



Third Generation Partnership Project

Meeting Report v3.0.0
for
3GPP TSG CN WG 3
Meeting #30

Bangkok, Thailand
27th - 31st October, 2003.



Hosted by
Japanese Friends

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1. Opening of the Meeting

The 30th CN3 meeting took place from 27th - 31st October 2003, in Bangkok Thailand.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday. Kawanami-San welcomed the CN3 delegates on behalf of the hosts.

2 Approval of the agenda

N3-030678: CN3#30 Draft Meeting Agenda, source CN3 Chairman.

CONTENT: Contains the draft agenda for CN3#30 Meeting.

DISCUSSION: Norbert introduced the agenda and outlined the schedule of the meeting for the rest of the week.

RESULT: The Agenda was **APPROVED**.

3 Registration of documents

N3-030668: Allocation of documents to Agenda items (at tdoc deadline), source CN3 Chairman.

CONTENT: Shows the allocation of meeting documents to agenda items at tdoc deadline.

RESULT: The allocation of documents was **NOTED**.

N3-030669: Allocation of documents to Agenda items for (Start Day 1).

RESULT: The allocation of documents was **NOTED**.

N3-030670: Allocation of documents to Agenda items for (end Day 1).

RESULT: The allocation of documents was **NOTED**.

N3-030671: Allocation of documents to Agenda items (end Day 3).

RESULT: The allocation of documents was **NOTED**.

N3-030672: Allocation of documents to Agenda items (End of Day 4).

RESULT: The allocation of documents was **NOTED**.

N3-030673: Allocation of documents to Agenda items (End of Day 5).

RESULT: The allocation of documents was **NOTED**.

4 Reports

4.1 Report of last CN3 Meeting

N3-030674: CN3#29 Draft Meeting Report, source MCC.

CONTENT: Contains the draft meeting report for the CN3#29 (Sophia).

The report was completed and distributed at the end of the meeting. There was the usual 2-week deadline for comments by e-mail. These comments have been integrated in the revised meeting report presented in this document.

RESULT: The document was **APPROVED**.

4.2 Reports from last CN

N3-030677: CN#21 Draft Meeting Report, source MCC.

RESULT: The document was **NOTED**.

N3-030666: Brief notice from CN#21 relevant for CN3, source CN3 Chairman.

CONTENT: Contains the email from CN3 chair to CN3 email exploder containing hi-lights of CN#21.

RESULT: The document was **NOTED**.

N3-030667: Email on Highlights of CN#21/SA#21, source CN Chairman.

CONTENT: Contains the email from CN chair to CN email exploder containing hi-lights of TSG#21.

RESULT: The document was **NOTED**.

4.3 Reports of other groups

No documents for this agenda item

5 IPR disclosures

Reminder for IPR declaration

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

The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective Organizational Partners of Essential IPRs they become aware of.**

The members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
- to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/lpr/>).

6 Items for immediate consideration

(For contributions to this agenda item, please contact chairman in advance of meeting)

No documents for this agenda item

7 Received Liaison Statements

N3-030679 **LS on principles for overlapping issues with OMA regarding PoC, SA.**

CONTENT: Contains some questions and concerns on the PoC issue.

RESULT: The document was **NOTED**.

N3-030765 **Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC, OMA Req WG.**

CONTENT: Contains a response to the SA LS from OMA on the subject of PoC.

RESULT: The document was **NOTED**.

N3-030681 **LS on sending the SGSNs MNC and MCC to the GGSN and service node, CN4**

CONTENT: CN4 present two proposals to SA5 for the requirements of the inclusion of the RAI (to carry MNC and MCC of the SGSN) in GTP.

RESULT: The document was **NOTED**.

N3-030680 **LS reply on sending the SGSN's MNC and MCC to the GGSN, SA5**

CONTENT: Contains the Response to N3-030681 from SA5. SA5 will be happy to accept option 2 as proposed in CN4's LS N4-031013:

2. *SA2 change the text within the stage 2 document (23.060) to describe the conditions under which the RAI is included in Create PDP Context Request and Update PDP Context Request.*

SA2 must consider this and implement changes in the stage 2.

DISCUSSION: CN3 will await the related changes in SA2.

RESULT: The document was **NOTED**.

N3-030682 **Reply LS on IMS Session Hold and Resume stage 2 and 3 descriptions, CN1**

CONTENT: CN1 offers guidance in how to interpret SIP and SDP for HOLD and RESUME.

In SIP, putting a media stream on hold is indicated in an SDP offer rather than a SIP message itself. SDP offers can be carried in any appropriate SIP message, including INVITE, UPDATE, 1xx and 2xx responses.

For the SDP attributes; RFC 3264 indicates clearly in section 8.4 that putting media streams on hold is indicated by setting the media stream to sendonly (providing that the stream was previously set to sendrecv). If the media was previously set to recvonly mode, then it is set on hold by setting it to inactive mode. Note also that the port in the m-line should not be set to zero in order to prevent the PDP contexts for media from being deactivated.

To express HOLD and RESUME in interworking between IMS and CS networks, UPDATE is an appropriate message, but re-INVITE is also a valid option.

DISCUSSION: Siemens has some concerns with this LS and has provided a related discussion document in 0764. A response LS OUT from CN3 is provided in 0775.

RESULT: The document was **NOTED**.

8 Release 4 and earlier

NOTE: *Release 4 (and earlier) has been Functionally Frozen.*

Only CAT F (essential correction) and CAT A (corresponds to a correction in an earlier release) CRs are allowed for this Release. The subcategories for CAT F CRs should be considered when agreeing essential CRs.

8.1 GPRS

N3-030703 CR 29.061-R99: Updated reference for DHCPv6, Ericsson

CONTENT: Reference to “draft-ietf-dhc-dhcpv6-28.txt” is replaced by RFC 3315. Some related, temporary text is removed. The Client Message Option and the Server Message Option are replaced by the Relay Message Option.

DISCUSSION: Some concerns with the format used for the referencing of the RFC [drafting rules].

RESULT: The document was **REVISED to 0767**.

β REVISED β

N3-030767 CR 29.061-R99: Updated reference for DHCPv6, Ericsson

DISCUSSION: MCC will ensure all referencing is aligned in TS 29.061 [drafting rules].

RESULT: The document was **AGREED**.

N3-030704 CR 29.061-Rel-4: Updated reference for DHCPv6, Ericsson

CONTENT: Mirror CR.

DISCUSSION: Some concerns with referencing of the RFC.

RESULT: The document was **REVISED to 0768**.

β REVISED β

N3-030768 CR 29.061-Rel-4: Updated reference for DHCPv6, Ericsson

DISCUSSION: MCC will ensure all referencing is aligned in 29.061.

RESULT: The document was **AGREED**.

N3-030705 CR 29.061-Rel-5: Updated reference for DHCPv6, Ericsson

CONTENT: Mirror CR.

DISCUSSION: Some concerns with referencing of the RFC.

RESULT: The document was **REVISED to 0769**.

β REVISED β

N3-030769 CR 29.061-Rel-5: Updated reference for DHCPv6, Ericsson

DISCUSSION: MCC will ensure all referencing is aligned in 29.061.

RESULT: The document was **AGREED**.

N3-030752 IMEISV passed on the RADIUS interface, Vodafone

CONTENT: This discussion document proposes that the IMEISV be passed to the AAA server over the Gi interface as a RADIUS sub attribute of the Access Request message and the Accounting-Interim (start) message when a primary/secondary PDP Context is activated or a PDP Context modification is performed.

DISCUSSION: This work is intended for Rel-6. CN3 note this document and will follow the progress of the issue in CN4 since the transport of the IMEISV by the GTP has first to be specified.

RESULT: The document was **NOTED**.

N3-030753 TFT passed on the RADIUS interface, Vodafone

CONTENT: This discussion document proposes to pass the TFT to the AAA server as a RADIUS 3GPP sub attribute of the Accounting-Request Start and Accounting-Request Interim-Update message when a Secondary PDP Context or an MS Context Modification procedure is initiated.

DISCUSSION: Nortel commented that streaming is a higher class than browsing and probably the user will be paying for it, no need to control the use of it
This work is intended for Rel-6 only.

RESULT: The document was **NOTED**.

8.2 Circuit switched Bearer Services [GPRS]

N3-030695 Inter-network accounting for BS30 based services such as video telephony, T-Mobile

DISCUSSION: It is not necessary to transport the signalling required for this to the fixed network, or can we take this information only to the gateway MSC.

This can be seen as a rapid fix solution to ensure services that are on the point of being launched are correctly supported. A long term solution would go beyond the gateway MSC into to fixed network.

Ericsson agree with the requirement, but prefer to work on the long term solution.

It is SA that will decide on which release this change is applicable.

Relates to both BS30 and BS20.

A change in bearer on the radio resource may have impact on the charging rate in the fixed network. It is possible that this information needs to be signalled to the fixed network.

CN3 could list the basic cases, and define which of them may be resolved in 3GPP (a short term solution), and which would involve the ITU-T, (long term solution), There may be different solutions for different services. Some solutions are discussed in 0697, and 0713.

Vodafone fully support the short term (T-Mobile) solution.

CN3 opinion is that the T-Mobile solution should be agreed. Ericsson objected to this.

CN3 will send an LS to CN plenary presenting both solutions (short and long term), stating that there was support for both solutions but concerns were raised about the amount of time required to realise the long term solution. CN3 will not suggest to which Release this solution applies. This decision remains with TSG_SA. The LS is contained in 0806.

RESULT: The document was **NOTED**.

N3-030806 LS OUT on Inter-network accounting for BS30 based services such as video telephony, CN3

CONTENT: Contains the request from CN3 to CN and SA plenaries for a decision on the solution to be chosen for inter-network accounting for BS30 based services.

