.2	N4	IMS-CCR
29.328	024	2	Rel-5	F	NP-030216	N4-030633	approved	Enhanced description of Sh-Notif and Sh-Notif-Subs Request and Response	5.3.2	N4	IMS-CCR
29.328	025	2	Rel-5	F	NP-030216	N4-030636	approved	A range of editorial changes and corrections and additions of references	5.3.2	N4	IMS-CCR
29.328	027	-	Rel-5	F	NP-030216	N4-030456	approved	Discrepancy between XML schema of Cx and Sh interface	5.3.2	N4	IMS-CCR
29.328	029	-	Rel-5	F	NP-030216	N4-030476	approved	Correction to the use of User-Identity	5.3.2	N4	IMS-CCR
29.328	030	-	Rel-5	F	NP-030216	N4-030494	approved	Clarification on the handling of the "Charging Information" via the Sh Interface	5.3.2	N4	IMS-CCR
29.329	014	1	Rel-5	F	NP-030216	N4-030628	approved	Co-ordination of Update of Repository Data	5.3.0	N4	IMS-CCR
29.329	015	1	Rel-5	F	NP-030216	N4-030634	approved	Command code correction for UDA plus editorial corrections	5.3.0	N4	IMS-CCR

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.329	016	-	Rel-5	F	NP-030216	N4-030457	approved	Correction on Current-Location AVP values	5.3.0	N4	IMS-CCR
29.329	018	-	Rel-5	F	NP-030216	N4-030477	approved	Correction to the use of User-Identity	5.3.0	N4	IMS-CCR
29.329	019	1	Rel-5	F	NP-030216	N4-030632	approved	Correction to the use of Data-Reference	5.3.0	N4	IMS-CCR
23.012	011	-	Rel-5	F	NP-030227	N4-030653	rejected	Addition of procedure to retrieve UE-specific behaviour data	5.0.0	N4	LATE_UE
23.012	011	-	Rel-5	F	NP-030225	N4-030653	rejected	Addition of procedure to retrieve UE-specific behaviour data	5.0.0	N4	LATE_UE
23.018	125	-	Rel-5	F	NP-030225	N4-030661	rejected	Addition of procedure to retrieve UE-specific behaviour data	5.6.0	N4	LATE_UE
23.018	125	-	Rel-5	F	NP-030227	N4-030661	rejected	Addition of procedure to retrieve UE-specific behaviour data	5.6.0	N4	LATE_UE
23.079	025	1	Rel-5	F	NP-030061	NP-030261	rejected	Correction to interaction between ORLCF and forwarding notification	5.2.0	N4	CAMEL4
23.153	060	-	Rel-4		NP-030211	N4-030543	rejected	Clarification Of luUP Initialisation during codec modification	4.7.0	N4	OoBTC
23.153	061	-	Rel-5		NP-030211	N4-030544	rejected	Clarification Of luUP Initialisation during codec modification	5.4.0	N4	OoBTC
29.002	627	-	Rel-5	F	NP-030225	N4-030648	rejected	Transfer of IMEISV at handover	5.5.0	N4	LATE_UE
29.002	628	-	Rel-6	A	NP-030225	N4-030649	rejected	Transfer of IMEISV at handover	6.1.0	N4	LATE_UE
29.010	089	1	Rel-5	F	NP-030225	N4-030650	rejected	Handling of UE-specific behaviour data in the relay MSC	5.2.0	N4	LATE_UE
29.010	090	-	Rel-5	F	NP-030227	N4-030651	rejected	Handling of UE-specific behaviour data in the relay MSC	5.2.0	N4	LATE_UE
29.232	055	1	Rel-4	F	NP-030211	N4-030545	rejected	Independence of SDU and Application	4.7.0	N4	OoBTC
29.232	056	1	Rel-5	A	NP-030211	N4-030546	rejected	Independence of SDU and Application	5.5.0	N4	OoBTC
29.198-01	022	1	Rel-5	F	NP-030298	N5-030300	Approved	Removal of un-used references	5.1.1	N5	OSA2
29.198-01	023	-	Rel-5	F	NP-030239	N5-030275	Approved	Correction to Java Realisation Annex	5.1.1	N5	OSA2
29.198-02	033	-	Rel-4	F	NP-030236	N5-030201	Approved	Correction of SIP Address wildcard rules	4.5.0	N5	OSA1
29.198-02	034	-	Rel-5	A	NP-030236	N5-030202	Approved	Correction of SIP Address wildcard rules	5.2.0	N5	OSA1
29.198-02	035	-	Rel-5	F	NP-030240	N5-030293	Approved	Add the type TpURN to Common Data Types	5.2.0	N5	OSA2
29.198-03	078	-	Rel-4	F	NP-030237	N5-030193	Approved	Correction to TpEncryptionCapability to correct support for Triple-DES	4.7.0	N5	OSA1

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.198-03	079	-	Rel-5	A	NP-030237	N5-030194	Approved	Correction to TpEncryptionCapability to correct support for Triple-DES	5.2.0	N5	OSA1
29.198-03	080	-	Rel-4	F	NP-030237	N5-030280	Approved	Correction of the Framework Service Instance Lifecycle Manager Sequence Diagram	4.7.0	N5	OSA1
29.198-03	081	-	Rel-5	A	NP-030237	N5-030281	Approved	Correction of the Framework Service Instance Lifecycle Manager Sequence Diagram	5.2.0	N5	OSA1
29.198-03	082	-	Rel-4	F	NP-030237	N5-030282	Approved	Correction of the use of TpDomainID in Framework initiateAuthentication method	4.7.0	N5	OSA1
29.198-03	083	-	Rel-5	A	NP-030237	N5-030283	Approved	Correction of the use of TpDomainID in Framework initiateAuthentication method	5.2.0	N5	OSA1
29.198-03	084	-	Rel-5	F	NP-030241	N5-030296	Approved	Change reference to PAM Presence and Availability SCF to PAM Access SCF to reflect change in 29.198-14	5.2.0	N5	OSA2
29.198-04	065	-	Rel-4	F	NP-030238	N5-030250	Approved	Correction of the description for callEventNotify & reportNotification	4.6.0	N5	OSA1
29.198-04-1	005	-	Rel-5	F	NP-030242	N5-030195	Approved	Correction to Common Call Control Data	5.2.0	N5	OSA2
29.198-04-1	006	1	Rel-6	C	NP-030304	N5-021159	Approved	Add support for multi services	5.2.0	N5	OSA3
29.198-04-2	007	-	Rel-5	F	NP-030238	N5-030253	Approved	Correction of the description for callEventNotify & reportNotification	5.2.0	N5	OSA1
29.198-04-3	011	-	Rel-5	F	NP-030238	N5-030254	Approved	Correction of the description for callEventNotify & reportNotification	5.2.0	N5	OSA1
29.198-04-3	012	1	Rel-6	C	NP-030305	N5-021139	Approved	Unclear overlap criteria for rejection of createNotification	5.2.0	N5	OSA3
29.198-04-3	013	-	Rel-6	B	NP-030247	N5-030084	Approved	Add support for advanced subscriber presentation	5.2.0	N5	OSA3
29.198-04-4	005	-	Rel-5	F	NP-030238	N5-030255	Approved	Correction of the description for callEventNotify & reportNotification	5.2.0	N5	OSA1
29.198-04-4	006	-	Rel-5	F	NP-030243	N5-030196	Approved	Correction to TpAudioCapabilitiesType and TpVideoCapabilitiesType to correctly indicate the required capabilities	5.2.0	N5	OSA2
29.198-04-4	007	-	Rel-6	B	NP-030248	N5-021113	Approved	Adding QoS Reporting Functionality to MMCCS	5.2.0	N5	OSA3
29.198-04-4	008	1	Rel-6	C	NP-030306	N5-030056	Approved	Correction of the mechanism for Requesting Event Reports in MMCCS	5.2.0	N5	OSA3
29.198-05	034	-	Rel-4	F	NP-030238	N5-030251	Approved	Correction of the description for callEventNotify & reportNotification	4.6.0	N5	OSA1
29.198-05	035	-	Rel-5	A	NP-030238	N5-030256	Approved	Correction of the description for callEventNotify & reportNotification	5.2.0	N5	OSA1
29.198-05	036	-	Rel-5	F	NP-030244	N5-030180	Approved	Clarify IpUI sendInfoReq()	5.2.0	N5	OSA2
29.198-05	037	-	Rel-5	F	NP-030244	N5-030274	Approved	Update TpUIInfo for consistency with GMS capabilities	5.2.0	N5	OSA2
29.198-05	038	1	Rel-5	F	NP-030299	N5-030287	Approved	Specifying the origin of a GUI message	5.2.0	N5	OSA2