DISCUSSION: Removal of the term 'strong'

Clarify the wording to include the background, and the strengthen / clarify the question to TSG_CN, and SA.

Some editorials, change references, meeting dates, contact person.

RESULT: The document was **REVISED to 0819**.

β REVISED β

- N3-030819** **LS OUT on Inter-network accounting for BS30 based services such as video telephony, CN3**
- DISCUSSION:** Minor changes to the wording to improve the clarity. Incorrect meetings (should be #21) and latest tdoc numbers of attachments.
- RESULT:** The document was **REVISED to 0822.**
- β REVISED β**
- N3-030822** **LS OUT on Inter-network accounting for BS30 based services such as video telephony, CN3**
- DISCUSSION:** Minor changes to the wording to improve relating to ITU-T.
- RESULT:** The document was **REVISED to 0828.**
- β REVISED β**
- N3-030828** **LS OUT on Inter-network accounting for BS30 based services such as video telephony, CN3**
- RESULT:** The document was **APPROVED.**
- N3-030697** **Backwards signalling of service information between VMSC and GMSC for mobile terminated calls, Siemens AG**
- CONTENT:** The document proposes that the Access Transport (AT) parameter in the ISUP Answer Message (ANM) should be preferred to carry the needed information between VMSC and GMSC.
- DISCUSSION:** It is possible that the AT information is discarded during transport if the message size is exceeded (bit this is very unlikely, this message may also be segmented). Also the AT needs to be transported transparently.
- RESULT:** The document was **NOTED.**
- N3-030713** **Discussion paper on Internetwork accounting for BS 30 services, Ericsson**
- CONTENT:** This document discusses the background proposes solutions for internetwork accounting for BS 30 services. Proposes that contributions are produced between CN3 #30 and CN3 #31 with the objective to be submitted by one of the 3GPP members to the SG 11 meeting starting at 1 of March 2004.
- DISCUSSION:** Ericsson prefers to develop a long term solution that deals with all cases. Cannot support a partial solution. T-Mobile and Lucent supported examining both long and short term solutions.
- Nokia provided a description of the different cases and whether that require actions in 3GPP and/or ITU-T.
- RESULT:** The document was **NOTED.**
- N3-030696** **CR 29.007: Backward signalling of service information between VMSC and GMSC for MTC, T-Mobile, Siemens**
- DISCUSSION:** Remove references to internetwork transport of data and direct connected transport of data from the Coverpage.
- RESULT:** The document was **REVISED to 0807.**
- β REVISED β**
- N3-030807** **CR 29.007: Backward signalling of service information between VMSC and GMSC for MTC, T-Mobile, Siemens**
- DISCUSSION:** After drafting in an offline session - the CR was revised.
- RESULT:** The document was **REVISED to 0818.**

β REVISED β

N3-030818 CR 29.007: Backward signalling of service information between VMSC and GMSC for MTC, T-Mobile, Siemens

DISCUSSION: Text that should have been deleted remained, needs to be removed once more.

RESULT: The document was **REVISED to 0820**.

β REVISED β

N3-030820 CR 29.007: Backward signalling of service information between VMSC and GMSC for MTC, T-Mobile, Siemens

DISCUSSION: Corrections to rev and tdoc numbers.

β REVISED β

N3-030821 CR 29.007: Backward signalling of service information between VMSC and GMSC for MTC, T-Mobile, Siemens

DISCUSSION: Ericsson sustained their objections. However the CR was agreed to be presented to Plenary as part of the LS.

RESULT: The document was **AGREED**.

N3-030707 CR 27.001-R99: Missing values in the tree diagrams, Ericsson

CONTENT: CR adds missing values to tree diagrams.

DISCUSSION: Brief examination of Rel-4 and Rel-5 shows the changes to those versions are not required.

Need to update the title and the reason for change on the coverpage

RESULT: The document was **REVISED to 0799**.

β REVISED β

N3-030799 CR 27.001-R99: Missing values in the tree diagrams, Ericsson

RESULT: The document was **AGREED**.

8.3 Bearer Independent Circuit switched Core network [CS Data]

N3-030754 CR 29.007-Rel4: Correction termination Properties of Transparent CSD MGW, Huawei

DISCUSSION: There is a function in 29.232 to activate the interworking function, why not use that instead? The originator of the CR asked for time to check this.

Should not be PLMN, but rather UDI. Siemens and Ericsson do not see the need for this change, and were not convinced if it is the correct solution.

RESULT: The document was **POSTPONED to CN3#31**.

N3-030756 CR 29.007-Rel5: Correction termination Properties of Transparent CSD MGW, Huawei

RESULT: The document was **POSTPONED to CN3#31**.

N3-030755 CR 29.007-Rel4: Indicating the A/u law to MGW, Huawei

RESULT: The document was **WITHDRAWN**.

N3-030757 CR 29.007-Rel5: Indicating the A/u law to MGW, Huawei

RESULT: The document was **WITHDRAWN**.

8.4 Technical Enhancements & Improvements [TEI]

No input

9 Release 5

NOTE: *Release 5 has been Functionally Frozen.*

Only CAT F (essential correction) and CAT A (corresponds to a correction in an earlier release) CRs are allowed for this Release. The subcategories for CAT F CRs should be considered when agreeing essential CRs.

9.1 e2e QoS for IM Subsystem [e2EQoS]

9.1.1 General

No input

9.1.2 29.207

N3-030716 **CR 29.207: Clarification on the identification of the source address and the destination address for the gate function, Orange**

CONTENT: This contribution clarifies that the UE IP address for incoming packets is provided in the connection information parameter and that the UE IP address for outgoing packets shares the same IPv6 prefix than the UE IP address for incoming packets.

DISCUSSION: Nokia and Siemens had concerns with the change, also the Orange CR can be covered in another contribution 0770

RESULT: The document was **WITHDRAWN**.

N3-030759 **CR 29.207: Source addresses in packet classifiers, Nokia**

CONTENT: The use of SDP parameters for defining packet classifiers has been clarified. Redundant text has been removed.

DISCUSSION: Orange suggested not having source / destination address in the packet classifiers, the text was examined and modified off line.

RESULT: The document was **REVISED to 0770**.

β **REVISED** β

N3-030770 **CR 29.207: Source addresses in packet classifiers, Nokia**

RESULT: The document was **AGREED**.

N3-030760 **CR 29.207: Media authorization with forking, Nokia**

RESULT: The document was **WITHDRAWN**.

9.1.3 29.208

N3-030717 **CR 29.208: Removal of media component vs putting media on hold, Orange**

CONTENT: Proposes to introduce the option for the operator either to close the gate or to delete the PDP context when there is no more media left within the related PDP context.

DISCUSSION: Seems to be some overlap with content of 29.207. There was a great deal of discussion on the overlap with 29.207, but no agreement was reached. Nokia stated that the proposed removal of the PDP context by the GGSN is against the current TS 29.207. To be compliant with TS 29.207, the change should be limited only to revoking the authorization. The CR was postponed for checking and then revised in order to be aligned with changes in 29.207.

RESULT: The document was **REVISED to 0808**.

β **REVISED** β

- N3-030808 CR 29.208: Removal of media component vs. putting media on hold, Orange**
DISCUSSION: Concerns over the correct place to makes the change. Orange will drive the email discussions on this.
RESULT: The document was **POSTPONED to CN3#31**.
- N3-030718 CR 29.208: Approval of the QoS Commit as a part of the authorization decision for early media, Orange**
CONTENT: The case of approval of QoS Commit as a part of the authorization decision is added in TS 29.208.
DISCUSSION: Need to add the reference to TS 29.208 in point 5.
Term "section" should read "clause".
RESULT: The document was **REVISED to 0772**.
β REVISED β
- N3-030772 CR 29.208: Approval of the QoS Commit as a part of the authorization decision for early media, Orange**
DISCUSSION: Reference format incorrect
RESULT: The document was **REVISED to 0810**.
β REVISED β
- N3-030810 CR 29.208: Approval of the QoS Commit as a part of the authorization decision for early media, Orange**
RESULT: The document was **AGREED**.
- N3-030726 CR 29.208: Session modification without adding or removing media lines, Nokia**
CONTENT: A signalling flow and a textual description are added in the TS.
DISCUSSION: Some minor requests to clarify the content of the figure and include the timer values. Also a change to the title to align with 29.207.
RESULT: The document was **REVISED to 773**
β REVISED β
- N3-030773 CR 29.208: Session modification without adding or removing media lines, Nokia**
DISCUSSION: Nortel suggested a minor change to the wording of the text.
RESULT: The document was **REVISED to 809**
β REVISED β
- N3-030809 CR 29.208: Session modification without adding or removing media lines, Nokia**
RESULT: The document was **AGREED**
- N3-030764 Comments on Session modification without adding or removing media lines, Siemens**
CONTENT: This contribution highlights possible contradictions in TS 29.207 with respect to bi-directional media components that are modified to become unidirectional during the session.
DISCUSSION: There was support for option 'B' - Session modification initiated SBLP authorisation decision" as described in 29.207, clauses 5.1.3 and 5.2.1.2, and also in N3-030726 (No bandwidth will be granted for the corresponding media IP flows in the deactivated direction and thus the "authorised QoS is reduced". The PDF therefore needs to invoke this procedure.)

The GGSN will wait for the UE to modify the PDP context and trigger the modification itself if the UE fails to do so after a timer expiry.

There was some difference of opinion on the handling of the inactive state.

A LS to be sent to CN1 (0775) including this discussion paper.

RESULT: The document was **NOTED**.

N3-030775 **DRAFT LS to CN1 " Session modification without adding or removing media lines " Siemens (CN3)**

CONTENT: In this LS, CN3 inform CN1 how a previously bi-directional media component ("sendrecv SDP attribute") becoming unidirectional ("sendonly" or "recvonly" SDP attribute) are handled with respect to SBLP

DISCUSSION: Several editorial errors. Suggested improvements to text provided offline by NORTEL.

RESULT: The document was **REVISED to 0811**.

β REVISED β

N3-030811 **DRAFT LS to CN1 "Session modification without adding or removing media lines" Siemens (CN3)**

RESULT: The document was **APPROVED**.

N3-030761 **CR 29.208: SDP to policy set-up information at PDF, Nokia**

CONTENT: PDF does not use SDP information at QoS commit procedure but instead the policy set-up information.

DISCUSSION: Replace PDF with PCSF/PDF. After some discussion it was decided the CR was not required and document was withdrawn.

RESULT: The document was **WITHDRAWN**.

9.2 Service change and UDI fall back [SCUDIF]

N3-030700 **CR 23.172: Corrections on HLR interrogation, Ericsson/ NTT DoCoMo**

CONTENT: Modifies the procedure SCUDIF_Set_Correct_PLMN_BC to cover the missing case. The procedure SCUDIF_Check_Service_Availability is updated. The description of Roaming Number 2 is updated to consider the case where the preferred service is not allowed.

DISCUSSION: SDL code is missing. Also minor change to one term in one SDL diagram.

RESULT: The document was **REVISED to 0771**.

β REVISED β

N3-030771 **CR 23.172: Corrections on HLR interrogation, Ericsson/ NTT DoCoMo**

RESULT: The document was **AGREED**.

N3-030706 **CR 23.172: Introduction of new handover chapter for SCUDIF, Ericsson**

RESULT: The document was **WITHDRAWN**.

N3-030721 **CR 23.172: CAMEL interactions with SCUDIF calls ,Ericsson**

RESULT: The document was **REVISED to 0766 before presentation**.

β REVISED β

N3-030766 **CR 23.172: Corrections on HLR interrogation, Ericsson/ NTT DoCoMo**

DISCUSSION: Relates to CRs in CN2, need to be approved as a group. CAMEL and AI are already included in 21.905, however they will be left in the abbreviations section. Minor type errors will be removed by MCC (;

RESULT: The document was **AGREED**.

9.3 Technical Enhancements & Improvements [TEI]

N3-030694 CR 29.208: HSDPA impacts to Go interface, NEC

CONTENT: The following updates are proposed in this CR.- The mapping rule for Maximum Authorized Data Rate DL and UL per Client in PDF is modified to set upper limit as 16000 K bps.- The mapping rule for Maximum Authorized Bandwidth DL and UL per PDP Context in UE is modified to set upper limit as 16000 K bps.

RESULT: The document was **AGREED**.

N3-030715 CR 29.061: HSDPA impacts to Radius, NEC

CONTENT: The following updates are proposed in this CR.-The definition of Rel5 3GPP-GPRS Negotiated QoS profile was added to the RADIUS according to the QoS expansion for HSDPA in 24.008.- When the 14th octet was added to the QoS information element in 24.008, the corresponding expansion to the GPRS Negotiated QoS profile Sub-attribute in RADIUS (29.061) was left so that this CR treat this explanation together with the explanation for HSDPA.

DISCUSSION: Depending on the QoS level there are 3 possibilities for the length. 33 is the maximum that corresponds with the 11 octets defined in 24.008. Suggested that the other lengths available for Rel-5 be shown also. The text was changed to read $L \leq 33$.

RESULT: The document was **REVISED to 0774**.

β REVISED β

N3-030774 CR 29.061: HSDPA impacts to Radius, NEC

RESULT: The document was **AGREED**.

N3-030698 CR 29.061: Disconnect Request for Multiple PDP Sessions belonging to a single User, Siemens, Cisco

CONTENT: This Change Request allows a single Disconnect Request message to indicate that all active PDP contexts belonging to the same user and sharing the same user session should be disconnected.

Was discussed on email following the last CN3 meeting. This version incorporates all comments (except one), received during email approval process.

DISCUSSION: Ericsson commented that definitions of the tear down indicator should be the same as in 29.060 [GTP protocol]. Additional text may also be required in 29.060 for the tear down indicator.

RESULT: The document was **REVISED to 0776**.

β REVISED β

N3-030776 CR 29.061: Disconnect Request for Multiple PDP Sessions belonging to a single User, Siemens, Cisco

DISCUSSION: Spare value may need to be set to 1. Can be checked offline.

RESULT: The document was **AGREED**.

N3-030701 CR 27.060: Updated reference for DHCPv6, Ericsson

CONTENT: Reference to "draft-ietf-dhc-dhcpv6-24.txt" is replaced by RFC 3315.

DISCUSSION: As this is for IMS only, there is no requirement to have this change for earlier releases.

RESULT: The document was **AGREED**.

N3-030702 CR 29.061: Unique IPv6 address for a PDP context, Ericsson

CONTENT: In the procedure for stateful IPv6 address autoconfiguration, it is clarified that the DHCPv6 server shall only return one address per IA option. It is also stated that if the MS requests additional addresses, then the request is rejected by the GGSN.

DISCUSSION: Minor editorial changes to the CR.

RESULT: The document was **REVISED to 0777**.

β REVISED β

N3-030777 CR 29.061: Unique IPv6 address for a PDP context, Ericsson

RESULT: The document was **AGREED**.

10 Release 6

10.1 Interworking between IM subsystem and IP [IW-CCR-IWIP]

No input. - STATUS CHECK OF WI - SOME WORK ONGOING IN SA2. SA2's decisions on 29.962 impacts mainly CN1 and the Go interface. No input on 29.162 to this meeting.

Thomas Belling [Siemens] to review 29.162 depending on SA2's decisions on 29.962.

10.2 Interworking between IM Subsystem with CS [IW-CCR-IWCS]

N3-030683 CR 29.163: Use of response code 500 instead of 503, Nortel Networks

CONTENT: Given 503 status code may cause immediate unwanted reattempts in network error situations, and given that in most cases (SIP proxy encountered) 503 status code is changed to 500 Internal server error (RFC 3261 clause 6), the proposal is to replace occurrences of status code 503 Service Unavailable by status code 500 Internal server error.

DISCUSSION: Simplify the reason for change (alignment with ITU-T) and also add missing change to one clause.

RESULT: The document was **REVISED to 0778.**

β REVISED β

N3-030778 CR 29.163: Use of response code 500 instead of 503, Nortel Networks

RESULT: The document was **AGREED.**

N3-030684 CR 29.163: Autonomous Release at I-MGCF on T7 expiry, Nortel Networks

CONTENT: The SIP response to a T7 expiry condition is set to 484 Address Incomplete, as there's not any 3GPP particularity that prevents from aligning with ITU.

DISCUSSION: The overlap with 0719 (Orange contribution) needs to be removed.

RESULT: The document was **REVISED to 0788.**

β REVISED β

N3-030788 CR 29.163: Autonomous Release at I-MGCF on T7 expiry, Nortel Networks

RESULT: The document was **AGREED.**

N3-030685 CR 29.163: Clarification of 487 mapping to 127, Nortel Networks

CONTENT: Mapping of 487 is clarified with a note. No mapped entries are removed.

DISCUSSION: Add a normative NOTE in the table to indicate the case of no mapping / interworking.

RESULT: The document was **REVISED to 0779.**

β REVISED β

N3-030779 CR 29.163: Clarification of 487 mapping to 127, Nortel Networks

RESULT: The document was **AGREED.**

N3-030686 CR 29.163: Table 12 modifications, Nortel Networks

CONTENT: The CR re-inserts the line in Table 12 that was previously removed. Also adds an additional note to indicate that this is an error case and these are the default actions for this case

DISCUSSION: Ericsson suggested a minor modification to the change - removing the 1st paragraph, and adding 'if available' to second change as well as modifying the note.

Also simplifying the reason for change to "alignment with ITU-T"

RESULT: The document was **REVISED to 0780.**

β REVISED β

N3-030780 CR 29.163: Table 12 modifications, Nortel Networks

DISCUSSION: Minor error (remove "uses").

RESULT: The document was **REVISED to 0812.**

β REVISED β

N3-030812 CR 29.163: Table 12 modifications, Nortel Networks

RESULT: The document was **AGREED**

N3-030687 CR 29.163: Reason Headers, Nortel Networks

DISCUSSION: CN3 consider this to be premature, as this work still needs to be progressed in CN1.

RESULT: The document was **WITHDRAWN.**

N3-030688 CR 29.163: Deletion of COLP/COLR, Nortel Networks

CONTENT: COLP/COLR interworking section is removed and left FFS, to provide alignment with ITU-T.

DISCUSSION: Mention differences between ITU-T and CN3 solution. Indicate to SA1 these differences / restrictions. Agreement could not be reached on this CR as Siemens does not see this as an issue for concern. The ITU-T do not specify this service due to the lack of mechanism to map additional parameters. Siemens wished more time to examine the issue.

RESULT: The document was **POSTPONED to CN3#31.**

N3-030689 CR 29.163: Change of timer T2 value, Nortel Networks

CONTENT: The CR updates the Range of values for timer T2.

DISCUSSION: Is covered by the merged CR in 0781.

RESULT: The document was **WITHDRAWN.**

N3-030690 Discussion: Summary of misalignments items between 29.163 and Q.1912.5, Nortel Networks

CONTENT: It has been agreed in principle to keep track of the list of misalignments between 29.163 and Q.1912.SIP. This list, when completed and agreed, will be incorporated to an stable version of TS 29.163 as an Annex.

DISCUSSION: Ericsson provided some offline comments to the CR.

Changes presented to this meeting have not yet been included in this document. A revised version will be presented to CN3 email shortly after the meeting.