Spec	CR	R	Phase	Cat	Plen. doc	WG doc	TSG status	Subject	Old Ver	WG	Workitem
29.198-06	021	-	Rel-6	C	NP-030249	N5-021036	Approved	Add methods to prevent unnecessary strict requirements on application persistency for Mobility	5.2.0	N5	OSA3
29.198-06	022	-	Rel-6	B	NP-030249	N5-030278	Approved	Extension to User Status	5.2.0	N5	OSA3
29.198-08	024	-	Rel-4	F	NP-030238	N5-030252	Approved	Correction of the description for callEventNotify & reportNotification	4.6.0	N5	OSA1
29.198-08	025	-	Rel-5	A	NP-030238	N5-030257	Approved	Correction of the description for callEventNotify & reportNotification	5.2.0	N5	OSA1
29.198-13	003	-	Rel-6	B	NP-030250	N5-030289	Approved	New Policy Evaluation SCF introduced	5.1.0	N5	OSA3
29.198-14	004	-	Rel-5	F	NP-030245	N5-030259	Approved	Make TpPAMCapability extensible by changing its type to TpString	5.1.0	N5	OSA2
29.198-14	005	-	Rel-5	F	NP-030240	N5-030262	Approved	Change the type of TpPAMFQName to TpURN	5.1.0	N5	OSA2
29.198-14	006	-	Rel-5	F	NP-030245	N5-030263	Approved	Clarify use of askerData parameter to getAuthToken method in each PAM SCF	5.1.0	N5	OSA2
29.198-14	007	-	Rel-5	F	NP-030245	N5-030267	Approved	Add authToken parameter to computeAvailability method	5.1.0	N5	OSA2
29.198-14	008	-	Rel-5	F	NP-030245	N5-030268	Approved	Replace use of IpInterfaceRef in PAM with actual application interfaces	5.1.0	N5	OSA2
29.198-14	009	-	Rel-5	F	NP-030245	N5-030269	Approved	Add expiration time for PAM event registrations	5.1.0	N5	OSA2
29.198-14	010	-	Rel-5	F	NP-030245	N5-030270	Approved	Send subscription notification cancellation to watchers	5.1.0	N5	OSA2
29.198-14	011	-	Rel-5	F	NP-030241	N5-030290	Approved	Change PAM Presence and Availability SCF name to PAM Access	5.1.0	N5	OSA2
29.198-14	012	-	Rel-5	F	NP-030245	N5-030295	Approved	Move Access Control Mechanism to Manager Interface	5.1.0	N5	OSA2
29.198-01	021	-	Rel-4	F	NP-030235	N5-030299	Rejected	Removal of un-used references	4.3.2	N5	OSA1
29.198-01	022	-	Rel-5	F	NP-030239	N5-030300	revised	Removal of un-used references	5.1.1	N5	OSA2
29.198-04-1	006	-	Rel-6	F	NP-030246	N5-021159	revised	Add support for multi services	5.2.0	N5	OSA3
29.198-04-3	012	-	Rel-6	F	NP-030247	N5-021139	Rejected	Unclear overlap criteria for rejection of createNotification	5.2.0	N5	OSA3
29.198-04-4	008	-	Rel-6	F	NP-030248	N5-030056	revised	Correction of the mechanism for Requesting Event Reports in MMCCS	5.2.0	N5	OSA3
29.198-05	038	-	Rel-5	F	NP-030294	N5-030287	Rejected	Specifying the origin of a GUI message	5.2.0	N5	OSA2

Note:- Updated from master Spec_status dbase on 11th June 2003

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	Source	Rel	Spec	Status
NP-030155	2	AGENDA	DRAFT Agenda for CN#20 Meeting		CN Chair			APPROVED
NP-030156	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #20: beginning of day 1		CN vice-chairman			NOTED
NP-030157	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #20: end of day 2		CN vice-chairman			NOTED
NP-030158	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #20: end of day 3		CN vice-chairman			NOTED
NP-030159	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #20: end of day 4		CN vice-chairman			NOTED
NP-030160	4.1	REPORT	Draft Meeting Report from CN#19		MCC			APPROVED
NP-030161	12	WORK PLAN	Latest version of 3GPP Workplan		Sultan, MCC			NOTED
NP-030162	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)		Sultan, MCC			UPDATED
NP-030163	12	DISCUSSION DOC	Overview of Release-5		Sultan, MCC			NOTED
NP-030164	8.1	DISCUSSION DOC	Exception of Release 5 "deep freeze" for 3GPP usage of IETF SIP		NORTEL			NOTED
NP-030165	11	CR PACK	CRs to 41001 and 0101		JMM,MCC			NOTED
NP-030166	11	CR PACK	CRs to 41.002, 41.003, 0101, 21.001, 21.002, and 21.003		JMM,MCC			NOTED
NP-030167	11	DISCUSSION DOC	On Features and Releases		JMM,MCC			WITHDRAWN
NP-030168	11	LIST	status list before		JMM,MCC			NOTED
NP-030169	11	DISCUSSION DOC	friendly databases		JMM,MCC			NOTED
NP-030170	11	DISCUSSION DOC	specs not under change control		JMM,MCC			NOTED
NP-030171	11	DISCUSSION DOC	Renumbering of 21.102, 21.103, 41.102, 41.103		JMM,MCC			NOTED
NP-030172	5.1	LS IN	Response LS on Radio Access Bearer for PS conversational testing [N3-030452]		CN3			NOTED

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030173	8.5	CR PACK	End-to-end QoS: Go interface	E2EQoS	CN3	Rel-5		APPROVED
NP-030174	8.5	CR PACK	CRs to 29.207	E2EQoS	CN3	Rel-5		APPROVED
NP-030175	8.5	CR PACK	CR to 29.208	E2EQoS	CN3	Rel-5		APPROVED
NP-030176	5.1	LS IN	LS on User Data Management architecture requirements [N5-030286]		CN5			NOTED
NP-030177	5.2	LS IN	LS on Stage 3 work for Early UE handling [G2-030437]		GERAN2			NOTED
NP-030178	5.3	LS IN	Signalling Requirements for IP-QOS [fra107r1.doc]		ITU-T SG.11			NOTED
NP-030179	5.3	LS IN	LS on Error Handling in Pre-R99 Networks [GSMA LS to 3GPP CN]		GSMA			NOTED
NP-030180	5.2	LS IN	Reply LS on proposed deletion of security-related work items in TSG-CN [S3-030270]		SA3			NOTED
NP-030181	5.1	LS IN	LS on Protocols over the Mt interface [N1-030566]		CN1			NOTED
NP-030182	5.1	LS IN	LS on IPv6 DNS server discovery in release 99 and release 4 [N1-030548]		CN1			NOTED
NP-030183	6.2.1	REPORT	CN2 Status Report to CN Plenary	-	CN2 Chair	-		NOTED
NP-030184	6.2.1	REPORT	CN2#29 Draft Meeting report and CN2 AdHoc meeting report	-	CN2	-		NOTED
NP-030185	7.1	CR PACK	CRs to R99 WI CAMEL3	CAMEL3	CN2	R99		APPROVED
NP-030186	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CAMEL4	CN2	Rel-5		REJECTED
NP-030187	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CAMEL4	CN2	Rel-5		APPROVED
NP-030188	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CAMEL4	CN2	Rel-5		APPROVED
NP-030189	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CAMEL4	CN2	Rel-5		APPROVED
NP-030190	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CAMEL4	CN2	Rel-5		APPROVED
NP-030191	8.1	CR PACK	CRs to Rel-5 WI IMS-CAMEL	IMS-CAMEL	CN2	Rel-5		APPROVED
NP-030192	6.3.1	REPORT	CN3 Status Report to CN Plenary	-	CN3 Chair	-		NOTED

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030193	6.3.1	REPORT	Draft Meeting Report from CN3#28 Meeting (San Diego)	-	CN3	-		NOTED
NP-030194	6.3.1	REPORT	Draft Meeting Report from CN3#27b Meeting (Sophia)	-	CN3	-		NOTED
NP-030195	6.3.1	LS PACK	LSs outgoing from CN3 between CN#19 and CN#20	-	CN3	-		NOTED
NP-030196	9.13	TS	Latest version of TS 29.163 (for Info)		CN3	Rel-6		NOTED
NP-030197	9.12	TR	TR 29.962 (for approval)		CN3	Rel-6		REVISED TO 0293
NP-030198	9.19	WID	WID: Gq interface specification for Dynamic Policy control enhancements		CN3	Rel-6		APPROVED
NP-030199	7.3	CR PACK	Dynamic configuration of DNS server Ipv6 addresses	GPRS	CN3	< Rel4		APPROVED
NP-030200	7.11	CR PACK	RADIUS protocol at GGSN	TEI	CN3	< Rel4		APPROVED
NP-030201	7.11	CR PACK	Handling of Bearer Capability information elements	TEI	CN3	< Rel4		APPROVED
NP-030202	7.11	CR PACK	Removal of S reference point in MS	TEI	CN3	< Rel4		PART APPROVED
NP-030203	7.11	CR PACK	Removal of inconsistencies	TEI	CN3	< Rel4		APPROVED
NP-030204	8.7	CR PACK	Service Change and UDI fall back for CS multimedia	SCUDIF	CN3	Rel-5		REFERRED BACK TO CN3 FOR FURTHER STUDY
NP-030205	6.4.1	REPORT	Status report from CN4 to TSG-CN Plenary Meeting #19		CN4 Chair			NOTED
NP-030206	6.4.1	REPORT	CN4 meeting report after CN#19		CN4			NOTED
NP-030207	6.4.1	LS PACK	CN4 Output LSs after CN#19		CN4			NOTED
NP-030208	7.2	CR PACK	Corrections on Security	Security	CN4	Rel-4		APPROVED
NP-030209	7.3	CR PACK	Corrections on GPRS Release 99	GPRS	CN4	R99		APPROVED
NP-030210	7.4	CR PACK	Corrections on Location Service	LCS	CN4	Rel-4		APPROVED
NP-030211	7.7	CR PACK	Corrections on Transcoder Free Operation Release 4	OoBTC	CN4	Rel-4		PART APPROVED
NP-030212	7.8	CR PACK	Corrections on Bearer Independent architecture	CSSPLIT	CN4	Rel-4		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030213	7.11	CR PACK	Small corrections on technical enhancements and improvements for R97	TEI	CN4	R97		APPROVED
NP-030214	7.11	CR PACK	Small corrections on technical enhancements and improvements for R99	TEI	CN4	R99		APPROVED
NP-030215	8.1	CR PACK	Corrections on IP-based Multimedia Services Cx/Dx-interface	IMS-CCR	CN4			APPROVED
NP-030216	8.1	CR PACK	Corrections on IP-based Multimedia Services Sh-interface	IMS-CCR	CN4			APPROVED
NP-030217	8.3	CR PACK	Corrections on Camel Phase 4	Camel4	CN4			APPROVED
NP-030218	8.4	CR PACK	Corrections on Location Service Enhancements Release 5	LCS1	CN4			APPROVED
NP-030219	8.8	CR PACK	Small Technical Enhancements and Improvements for GTP specification Rel-5	GTP Enhancement	CN4			APPROVED
NP-030220	8.8	CR PACK	Small Technical Enhancements and Improvements for CSSPLIT specification Rel-5	CSSPLIT	CN4			APPROVED
NP-030221	8.8	CR PACK	Small Technical Enhancements and Improvements for MNP specification Rel-5	MNP	CN4			APPROVED
NP-030222	8.8	CR PACK	Small Technical Enhancements and Improvements for OoBTC specification Rel-5	OoBTC	CN4			APPROVED
NP-030223	8.9	CR PACK	Corrections on Early UE	Late_UE	CN4			APPROVED
NP-030224	8.9	CR PACK	Corrections on Early UE;GERAN: no UESBI and Bitmap	Late_UE	CN4			CONDITIONALLY APPROVED
NP-030225	8.9	CR PACK	Corrections on Early UE;GERAN: no UESBI and IMEISV	Late_UE	CN4			REJECTED
NP-030226	8.9	CR PACK	Corrections on Early UE;GERAN: UESBI and Bitmap	Late_UE	CN4			CONDITIONALLY APPROVED
NP-030227	8.9	CR PACK	Corrections on Early UE;GERAN: UESBI and IMEISV	Late_UE	CN4			REJECTED
NP-030228	8.8	CR PACK	Small Technical Enhancements on Rel-5	TEI5	CN4			APPROVED
NP-030229	9.1	WID	Enhancements to the CX and Sh interfaces	IMS2-CCR	CN4	Rel-6		APPROVED
NP-030230	9.18	CR PACK	Small Technical Enhancements and Improvements for GTP specification Rel-6	TEI6	CN4			APPROVED
NP-030231	9.19	CR PACK	Corrections on Location Service Enhancements Release 6	LCS2	CN4			APPROVED
NP-030232	6.5.1	REPORT	Chair's report from CN5 (slide presentation)		CN5 Chair			REVISED TO 0251