RESULT: The document was **REVISED to 0789.**

β REVISED β

N3-030789 Discussion: Summary of misalignments items between 29.163 and Q.1912.5, Nortel Networks

RESULT: The document was **to be provided by email.**

N3-030692 CR 29.163: Correction of structure, Nortel Networks

CONTENT: The CR correct the titles of some clauses.

DISCUSSION: Overlaps with some parts of the CR from Ericsson in 0712.

RESULT: The document was **AGREED**.

N3-030699 Discussion: An analysis of the requirements of the Reason header, Lucent Technologies

CONTENT: This contribution analyses the requirements of the Reason header with a view to completing the Annex A tables within 3GPP TS 24.229.

Confirmation of CN3 is also needed with regard to the functionality of the MGCF, in respect of this header when interworking with BICC/ISUP.

The conclusions of this contribution are implemented in an associated CR.

DISCUSSION: There is currently no mention of the use of the reason header. All what is known is that the UE generates it, and it must be transported.

CN1 must specify the functionality of the Reason header, and once this is done, CN3 will provide the interworking. CN3 will follow CN1's lead.

RESULT: The document was **NOTED**.

N3-030709 CR 29.163: Interworking of user plane, Ericsson

DISCUSSION: Change to AMR class and one minor editorial.

RESULT: The document was **REVISED to 0782**.

β **REVISED** β

N3-030782 CR 29.163: Interworking of user plane, Ericsson

RESULT: The document was **AGREED**.

N3-030710 CR 29.163: Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163, Ericsson

CONTENT: This CR proposes alignment between two subclauses. It also includes some editorial changes.

DISCUSSION: Duplication of changes in a Nortel CR, needs to be removed here. Errors in the clause numbering and subsequent referencing.

RESULT: The document was **REVISED to 0783**.

β **REVISED** β

N3-030783 CR 29.163: Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163, Ericsson

DISCUSSION: Missing Work Item. Remove NEXT MODIFIED SECTION from changes.

RESULT: The document was **REVISED to 0823**.

β **REVISED** β

N3-030823 CR 29.163: Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163, Ericsson

RESULT: The document was **AGREED**.

N3-030712 CR 29.163: Criterion to start Timer Tiw2, Ericsson

CONTENT: Describes the criterion when to start timer Tiw2.

DISCUSSION: Minor overlap with Nortel CR in 0692 - needs to be removed from the revised version

Additional change overlaps with a Nokia contribution [0728]

Decided to merge the two overlapping CRs.

RESULT: The document was **MERGED WITH 0728 into 0781.**

β MERGED β

N3-030781 CR 29.163: Criterion to start Timer Tiw2, Nokia, Ericsson.

RESULT: The document was **AGREED.**

N3-030719 CR 29.163: Alignment of TS 29.163 with the ITU-T recommendation Q.1912.5, Orange

CONTENT: Makes changes in accordance with to the Q.1912.5 recommendation.

DISCUSSION: A lot of the changes in other documents are covered in this CR. Would be better to include all changes in one CR.

Remove the added reference [46].

Do not remove speech option from 7.2.3.1.2.5.

Changes to table 10 covered in another CR.

Do not renumber existing tables.

Changes to table 11 covered in another CR.

Changes to timers covered in another CR.

RESULT: The document was **REVISED to 0787.**

β REVISED β

N3-030787 CR 29.163: Alignment of TS 29.163 with the ITU-T recommendation Q.1912.5, Orange

RESULT: The document was **AGREED.**

N3-030725 CR 29.163: Editorial changes to TS 29.163, Ericsson

RESULT: The document was **WITHDRAWN.**

N3-030727 CR 29.163: Mapping of unknown cause code values, Nokia

CONTENT: A sentence describing the mapping of unknown cause code values is added and missing cause defaults values are added to the table

DISCUSSION: Suggest correct referencing format of ITU-T Recommendation Q.xxx. Addition of a NOTE for class 1 and class 2. Minor editorials to cover page.

RESULT: The document was **REVISED to 0784.**

β REVISED β

N3-030784 CR 29.163: Mapping of unknown cause code values, Nokia

RESULT: The document was **AGREED.**

N3-030728 CR 29.163: Interworking (overlap to en block conversion) timer corrections, Nokia

CONTENT: The CR makes the following changes.

1. Cause for initiation of Ti/w1 is changed to contain also the condition that the minimum number of digits required for routing the call is received. This change makes the description consistent with 7.2.3.2.1.

2. The upper limit of Ti/w2 has been changed to 14s to be consistent with the similar ITU-T TOIW2 timer defined in Q.1912.5

3. Notes are added that clarify the cases when Ti/w1 and Ti/w2 timer is used and the special case when continuity indication and overlap dialling is used together

DISCUSSION: Ericssons have another CR [0712] that modifies the criteria for Ti/w2.

Agreed to not to modify the term 'initial'.

Remove the Note 2 and Note 3, and include the reference to the section added in the Ericsson CR.

Replace term 'in case' with 'when'.

RESULT: The document was **MERGED with 0712 into 0781**.

N3-030738 CR 29.163: Addition of References, Siemens

CONTENT: Some references have been added in the text, in particular to clarify when IPv4 and IPv6 is applicable. Reference to IPv6 added again. Removed incorrect sentence in Clause 7.2.2.2

DISCUSSION: Minor editorial changes to the SIP signalling function and Services offered by M3UA clauses. Also minor editorials to the formatting of the references.

RESULT: The document was **REVISED to 0785**.

β **REVISED** β

N3-030785 CR 29.163: Addition of References, Siemens

DISCUSSION: Various editorial and spelling errors. Missing CR number.

RESULT: The document was **REVISED to 0813**.

β **REVISED** β

N3-030813 CR 29.163: Addition of References, Siemens

RESULT: The document was **AGREED**.

N3-030739 CR 29.163: Handling of closed used group supplementary service, Siemens

RESULT: The document was **REVISED TO 0763 before presentation**.

β **REVISED** β

N3-030763 CR 29.163: Handling of closed used group supplementary service, Siemens

CONTENT: Clause "Interactions with other networks" in Q.735 is not an appropriate description of the termination of this supplementary service, as the IMS does not support it

DISCUSSION: Simplify the reason for change. The reference needs correcting.

RESULT: The document was **REVISED TO 0786**.

β **REVISED** β

N3-030786 CR 29.163: Handling of closed used group supplementary service, Siemens

DISCUSSION: Spelling errors need to be corrected.

RESULT: The document was **REVISED TO 0814**.

β **REVISED** β

N3-030814 CR 29.163: Handling of closed used group supplementary service, Siemens

RESULT: The document was **AGREED**.

N3-030742 CR 29.163: Interworking of Hold/Resume from the CS Network, Siemens

CONTENT: Description of signaling interworking added. No interworking of the user plane is required

DISCUSSION: Was postponed to late in the CN3 meeting pending a decision in SA2.

Minor spelling / editorials. MCC will remove the **COMMENT** when implementing the CR.

RESULT: The document was **REVISED TO 0815**.

β REVISED β

N3-030815 CR 29.163: Interworking of Hold/Resume from the CS Network, Siemens

RESULT: The document was **AGREED**.

N3-030743 CR 29.163: Impact of Forking, Siemens

CONTENT: This paper discusses how SIP forking should be handled in the MGCF and IM-MGW. Up to now, those issues have not yet been addressed in TS 29.163. Related CRs are contained in TDOCs N3-030744 to N3-030747.

An additional discussion paper (N3-030748) investigates the handling of backward early media for forked requests.

DISCUSSION: Nortel had concerns with the efficiency of the signalling proposed. The proposed solution takes unnecessary resources in the MGW.

Companies had some concerns with the complexity of the issue. It was proposed to postpone until next meeting.

RESULT: The document was **POSTPONED to CN3#31**.

N3-030745 CR 29.163: Impact of Forking on Incoming call interworking, Siemens

CONTENT: Due to forking, the I-MGCF may receive additional similar INVITE requests. The I-MGCF shall not interwork these requests but reject them following standard SIP procedures

DISCUSSION: Companies had some concerns with the complexity of the issue. It was proposed to postpone until next meeting.

RESULT: The document was **POSTPONED to CN3#31**.

N3-030746 CR 29.163: Impact of Forking on Outgoing call interworking, Siemens

CONTENT: Describes the impact of Forking on Outgoing call interworking.

DISCUSSION: The CR includes some standard SIP procedures - it would be better to simply reference them.

RESULT: The document was **POSTPONED to CN3#31**.

N3-030747 CR 29.163: Impact of Forking on COLP supplementary service, Siemens

CONTENT: COLP must be derived from P-asserted-ID received within correct SIP dialogue, which becomes established by 200 OK.

RESULT: The document was **POSTPONED to CN3#31**.

N3-030748 CR 29.163: Interaction of Forking and Early Media, Siemens

CONTENT: This paper investigates the handling of backward early media at the IM-MGW for forked requests in the case of mobile terminated requests (outgoing call interworking). No related CRs are presented in CN3#30.

DISCUSSION: It was decided to delay the forking issue until the next CN3 meeting. Ericsson had concerns with this not being of high priority and the frequency with which this problem will occur is low. Siemens agreed that this is not the highest priority but the argued that solution if not too complicated to realise.

Nortel could not accept the clipping argument presented by Siemens and sees the proposed solution as a bit of an overkill.

In conclusion CN3 can see no need to act on this now, and the issue of Forking with Early media is postponed until the next meeting. Companies are invited to study the issue, and bring alternative solutions.

RESULT: The document was **NOTED**.

N3-030758 Discussion: 29.163 to reference Q.1912.5, Nortel Networks

CONTENT: It is proposed to accept in principle the replacement of the relevant 29.163 text for a reference to Q.1912.5 for the reasons detailed above. The 3GPP document would contain the necessary deltas so that there would be no technical change in the 3GPP requirements as a result of this activity. If this is agreed, Nortel will be happy to contribute in that sense in the following meeting.

DISCUSSION: The ITU-T document is on approval process in ITU-T and a number of comments have been received. There will be an electronic meeting to resolve these (mainly editorial) comments in Dec. 2003. The document should be approved before CN3s next meeting in Feb 2004.

Nortel suggest bringing a delta document showing the technical differences between ITU-T and 3GPP documents. Nortel believe there are very few technical differences.

Siemens mentioned that 'forking' is a 3GPP requirement that is not presently covered in the ITU-T document. Siemens supported maintaining the independent 3GPP document and not referencing the ITU-T document for the time being.

Ericsson did not agree to this proposal at this time, seeing it as a waste of meeting time at this stage.

Problem of time constraints for the Rel-6 timeframe. 29.163 is presently considered stable for Rel-6. The ITU-T document is not yet approved. CN3 maintain the long-term goal of removing the ITU-T related text from 3GPP specification, and simply referencing the ITU-T recommendation.

Some concerns were raised that the ITU-T recommendation has mixed several profiles.

CN3 consider that it is too early to reference the ITU-T document. Will await the approval of the recommendation to take such a decision.

RESULT: The document was **NOTED**.

10.3 Media Gateway Control Function (MGCF) - IM Media Gateway (IMS-MGW) Mn Interface [IW-CCR-Mn]

N3-030708 CR 29.163: Failure handling in MGCF, Ericsson

CONTENT: The concerned sections are divided into one normative part and one non-normative note. In the note it is proposed to describe the possibility to move the user plane as an implementation option.

DISCUSSION: Comments were made to provide better wording ("released" instead of "cleared").

RESULT: The document was **REVISED to 0790**.

β REVISED β

N3-030790 CR 29.163: Failure handling in MGCF, Ericsson

RESULT: The document was **AGREED**.

N3-030711 CR 29.163: Corrections to clause 9 of TS 29.163, Ericsson

CONTENT: The reserve value/group parameter is applicable both for local and remote descriptor. Therefore, multiple codecs can be received in a response from the MGW. SDP will always be received in all concerned messages from the IM-CN. A number of editorial changes are made to align the wording in the different sections.

DISCUSSION: Some spelling errors were found. Also some minor comments were made to the content of the CR.

RESULT: The document was **REVISED to 0791.**

β REVISED β

N3-030791 CR 29.163: Corrections to clause 9 of TS 29.163, Ericsson

DISCUSSION: Wrong document contained in zip

RESULT: The document was **REVISED to 0816.**

β REVISED β

N3-030816 CR 29.163: Corrections to clause 9 of TS 29.163, Ericsson

DISCUSSION: Editorials required; do not remove the word Option, use signal 10 not 12.

RESULT: The document was **REVISED to 0824.**

β REVISED β

N3-030824 CR 29.163: Corrections to clause 9 of TS 29.163, Ericsson

DISCUSSION: Additional comments were received offline

RESULT: The document was **REVISED to 0827.**

β REVISED β

N3-030827 CR 29.163: Corrections to clause 9 of TS 29.163, Ericsson

DISCUSSION: Some "mays" should remain "shalls". Also "optionally" must not be deleted.

RESULT: The document was **REVISED to 0829.**

β REVISED β

N3-030829 CR 29.163: Corrections to clause 9 of TS 29.163, Ericsson

RESULT: The document was **AGREED.**

N3-030714 CR 29.163: IM-MGW initiated release, Ericsson

CONTENT: The termination-out-of service criterion is deleted as a release cause in the ATM/IP case. A more detailed criterion is added for TDM case.

DISCUSSION: Siemens supported the CR, but had some comments to the ISUP section. Also there were several editorial modifications to the CR.

Several comments were taken offline.

RESULT: The document was **REVISED to 0792.**

β REVISED β

N3-030792 CR 29.163: IM-MGW initiated release, Ericsson

DISCUSSION: Some companies requested more time to study this issue. Placed on email approval

RESULT: The document was **email approval.**

N3-030724 CR 29.163: Corrections to table 29 and 30 of TS 29.163, Ericsson

CONTENT: The parameter volume is discarded from table 30. References are made to H.248 instead of RFC 2833.

DISCUSSION: Siemens had some concerns with the H.248 change-required some time for checking. Also some modification to incorrect references.

RESULT: The document was **REVISED to 0793.**

β REVISED β

- N3-030793** **CR 29.163: Corrections to table 29 and 30 of TS 29.163, Ericsson**
RESULT: The document was **AGREED**.
- N3-030737** **CR 29.163: User plane interworking, Ericsson**
RESULT: The document was **WITHDRAWN**.
- N3-030740** **CR 29.163: Corrections on Section 9.2.8 Handling of RTP telephony events, Siemens**
CONTENT: Procedure names Updated in Text and Figure. Same termination used to receive speech and telephony events. Additional text with further explanations and references to Sections 9.2.2 and 9.2.3 added. Only mobile originated DTMF is required to be interworked, even if bi-directional DTMF was negotiated
DISCUSSION: The term "Telephony" has not been edited consistently throughout the specification.
Vodafone did not support the global changing of the word telephony. This needs to be examined more closely.
Use of term "clause" as "opposed" to section.
RESULT: The document was **REVISED to 0794**.
- β REVISED β**
- N3-030794** **CR 29.163: Corrections on Section 9.2.8 Handling of RTP telephony events, Siemens**
DISCUSSION: Still has some remaining use of the term "Section". Also some minor editorials
RESULT: The document was **REVISED to 0817**.
- β REVISED β**
- N3-030817** **CR 29.163: Corrections on Section 9.2.8 Handling of RTP telephony events, Siemens**
RESULT: The document was **AGREED**.
- N3-030741** **CR 29.163: Wrong Mn Procedure in Figure 36 Siemens**
CONTENT: Corrects Figure 36.
RESULT: The document was **AGREED**.
- N3-030744** **CR 29.163: Impact of Forking on Mn procedures Siemens**
CONTENT: Adds the impact of Forking on Mn procedures
RESULT: The document was **POSTPONED to CN3#31**.

10.4 Gq interface for Dynamic Policy control enhancements [QoS1]

NOTE: CN3 are following closely the stage 2 work on the Gq function that is still ongoing in SA2.

In order to advance work, but to avoid introducing immature work into the CN3 specifications CN3 have decided the following.

- CN3 will not introduce partial / immature solutions into their specifications
- CRs that provide a partial / immature solution will be presented, discussed and improved in CN3 meetings and on email but **NOT** presented to CN Plenary for approval until the solution is considered complete.
- These CRs will be maintained in CN3 documentation with an internal DRAFT version of 29.207 and 29.208 to include the developing changes.

- The separate functions will be contained in separate CRs

N3-030693 CR 29.207: Introduction of multiple token case in 29.207 in R.6, Nortel Networks

CONTENT: Changes to the specification to consider the multiple token case. Changes to the specification to consider the possibility of the AF to instruct the PDF to contact AF at bearer establishment.

DISCUSSION: 1st part of change should be included in 29.209, second part of change was removed. Also the session set-up was removed. Suspected impact on Go PIB needs to be checked by Nortel.

Also reason for change should refer to Stage 2 and not a TR 23.917.

RESULT: The document was **REVISED to 0804**.

β REVISED β

N3-030804 CR 29.207: Introduction of multiple token case in 29.207 in R.6, Nortel Networks

DISCUSSION: Various comments made to the text.

RESULT: The document was **REVISED to 0826**.

β REVISED β

N3-030826 CR 29.207: Introduction of multiple token case in 29.207 in R.6, Nortel Networks

RESULT: The document was **PLACED on EMAIL APPROVAL**.

N3-030720 Requirements for the Gq interface and choice of the protocol, Orange

CONTENT: Presents the Orange position that the choice of the protocol for the Gq interface in the CN3 group should be postponed until all the requirements for the Gq interface are defined in SA2, especially functional requirements and security. These are important criteria for the operator since the Gq interface is an open interface.

DISCUSSION: Nokia support the comment that security requirements should be strong because the Gq interface is an open interface.

The Orange document refers to Aspects and requirements related to Gq. These are outside of the scope of CN3 and lie with SA2, and SA1. Security requirements are usually handled by SA3.

Orange reiterated that Security is of up most importance to Operators.

SA2 have tasked SA3 to examine the issue if security over the Go interface. To date no response has been received by SA2

SA2 are awaiting a response LS from SA3 on security for DIAMETER. However a response will most probably be received after the CN3 Feb 2004 meeting which is too late for CN3 to progress their work for Rel-6.

It was agreed to send an LS to SA3 and SA2 [0795].

For future extensions of the protocol, a mechanism should be available to negotiate the protocol version between the PDF and the AF. This relates to the issue of backwards compatibility. CN4 has not yet identified the appropriate mechanism but is investigating how such a mechanism can be realised. A solution is expected by the next CN4 meeting.

However Nokia Ericsson and Siemens do not see the issue of future extensions as a reason to prevent the use of DIAMETER, as a solution is expected from CN4. Nortel wished to have this added as a condition to CN3's working assumption, however this was not agreed by the meeting.

CN3's Working assumption is still that DIAMETER will be used over the Gq interface.

RESULT: The document was **NOTED**.

N3-030795 **LS OUT on security concerns for DIAMETER over Gq interface, CN3**
CONTENT: LS to SA3, SA2 on security issues over the Gq interface
DISCUSSION: Suggested improvements to the text to give clearer statements and actions.
RESULT: The document was **REVISED to 0825.**

β **REVISED** β

N3-030825 **LS OUT on security concerns for DIAMETER over Gq interface, CN3**
DISCUSSION: Ericsson felt SA3 cannot advise on external relations with IETF. This is more of an issue for the operators

Once again the wording was re-formulated to provide clearer statements.