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030233	6.5.1	LS PACK	LSs outgoing from CN5 between CN#19 and CN#20		CN5			NOTED
NP-030234	6.5.1	REPORT	Draft Report of CN5#23, San Diego, USA, 19-23 May 2003 (N5-030107)		CN5 Chair			NOTED
NP-030235	7.10	CR	Rel-4 CR 29.198-01 OSA API Part 1: Overview	OSA1	CN5	Rel4	29.198-01	REJECTED
NP-030236	7.10	CR	Rel-4 CR 29.198-02 OSA API Part 2: Common data	OSA1	CN5	Rel4	29.198-02	APPROVED
NP-030237	7.10	CR	Rel-4 CR 29.198-03 OSA API Part 3: Framework	OSA1	CN5	Rel4	29.198-03	APPROVED
NP-030238	7.10	CR	Rel-4 CR 29.198-04/5/8 OSA API Part 4/5/8: Call control / Generic user interaction / Data session control	OSA1	CN5			APPROVED
NP-030239	8.2	CR	Rel-5 CR 29.198-01 OSA API Part 1: Overview	OSA2	CN5	Rel5	29.198-01	Part Approved
NP-030240	8.2	CR	Rel-5 CR 29.198-14/02 OSA API Part 14/2: Presence and Availability Management (PAM) / Common data	OSA2	CN5	Rel5		APPROVED
NP-030241	8.2	CR	Rel-5 CR 29.198-14/03 OSA API Part 14/3: Presence and Availability Management (PAM) / Framework	OSA2	CN5	Rel5		APPROVED
NP-030242	8.2	CR	Rel-5 CR 29.198-04-1 OSA API Part 4: Call control; Sub-part 1: Call Control Common Definitions	OSA2	CN5	Rel5	29.198-04-1	APPROVED
NP-030243	8.2	CR	Rel-5 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF	OSA2	CN5	Rel5	29.198-04-4	APPROVED
NP-030244	8.2	CR	Rel-5 CR 29.198-05 OSA API Part 5: Generic user interaction	OSA2	CN5	Rel5	29.198-05	APPROVED
NP-030245	8.2	CR	Rel-5 CR 29.198-14 OSA API Part 14: Presence and Availability Management (PAM)	OSA2	CN5	Rel5	29.198-14	APPROVED
NP-030246	9.7	CR	Rel-6 CR 29.198-04-1 OSA API Part 4: Call control; Sub-part 1: Call Control Common Definitions	OSA3	CN5	Rel6	29.198-04-1	REVISED TO 0304
NP-030247	9.7	CR	Rel-6 CR 29.198-04-3 OSA API Part 4: Call control; Sub-part 3: Multi-Party Call Control SCF	OSA3	CN5	Rel6	29.198-04-3	Part APPROVED
NP-030248	9.7	CR	Rel-6 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF	OSA3	CN5	Rel6	29.198-04-4	Part APPROVED
NP-030249	9.7	CR	Rel-6 CR 29.198-06 OSA API Part 6: Mobility	OSA3	CN5	Rel6	29.198-06	APPROVED
NP-030250	9.7	CR	Rel-6 CR 29.198-13 OSA API Part 13: Policy management SCF	OSA3	CN5	Rel6	29.198-13	APPROVED
NP-030251	6.5.1	REPORT	Chair's report from CN5 (slide presentation)		CN5 Chair			NOTED
NP-030252	5.1	LS IN	LS on The Introduction of Anonymous Subscribers and the Lid interface [N4-030607]		CN4			NOTED