Also there was some confusion over the requirements of security over the Gq interface. It was decided to send the LS also to SA1.

An impressive on-line editing session took place in the dying minutes of the meeting,
RESULT: The document was **REVISED to 0830.**

β **REVISED** β

N3-030830 **LS OUT on security concerns for DIAMETER over Gq interface, CN3**
RESULT: The document was **APPROVED.**

N3-030729 **CR 29.209: Gq messages, Nokia**
CONTENT: Adds Gq message definitions.
DISCUSSION: Most of new terms have been taken from NASREQ. A note needs to be added for the notation.

Align procedure names with those given in the Diagrams.

Ericsson stated that it is good work, but will require a certain amount of time for companies to study the contributions and ensure the solution is optimal.

Qualcomm asked if the NASREQ application ID be used for this or a new one. Nokia and Orange believe we need a new application ID, which will be requested from the IN (IETF). Nokia suggest that we will use vendor specific IDs. This issue needs some more study.
RESULT: The document was **REVISED to 0801.**

β **REVISED** β

N3-030801 **CR 29.209: Gq messages, Nokia**
DISCUSSION: To be provided to CN3 email exploder list for discussion.

Companies are encouraged by the CN3 chair to be active on these email discussions.
RESULT: The document was **PLACED on EMAIL DISCUSSION.**

N3-030730 **CR 29.209: Gq attributes, Nokia**
CONTENT: Introduces Gq specific AVPs.
DISCUSSION: There were some concerns with the dependence on input and changes in SA2.

Alignment required for parameters on Go interface.

Will also be discussed on email.
RESULT: The document was **PLACED on EMAIL DISCUSSION.**

N3-030731 **CR 29.209: Usage of Gq messages, Nokia**

CONTENT: Defines the Gq specific use of Diameter messages.

DISCUSSION: Nortel identified some discrepancies with the stage 2.

Ericsson and Siemens had concerns with some of the change. The text was discussed offline.

RESULT: The document was **REVISED to 0802**.

β REVISED β

N3-030802 CR 29.209: Usage of Gq messages, Nokia

RESULT: The document was **PLACED on EMAIL DISCUSSION**.

N3-030732 CR 29.207: Gq interface impacts on TS29.207, Nokia, Nortel

CONTENT: Amends a mismatch between the TSs defining the Gq interface and TS 29.207 regarding the Gq interface.

DISCUSSION: Siemens suggested that the explicit session description is not required for setting up the AF session. However the definitions have been copied from the stage 2, so this CR only does an alignment with Stage 2.

Changes have also been made to the Gq interface in an SA2 drafting session.

Ericsson believes that use grouping indication on the Gq interface has not yet been defined by SA2. Decided to remove this change until SA2 complete on this.

Make the provision of the AF charging information optional (insert if).

Removal of term "in case of" from the change and indeed the entire specification.

CR also has some editorial /spelling errors and requirement to examine text surrounding global change from P-CSCF to AF to ensure it is still valid.

Also a general need to align terms with the outcome of the SA2 drafting session on the Gq interface.

Siemens could not agree to removal of the text from clause 5.2.1.1, as 22.207 does not yet contain the corresponding level of information. Nokia and Ericsson believe this information is misleading and prefer to remove it - this was agreed.

RESULT: The document was **REVISED to 0796**.

β REVISED β

N3-030796 CR 29.207: Gq interface impacts on TS 29.207, Nokia

DISCUSSION: AGREED but will not be provided to CN Plenary until functionality complete.

RESULT: The document was **PLACED on EMAIL APPROVAL**.

N3-030733 CR 29.208: Gq interface impacts on signalling flows, Nokia, Nortel

CONTENT: Updates the E2E QoS signalling flows due to the introduction of the new Gq interface (between the Application Function (AF) and PDF)

DISCUSSION: Need to clarify the changes in the figure for the general and SDP specific cases.

Also it is not desirable to introduce generalities into Stage 3 specifications.

Comments were made offline to the document. Often the figures do not match their corresponding descriptions.

RESULT: The document was **REVISED to 0798**.

β REVISED β

N3-030798 CR 29.208: Gq interface impacts on signalling flows, Nokia

RESULT: The document was **PLACED on EMAIL APPROVAL**.

N3-030734 **CR 29.208: Gq interface impacts on QoS parameter mapping definitions, Nokia, Nortel**

CONTENT: The QoS parameter mapping subclause has been updated to contain the AF and related functionality.

DISCUSSION: UE needs to be added to the changed header.

Some concerns were expressed at the use of the term the AF 'shall'. Ericsson believed this in not correct. the correct wording was formulated offline.

Replace term SDP with AF session signalling.

Also some minor editorials

RESULT: The document was **REVISED to 0800.**

β REVISED β

N3-030800 **CR 29.208: Gq interface impacts on QoS parameter mapping definitions, Nokia**

DISCUSSION: AGREED but will not be provided to CN Plenary until functionality complete.

RESULT: The document was **PLACED on EMAIL APPROVAL.**

N3-030735 **CR 29.207: Changing term SDP to SDI, Nokia, Nortel**

CONTENT: In order to be future-proof this contribution proposes to change the term “SDP” to “SDI”.

DISCUSSION: SA2 have not yet agreed on the term of SDI, so this change may be premature in our Stage 3.

The term "AF session signalling" will be introduced in the other CR to 29.207

RESULT: The document was **REVISED to 0797.**

β REVISED β

N3-030797 **CR 29.207: Changing term SDP to SDI, Nokia**

RESULT: The document was **PLACED on EMAIL APPROVAL.**

10.5 Commonality and interoperability between IMSs [IMSCOOP]

No input to this Agenda Item.

10.6 Presence [PRESENC]

No input to this Agenda Item.

10.7 Multimedia Broadcast and Multicast Service [MBMS]

N3-030691 **Discussion: Gmb interface, Nortel Networks**

DISCUSSION: Due to outstanding discussions in SA2, these documents are withdrawn

RESULT: The document was **WITHDRAWN.**

N3-030749 **Discussion: Choice of Gmb Protocol, 3**

DISCUSSION: Due to outstanding discussions in SA2, these documents are withdrawn

RESULT: The document was **WITHDRAWN.**

N3-030750 **CR 29.061: Introducing MBMS, 3**

DISCUSSION: Due to outstanding discussions in SA2, these documents are withdrawn

RESULT: The document was **WITHDRAWN**.

N3-030751 CR 29.061: More MBMS Additions, 3

DISCUSSION: Due to outstanding discussions in SA2, these documents are withdrawn

RESULT: The document was **WITHDRAWN**.

10.8 Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp Interface [IMS-CCR-Mp]

No input to this Agenda Item.

10.9 WLAN – UMTS Interworking [WLAN]

N3-030736 WLAN access vs. TS 29.061, Nokia

CONTENT: Presents a discussion on WLAN interworking. CN3 is requested to consider the arguments and make a decision on whether the WLAN and packet data networks interworking shall be specified in the existing TS 29.061 or whether a new TS shall be made

DISCUSSION: Siemens agrees to use a separate specification for the Wi interface.

This is postponed to email discussion to allow output of SA2 to be analysed.

RESULT: The document was **POSTPONED to email discussion**.

10.10 Other Rel-6 Work Items

N3-030722 Terminology in TS 24.022, Ericsson

CONTENT: This discussion paper proposes some terminology clarification in TS 24.022 [1]. The paper points out that TS 24.022 is currently not aligned with other specifications. Proposes that the terminology related to 'substream' and 'physical link' is aligned with TS 48.020. Related CR in 0723.

RESULT: The document was **NOTED**.

N3-030723 CR 24.022: Terminology clarification, Ericsson

CONTENT: Fixes a detected terminology problem.

DISCUSSION: Needs to be cleaned up to show only the changed text.

Is not needed for Rel-6. Changes back to R98 cannot be accepted. Suggest Rel5 only. Provide clearer Title and reason for change.

RESULT: The document was **REVISED to 0805**.

β REVISED β

N3-030805 CR 24.022: Terminology clarification, Ericsson

RESULT: The document was **AGREED**.

N3-030762 CR 29.208: QoS commit in Rel-6, Nokia

CONTENT: QoS commit must be delayed until the ACK in some cases.

DISCUSSION: The proposed functionality in TS 29.208 cannot be based only on RFC 3261, i.e. the proposal cannot be regarded independent of the CN1 CR, because other accesses

(WLAN) enabling the UE to be based on IETF RFS (like 3261) do not use the Go interface. Siemens suggested postponing the CN3 CR until the CN1 CR is agreed.

RESULT: The document was **POSTPONED to CN3#31.**

11 Joint sessions

11.1 **Joint session with SA1, SA2, CN1 and CN4 on Push to talk and emergency calls in IMS. SCHEDULED FOR MONDAY 18:00**

12 Work Organization

12.1 Work Plan Review

N3-030675: 3GPP Work Plan, source MCC.

DISCUSSION: Edited on line, and comments will be integrated in the version presented to CN#22.

RESULT: The document was **NOTED**.

12.2 Specification Review

N3-030676 Status of CN3 specifications following SA#21, source MCC.

CONTENT: Details the status of CN3s specifications following SA#21 meeting.

DISCUSSION: Lucent no longer have a rapporteur for 29.207 and 29.208. New candidates are sought.

Active rapporteurs may be required for 29.162 (presently Nigel Holland) and 29.061 and 27.060 (Johanna Wild).

RESULT: The document was **NOTED**.