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030253	8.6	CR	SAs lifetimes in P-CSCF	IMS-CCR	Ericsson	Rel5	24.229	WITHDRAWN
NP-030254	8.6	CR	Setting the SA lifetime at UE upon registration	IMS-CCR	Ericsson	Rel5	24.229	WITHDRAWN
NP-030255	8.6	CR	SA lifetime upon network initiated de-registration	IMS-CCR	Ericsson	Rel5	24.229	WITHDRAWN
NP-030256	8.6	CR	Re-authentication procedure.	IMS-CCR	Ericsson	Rel5	24.229	WITHDRAWN
NP-030257	4.3	REPORT	IETF Status Report		CN Chair			NOTED
NP-030258	6.6	REPORT	ITU-T status report		CN Chair			NOTED
NP-030259	8.6	DISCUSSION DOC	Alignment between CN1 and SA3 on the handling of Security Association	IMS-CCR	Ericsson			REVISED TO 0291
NP-030260	7.11	CR PACK	BC-IE alignment	TEI	CN3	< Rel4		APPROVED
NP-030261	8.3	CR	Correction to interaction between ORLCF and forwarding notification	CAMEL4	Ericsson	Rel5	23.079	REFERRED BACK TO CN2 and CN4 FOR FURTHER STUDY
NP-030262	6.1.1	REPORT	Status Report for TSG CN WG1		CN1 Chair			NOTED
NP-030263	6.1.1	REPORT	CN1#29 Meeting Report		MCC			NOTED
NP-030264	6.1.1	REPORT	CN1#30 Meeting Report		MCC			NOTED
NP-030265	6.1.1	LS PACK	All LSs sent from CN1 since TSG CN#19 Meeting,- pack 1		MCC			NOTED
NP-030266	6.1.1	LS PACK	All LSs sent from CN1 since TSG CN#19 Meeting,- pack 2		MCC			NOTED
NP-030267	7.2	CR PACK	CR to R99 (with mirror CRs) on Work Item Security towards 24.008	Security	CN1	R99		APPROVED
NP-030268	7.6	CR PACK	CR to R99 (with mirror CRs) on Work Item GSM/UMTS interworking towards 23.009	GSM/UMTS interworking	CN1	R99		APPROVED
NP-030269	7.11	CR PACK	CRs to R99 (with mirror CRs) on Work Item TEI towards 24.008,- pack 1	TEI	CN1	R99		APPROVED
NP-030270	7.11	CR PACK	CRs to R99 (with mirror CRs) on Work Item TEI towards 24.008,- pack 2	TEI	CN1	R99		APPROVED
NP-030271	7.11	CR PACK	CR to Rel-4 (with mirror CRs) on Work Item TEI4 towards 24.008	TEI4	CN1	Rel-4		APPROVED
NP-030272	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 23.218	IMS-CCR	CN1	Rel-5		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030273	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.008	IMS-CCR	CN1	Rel-5		APPROVED
NP-030274	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.228	IMS-CCR	CN1	Rel-5		APPROVED
NP-030275	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 1	IMS-CCR	CN1	Rel-5		PART APPROVED
NP-030276	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 2	IMS-CCR	CN1	Rel-5		APPROVED
NP-030277	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 3	IMS-CCR	CN1	Rel-5		APPROVED
NP-030278	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 4	IMS-CCR	CN1	Rel-5		APPROVED
NP-030279	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 5	IMS-CCR	CN1	Rel-5		PART APPROVED
NP-030280	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 6	IMS-CCR	CN1	Rel-5		APPROVED
NP-030281	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.229,- pack 7	IMS-CCR	CN1	Rel-5		APPROVED
NP-030282	8.8	CR PACK	CRs to Rel-5 on Work Item TEI5 towards 24.008 and 24.011	TEI5	CN1	Rel-5		APPROVED
NP-030283	8.9	CR PACK	CRs to Rel-5 on Work Item LATE_UE towards 23.009 and 29.018	IMS-CCR	CN1	Rel-5		APPROVED
NP-030284	9.18	CR PACK	CRs to Rel-6 on Work Item TEI6 towards 24.008 and 44.065	TEI6	CN1	Rel-6		APPROVED
NP-030285	9.2	WID	Support of the Presence Service in Core Network Signalling Protocols	PRESNC	CN1	Rel-6		REVISED TO 0302
NP-030286	9.1	WID	IMS Stage-3 Enhancements	IMS-CCR-E	CN1	Rel-6		APPROVED
NP-030287	9.4	WID	Emergency Call Enhancements for IP& PS Based Calls - stage 3	EMC1-PS	CN1	Rel-6		APPROVED
NP-030288	9.8	WID	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	MBMS	CN1	Rel-6		APPROVED
NP-030289	9.2	TR	Presence service based on Session Initiation Protocol (SIP);Functional models, information flows and protocol details	PRESNC	CN1	Rel-6		REVISED TO 0303
NP-030290	10.1	REPORT	3GPP-OMA overlap		TSG-T vice chair Kevin Holley			NOTED
NP-030291	8.6	DISCUSSION DOC	Alignment between CN1 and SA3 on the handling of Security Association	IMS-CCR	Ericsson			NOTED
NP-030292	9.13	WID	Updated WID on Interworking of IMS - CS	IMS-CS	CN3	Rel-6		APPROVED

Tdoc	Agenda	Type	Tdoc Title	WI	Source	Rel	Spec	Status
NP-030293	9.12	TR	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage		CN3	Rel-6	29.962	APPROVED
NP-030294	8.2	CR	Rel-5 CR 29.198-05 OSA API Part 5: Generic user interaction	OSA	CN5	Rel-5	29.198-05	REVISED TO 0299
NP-030295	8.6	LS OUT	LS to SA3 on Security Association		CN			REVISED TO 0308
NP-030296	8.6	CR PACK	Previous versions of CRs on the SA lifetime issue		CN1			REVISED TO 0307
NP-030297	10.5	CALENDAR	Meeting schedule for 2003 / 2004		MCC			NOTED
NP-030298	8.2	CR	Rel-5 CR 29.198-01 OSA API Part 1: Overview	OSA2	CN5	Rel5	29.198-01	APPROVED
NP-030299	8.2	CR	Rel-5 CR 29.198-05 OSA API Part 5: Generic user interaction	OSA	CN5	Rel-5	29.198-05	APPROVED
NP-030300	8.8	LS OUT	Draft LS on MNP to CN4		CN			REVISED TO 0301
NP-030301	8.8	LS OUT	LS on MNP		CN			APPROVED
NP-030302	9.2	WID	Support of the Presence Service in Core Network Signalling Protocols	PRESNC	CN1	Rel-6		APPROVED
NP-030303	9.2	TR	Presence service based on Session Initiation Protocol (SIP);Functional models, information flows and protocol details	PRESNC	CN1	Rel-6		NOTED
NP-030304	9.7	CR	Rel-6 CR 29.198-04-1 OSA API Part 4: Call control; Sub-part 1: Call Control Common Definitions	OSA3	CN5	Rel6	29.198-04-1	APPROVED
NP-030305	9.7	CR	Rel-6 CR 29.198-04-3 OSA API Part 4: Call control; Sub-part 3: Multi-Party Call Control SCF	OSA3	CN5	Rel6	29.198-04-3	APPROVED
NP-030306	9.7	CR	Rel-6 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF	OSA3	CN5	Rel6	29.198-04-4	APPROVED
NP-030307	8.6	CR PACK	Previous versions of CRs on the SA lifetime issue		CN1			WITHDRAWN
NP-030308	8.6	LS OUT	LS on Security Association Lifetime Management		CN			APPROVED
NP-030309	7.7	LS OUT	LS on future codecs with same SDU format as existing codecs		CN			REVISED TO 0310
NP-030310	7.7	LS OUT	LS on future codecs with same SDU format as existing codecs		CN			APPROVED