12.3 Next meetings, allocation of hosts

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

13 Summary of results

13.1 Work Items

0 WIDs were agreed by CN3, to be sent to the next TSG-CN Plenary for Approval:

13.2 Liaison Statements

The following LS was approved by CN3. Will be presented to the next TSG-CN Plenary for info:

Tdoc	Title	LS To	LS Cc	LS Attachment
N3-030828	LS on Inter-network accounting for BS30 based services such as video telephony	CN, SA	-	N3-030821, N3-030713
N3-030830	LS out to SA2 and SA3 on Security concerns of DIAMETER over Gq interface	SA3, SA2	-	-
N3-030811	LS on SBLP handling of Session modification without adding or removing media lines	CN1	-	N3-030764

13.3 TRs / TSs

0 TS/TR(s) were agreed to be sent to the next TSG-CN Plenary for Approval.

13.4 Change Requests

The following CRs were agreed by CN3, and are to be sent to the next TSG-CN Plenary for Approval:

Tdoc	Title	Spec	CR	Rev	Cat	Rel	Work Item
N3-030771	Corrections on HLR interrogation	23.172	019	1	F	Rel-5	SCUDIF
N3-030766	CAMEL interactions with SCUDIF calls	23.172	021	1	F	Rel-5	SCUDIF
N3-030805	Terminology clarification	24.022	013	1	F	Rel-5	CS Data
N3-030799	Incomplete tree diagrams	27.001	104	1	F	R99	CS Data
N3-030701	Updated reference for DHCPv6	27.060	088		F	Rel-5	GPRS
N3-030821	Backward signalling of service information between VMSC and GMSC for MTC	29.007	089	4	B	Rel-5	CS Data
N3-030776	Disconnect Request for Multiple PDP Sessions belonging to a single	29.061	094	2	F	Rel-5	GPRS
N3-030777	Unique IPv6 address for a PDP context	29.061	095	1	F	Rel-5	GPRS
N3-030767	Updated reference for DHCPv6	29.061	096	1	F	R99	GPRS
N3-030768	Updated reference for DHCPv6	29.061	097	1	A	Rel-4	GPRS
N3-030769	Updated reference for DHCPv6	29.061	098	1	A	Rel-5	GPRS
N3-030774	HSDPA impacts to Radius	29.061	099	1	F	Rel-5	HSDPA
N3-030741	Wrong Mn Procedure in Figure 36	29.163	024		B	Rel-6	IMS-CCR-IWCS
N3-030815	Interworking of Hold/Resume from the CS Network	29.163	025	1	B	Rel-6	IMS-CCR-IWCS
N3-030778	Use of response code 500 instead of 503	29.163	001	1	F	Rel-6	IMS-CCR-IWCS
N3-030788	Autonomous Release at I-MGCF on T7 expiry	29.163	002	1	F	Rel-6	IMS-CCR-IWCS
N3-030779	Clarification of 487 mapping to 127	29.163	003	1	F	Rel-6	IMS-CCR-IWCS
N3-030812	Table 12 modifications	29.163	004	2	F	Rel-6	IMS-CCR-IWCS
N3-030692	Correction of structure	29.163	008		F	Rel-6	IMS-CCR-IWCS
N3-030790	Failure handling in MGCF	29.163	009	1	F	Rel-6	IMS-CCR-Mn
N3-030782	Interworking of user plane	29.163	010	1	F	Rel-6	IMS-CCR-IWCS
N3-030823	Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163	29.163	011	2	F	Rel-6	IMS-CCR-IWCS
N3-030829	Corrections to clause 9 of TS 29.163	29.163	012	5	F	Rel-6	IMS-CCR-Mn
N3-030781	Criterion to start Timer Tiw2	29.163	013	1	F	Rel-6	IMS-CCR-IWCS
N3-030787	Alignment of TS 29.163 with the ITU-T recommendation Q.1912.5	29.163	015	1	F	Rel-6	IMS-CCR-IWCS
N3-030793	Corrections to table 29 and 30 of TS 29.163	29.163	016	1	F	Rel-6	IMS-CCR-Mn
N3-030784	Mapping of unknown cause code values	29.163	018	1	F	Rel-6	IMS-CCR-IWCS
N3-030813	Addition of References	29.163	021	2	F	Rel-6	IMS-CCR-IWCS
N3-030814	Handling of closed used group supplementary service	29.163	022	3	F	Rel-6	IMS-CCR-IWCS
N3-030817	Corrections on Section 9.2.8 Handling of RTP telephony events	29.163	023	2	F	Rel-6	IMS-CCR-IWCS
N3-030770	Source addresses in packet classifiers	29.207	111	1	F	Rel-5	E2EQoS
N3-030694	HSDPA impacts to Go interface	29.208	048		F	Rel-5	HSDPA
N3-030810	Approval of the QoS Commit as a part of the authorization decision	29.208	050	2	F	Rel-5	E2EQoS
N3-030809	Session modification without adding or removing media lines	29.208	051	2	F	Rel-5	E2EQoS

34 CRs AGREED at this meeting

13.5 Other

None.

14 Any other business

Summary of email discussion documents:

[N3-030730](#), [N3-030801](#), [N3-030802](#)

Summary of email APPROVAL documents:

[N3-030796](#), [N3-030797](#), [N3-030798](#), [N3-030826](#), [N3-030792](#), [N3-030800](#)

Details of email APPROVAL procedure:

Wed 5th Nov. All new versions of tdocs to be made available to CN3 email exploder
Sun 23rd Nov Comments may be made to the documents
Tues 25th Nov Revised versions of tdocs to be made available to CN3 email exploder
Thur 27th Nov End of email approval period.

MCC will send out email to inform CN3 about the details of CN3

15 Close of meeting

Norbert closed the 31st CN3 meeting on Friday 31st November at 16:30, and thanked the hosts for the excellent meeting location and arrangements.

He also thanked the CN3 delegates and the MCC support for their active participation in the meeting.

Annex A: List of CN3 Meeting Participants

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24 PARTICIPANTS.

Annex B: List of documents

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030665	2	Agenda	Draft Agenda for CN3#30	CN3 chair							Revised in N3-030678
N3-030666	4.2	Email	Brief notice from CN#21 relevant for CN3	CN3 chair							Noted
N3-030667	4.3	Email	Email with Highlights of CN#21/SA#21	CN Chair							Noted
N3-030668	3	DAD	Allocation of documents to agenda items (at deadline)	CN3 Chair							Noted
N3-030669	3	DAD	Allocation of documents to agenda items (at end of day 1)	CN3 Chair							Noted
N3-030670	3	DAD	Allocation of documents to agenda items (at end of day 2)	CN3 Chair							Noted
N3-030671	3	DAD	Allocation of documents to agenda items (at end of day 3)	CN3 Chair							Noted
N3-030672	3	DAD	Allocation of documents to agenda items (at end of day 4)	CN3 Chair							Noted
N3-030673	3	DAD	Allocation of documents to agenda items (at end of day 5)	CN3 Chair							Noted
N3-030674	4.1	Report	Draft Report from CN3#29	MCC							Approved
N3-030675	12.1	WorkPlan	Latest version of the 3GPP Work Plan	MCC							Noted
N3-030676	12.2	LIST	Status of CN3 Specification following CN#21	MCC							Noted
N3-030677	4.2	Report	Draft Report from CN#21	MCC							Noted
N3-030678	2	Agenda	Draft Agenda for CN3#30	CN3 chair							Approved
N3-030679		LS in	LS on principles for overlapping issues with OMA regarding PoC	TSG SA							Noted
N3-030680		LS in	LS reply on sending the SGSN's MNC and MCC to the GGSN	TSG SA WG5 SB							Noted
N3-030681		LS in	LS on sending the SGSNs MNC and MCC to the GGSN and service node	TSG CN WG4							Noted

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030682		LS in	Reply LS on IMS Session Hold and Resume stage 2 and 3 descriptions	TSG CN WG1							Noted
N3-030683	10.2	CR	Use of response code 500 instead of 503	Nortel Networks	IMS-CCR-IWCS	29.163	001	0	F	Rel-6	Revised in N3-030778
N3-030684	10.2	CR	Autonomous Release at I-MGCF on T7 expiry	Nortel Networks	IMS-CCR-IWCS	29.163	002	0	F	Rel-6	Revised in N3-030788
N3-030685	10.2	CR	Clarification of 487 mapping to 127	Nortel Networks	IMS-CCR-IWCS	29.163	003	0	F	Rel-6	Revised in N3-030779
N3-030686	10.2	CR	Table 12 modifications	Nortel Networks	IMS-CCR-IWCS	29.163	004	0	F	Rel-6	Revised in N3-030780
N3-030687	10.2	CR	Reason Headers	Nortel Networks	IMS-CCR-IWCS	29.163	005	0	F	Rel-6	Withdrawn
N3-030688	10.2	CR	Deletion of COLP/COLR	Nortel Networks	IMS-CCR-IWCS	29.163	006	0	F	Rel-6	POSTPONED until CN3#31
N3-030689	10.2	CR	Change of timer T2 value	Nortel Networks	IMS-CCR-IWCS	29.163	007	0	F	Rel-6	Withdrawn
N3-030690	10.2	Discussion	Summary of misalignments items between 29.163 and Q.1912.5	Nortel Networks							Revised in N3-030789
N3-030691	10.2	Discussion	Gmb interface	Nortel Networks							Withdrawn
N3-030692	10.2	CR	Correction of structure	Nortel Networks	IMS-CCR-IWCS	29.163	008	0	F	Rel-6	Agreed
N3-030693	9.1.2	CR	Introduction of multiple token case in 29.207 in R.6	Nortel Networks	QoS1	29.207	107	0	B	Rel-6	Revised in N3-030804
N3-030694	9.1.3	CR	HSDPA impacts to Go interface	NEC	HSDPA	29.208	048	0	F	Rel-5	Agreed
N3-030695	8.2	Discussion	Inter-network accounting for BS30 based services	T-Mobile							Noted
N3-030696	8.2	CR	Backward signalling of service information between VMSC and GMSC for MTC	T-Mobile, Siemens	Circuit switched Bearer	29.007	089	0	B	Rel-5	Revised in N3-030807
N3-030697	8.2	Discussion	Backwards signalling of service information between VMSC and GMSC for mobile terminated calls	Siemens AG							Noted
N3-030698	9.3	CR	Disconnect Request for Multiple PDP Sessions belonging to a single User	Siemens, Cisco	TEI	29.061	094	1	F	Rel-5	Revised in N3-030776
N3-030699	10.2	Discussion	An analysis of the requirements of the Reason header	Lucent Technologies / Keith Drage							Noted