ANNEX C. TSG CN meeting Participants List

3GPP TSG CN#20 - Participants list

ARIB						
Mr.	Farhoumand	Rouzbeh		Nippon Ericsson K.K.	3GPPMEMBER	ARIB
Mr.	Tamura	Toshiyuki		NEC Corporation	3GPPMEMBER	ARIB
CWTS						
Miss	Wang	Jie		HuaWei Technologies Co., Ltd	3GPPMEMBER	CWTS
ETSI						
Ms.	Abarca	Chelo		ALCATEL S.A.	3GPPMEMBER	ETSI
Mr.	Andersen	Niels Peter Skov		MOTOROLA A/S	3GPPMEMBER	ETSI
Mrs.	Aveline	Sophie		ORANGE FRANCE	3GPPMEMBER	ETSI
Mr.	Barnes	Nigel		MOTOROLA Ltd	3GPPMEMBER	ETSI
Mr.	Berry	Nigel. H		Lucent Technologies N. S. UK	3GPPMEMBER	ETSI
Mrs.	Bignon	Marianne		ALCATEL S.A.	3GPPMEMBER	ETSI
Mr.	Boswarthick	David	SECRETARY	ETSI Secretariat	3GPPORG_REP	ETSI
Mr.	Brook	Richard		SAMSUNG Electronics	3GPPMEMBER	ETSI
Mr.	Castagnet	Stephan		NEC Technologies (UK) LTD	3GPPMEMBER	ETSI
Mr.	Doig	Ian		MOTOROLA S.A.S	3GPPMEMBER	ETSI
Mr.	Fioretto	Giorgio		TELECOM ITALIA S.p.A.	3GPPMEMBER	ETSI
Mr.	Gullett	Mark		HEWLETT-PACKARD France	3GPPMEMBER	ETSI
Mr.	Hiebinger	Ludwig		SIEMENS AG	3GPPMEMBER	ETSI
Mr.	Hietalahti	Hannu	WG_Chairman	NOKIA Corporation	3GPPMEMBER	ETSI
Mr.	Hobbis	Kevan		3	3GPPMEMBER	ETSI
Mr.	Holm	Thomas		TDC TELE DANMARK A/S	3GPPMEMBER	ETSI
Mr.	Howell	Andrew		MOTOROLA GmbH	3GPPMEMBER	ETSI
Mrs.	Hughes	Karen	Support Assistant	ETSI Secretariat	3GPPMEMBER	ETSI
Mr.	Jorgensen	Per Johan		ETSI Secretariat	3GPPORG_REP	ETSI
Mrs.	Juriscic	Andrijana		ETSI Secretariat	3GPPORG_REP	ETSI
Mr.	Kanerva	Mikko		NOKIA Corporation	3GPPMEMBER	ETSI
Mr.	Kilkanen	Tero		Elisa Communications Corp.	3GPPMEMBER	ETSI
Mr.	Klehn	Norbert	WG_Chairman	SIEMENS AG	3GPPMEMBER	ETSI
Mr.	Kulju	Ari		Elisa Communications Corp.	3GPPMEMBER	ETSI
Mr.	Kymalainen	Kimmo		ETSI Secretariat	3GPPORG_REP	ETSI
Mr.	Laukkanen	Jussi		TeliaSonera AB	3GPPMEMBER	ETSI
Mr.	Lavasani	Shahab		TeliaSonera AB	3GPPMEMBER	ETSI
Mr.	Mäkeläinen	Klaus		TeliaSonera AB	3GPPMEMBER	ETSI
Mr.	Mayer	Georg		NOKIA Corporation	3GPPMEMBER	ETSI
Mr.	Mecrow	Steve		mmO2 plc	3GPPMEMBER	ETSI
Mr.	Palviainen	Keijo		NOKIA Corporation	3GPPMEMBER	ETSI
Mr.	Park	Ian David Chalmers	ViceChairman	VODAFONE LTD	3GPPMEMBER	ETSI
Mr.	Rainer	Johannes		ÖFEG	3GPPMEMBER	ETSI
Mr.	Richards	Derek John		Megisto Systems Inc.	3GPPMEMBER	ETSI
Mr.	Schmitt	Peter		SIEMENS AG	3GPPMEMBER	ETSI
Mr.	Sharp	Iain		NORTEL NETWORKS (EUROPE)	3GPPMEMBER	ETSI
Mr.	SOORMALLY	Sajid		ALCATEL S.A.	3GPPMEMBER	ETSI

Mr.	Toth	Stefan		ERICSSON L.M.	3GPPMEMBER	ETSI
Mr.	Ubeda	Jose Antonio		TELEFONICA de España S.A.	3GPPMEMBER	ETSI
Mr.	Ushirokawa	Akihisa		NEC Electronics (Europe) GmbH	3GPPMEMBER	ETSI
Mr.	van der Veen	Hans		NEC EUROPE LTD	3GPPMEMBER	ETSI
Mr.	Wild	Peter		Vodafone D2 GmbH	3GPPMEMBER	ETSI
Mr.	Ylhäisi	Teemu		Elisa Communications Corp.	3GPPMEMBER	ETSI
Dr.	Yu	Yanbin		UTStarcom	3GPPMEMBER	ETSI
Mr.	Zoicas	Adrian		ETSI Secretariat	3GPPORG_REP	ETSI
T1						
Mr.	Babut	George		Rogers Wireless Inc.	3GPPMEMBER	T1
Mr.	Hayes	Stephen	Chairman	Ericsson Inc.	3GPPMEMBER	T1
Mr.	Jones	Gary		T-Mobile USA Inc.	3GPPMEMBER	T1
Miss	Marchetto	Luisa		AT&T Wireless Services, Inc.	3GPPMEMBER	T1
TTA						
Ms.	Kallio	Susanna		Nokia Korea	3GPPMEMBER	TTA
TTC						
Mr.	Ellsberger	Jan		Nippon Ericsson K.K.	3GPPMEMBER	TTC
Mr.	Hori	Kazumasa		NTT DoCoMo Inc.	3GPPMEMBER	TTC
Mr.	Kitajima	Yasuhiro		NTT DoCoMo Inc.	3GPPMEMBER	TTC
Mr.	Koshimizu	Takashi		NTT DoCoMo Inc.	3GPPMEMBER	TTC
Mr.	Taya	Kunihiko	ViceChairman	NEC Corporation	3GPPMEMBER	TTC
Mr.	Yoshino	Keiji		TTC	3GPPORG_REP	TTC

Total : 59 Participants

History

Document History	
up to 6 th June 2003	DRAFT v0.0.1, 002, 003 distributed in meeting. v0.0.3 send to TSG CN Officials for comments
9 th June 2003	DRAFT v1.0.0 Presented to TSG-SA#20 (SP-030317)
11 th June 2003	<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: david.boswarthick@ETSI.fr</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 30th June 2003</p>
<i>September 2003</i>	<i>Final v2.0.0 approved at TSG#21 Meeting– Made version 3.0.0 and placed to server as the official meeting report.</i>