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030700	9.2	CR	Corrections on HLR interrogation	Ericsson/ NTT DoCoMo	SCUDIF	23.172	019	0	F	Rel-5	Revised in N3-030771
N3-030701	9.3	CR	Updated reference for DHCPv6	Ericsson	TEI	27.060	088	0	F	Rel-5	Agreed
N3-030702	9.3	CR	Unique IPv6 address for a PDP context	Ericsson	TEI	29.061	095	0	F	Rel-5	Revised in N3-030777
N3-030703	8.1	CR	Updated reference for DHCPv6	Ericsson	GPRS	29.061	096	0	F	R99	Revised in N3-030767
N3-030704	8.1	CR	Updated reference for DHCPv6	Ericsson	GPRS	29.061	097	0	A	Rel-4	Revised in N3-030768
N3-030705	9.3	CR	Updated reference for DHCPv6	Ericsson	TEI	29.061	098	0	A	Rel-5	Revised in N3-030769
N3-030706	9.2	CR	Introduction of new handover chapter for SCUDIF	Ericsson	SCUDIF	23.172	020	0	F	Rel-5	Withdrawn
N3-030707	8.2	CR	Missing values in the tree diagrams	Ericsson	CS Data	27.001	104	0	F	R99	Revised in N3-030799
N3-030708	10.3	CR	Failure handling in MGCF	Ericsson	IMS-CCR-Mn	29.163	009	0	F	Rel-6	Revised in N3-030790
N3-030709	10.2	CR	Interworking of user plane	Ericsson	IMS-CCR-IWCS	29.163	010	0	F	Rel-6	Revised in N3-030782
N3-030710	10.2	CR	Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163	Ericsson	IMS-CCR-IWCS	29.163	011	0	F	Rel-6	Revised in N3-030783
N3-030711	10.3	CR	Corrections to clause 9 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	012	0	F	Rel-6	Revised in N3-030791
N3-030712	10.2	CR	Criterion to start Timer Tiw2	Ericsson	IMS-CCR-IWCS	29.163	013	0	F	Rel-6	Revised in N3-030781
N3-030713	10.10	Discussion	Discussion Paper On Internetwork accounting for BS 30 services	Ericsson							Noted
N3-030714	10.3	CR	IM-MGW initiated release	Ericsson	IMS-CCR-Mn	29.163	014	0	F	Rel-6	Revised in N3-030792
N3-030715	9.1.3	CR	HSDPA impacts to Radius	NEC	HSDPA	29.061	099	0	F	Rel-5	Revised in N3-030774
N3-030716	9.1.2	CR	Clarification on the identification of the source address and the destination address for the gate function	Orange	E2EQoS	29.207	108	0	F	Rel-5	Withdrawn
N3-030717	9.1.3	CR	Removal of media component vs putting media on hold	Orange	E2EQoS	29.208	049	0	F	Rel-5	Revised in N3-030808

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030718	9.1.3	CR	Approval of the QoS Commit as a part of the authorization decision for early media	Orange	E2EQoS	29.208	050	0	F	Rel-5	Revised in N3-030772
N3-030719	10.2	CR	Alignment of TS 29.163 with the ITU-T recommendation Q.1912.5	Orange	IMS-CCR-IWCS	29.163	015	0	F	Rel-6	Revised in N3-030787
N3-030720	10.4	Discussion	Requirements for the Gq interface and choice of the protocol	Orange							Noted
N3-030721	9.2	CR	CAMEL interactions with SCUDIF calls	Ericsson	SCUDIF	23.172	021	0	F	Rel-5	Revised in N3-030766
N3-030722	10.10	Discussion	Terminology in TS 24.022	Ericsson							Noted
N3-030723	10.10	CR	Terminology clarification	Ericsson	CS Data	24.022	013	0	F	Rel-6	Revised in N3-030805
N3-030724	10.3	CR	Corrections to table 29 and 30 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	016	0	F	Rel-6	Revised in N3-030793
N3-030725	10.2	CR	Editorial changes to TS 29.163	Ericsson	IMS-CCR-IWCS	29.163	017	0	F	Rel-6	Withdrawn
N3-030726	9.1.3	CR	Session modification without adding or removing media lines	Nokia	E2EQoS	29.208	051	0	F	Rel-5	Revised in N3-030773
N3-030727	10.2	CR	Mapping of unknown cause code values	Nokia	IMS-CCR-IWCS	29.163	018	0	F	Rel-6	Revised in N3-030784
N3-030728	10.2	CR	Interworking (overlap to en block conversion) timer corrections	Nokia	IMS-CCR-IWCS	29.163	019	0	F	Rel-6	Merged with 0712 into 0781
N3-030729	10.4	[CR]	Gq messages	Nokia	QoS1	29.209				Rel-6	Revised in N3-030801
N3-030730	10.4	[CR]	Gq attributes	Nokia	QoS1	29.209				Rel-6	email discussion
N3-030731	10.4	[CR]	Usage of Gq messages	Nokia	QoS1	29.209				Rel-6	Revised in N3-030802
N3-030732	10.4	CR	Gq interface impacts on TS29.207	Nokia	QoS1	29.207	109	0	F	Rel-6	Revised in N3-030796
N3-030733	10.4	CR	Gq interface impacts on signalling flows	Nokia	QoS1	29.208	052	0	F	Rel-6	Revised in N3-030798
N3-030734	10.4	CR	Gq interface impacts on QoS parameter mapping definitions	Nokia	QoS1	29.208	053	0	F	Rel-6	Revised in N3-030800
N3-030735	10.4	CR	Changing term SDP to SDI	Nokia	QoS1	29.207	110	0	F	Rel-6	Revised in N3-030797

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030736	10.9	Discussion	WLAN access vs. TS 29.061	Nokia							email discussion
N3-030737	10.3	CR	User plane interworking	Ericsson	IMS-CCR-Mn	29.163	020	0	F	Rel-6	Withdrawn
N3-030738	10.2	CR	Addition of References	Siemens	IMS-CCR-IWCS	29.163	021	0	F	Rel-6	Revised in N3-030785
N3-030739	10.2	CR	Handling of closed used group supplementary service	Siemens	IMS-CCR-IWCS	29.163	022	0	F	Rel-6	Revised in N3-030763
N3-030740	10.3	CR	Corrections on Section 9.2.8 Handling of RTP telephony events	Siemens	IMS-CCR-IWCS	29.163	023	0	F	Rel-6	Revised in N3-030794
N3-030741	10.3	CR	Wrong Mn Procedure in Figure 36	Siemens	IMS-CCR-IWCS	29.163	024	0	B	Rel-6	Agreed
N3-030742	10.2	CR	Interworking of Hold/Resume from the CS Network	Siemens	IMS-CCR-IWCS	29.163	025	0	B	Rel-6	Revised in N3-030815
N3-030743	10.2	Discussion	Impact of Forking	Siemens							Noted
N3-030744	10.3	CR	Impact of Forking on Mn procedures	Siemens	IMS-CCR-IWCS	29.163	026	0	F	Rel-6	POSTPONED until CN3#31
N3-030745	10.2	CR	Impact of Forking on Incoming call interworking	Siemens	IMS-CCR-IWCS	29.163	027	0	F	Rel-6	POSTPONED until CN3#31
N3-030746	10.2	CR	Impact of Forking on Outgoing call interworking	Siemens	IMS-CCR-IWCS	29.163	028	0	F	Rel-6	POSTPONED until CN3#31
N3-030747	10.2	CR	Impact of Forking on COLP supplementary service	Siemens	IMS-CCR-IWCS	29.163	029	0	F	Rel-6	POSTPONED until CN3#31
N3-030748	10.2	Discussion	Interaction of Forking and Early Media	Siemens							Noted
N3-030749	10.7	Discussion	Choice of Gmb Protocol	3							Withdrawn
N3-030750	10.7	CR	Introducing MBMS	3	MBMS	29.061	100	0	B	Rel-6	Withdrawn
N3-030751	10.7	CR	More MBMS Additions	3	MBMS	29.061	101	0	B	Rel-6	Withdrawn
N3-030752	8.1	Discussion	IMEISV passed on the RADIUS interface	Vodafone							Noted
N3-030753	8.1	Discussion	TFT passed on the RADIUS interface	Vodafone							Noted

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030754	8.2	CR	Correction termination Properties of Transparent CSD MGW	Huawei	OuBTC	29.007	090	0	F	Rel-4	POSTPONED until CN3#31
N3-030755	8.2	CR	Indicating the A/u law to MGW	Huawei	OuBTC	29.007	091	0	F	Rel-4	Withdrawn
N3-030756	9.3	CR	Correction termination Properties of Transparent CSD MGW	Huawei	OuBTC	29.007	092	0	F	Rel-5	POSTPONED until CN3#31
N3-030757	9.3	CR	Indicating the A/u law to MGW	Huawei	OuBTC	29.007	093	0	F	Rel-5	Withdrawn
N3-030758	10.2	Discussion	29.163 to reference Q.1912.5	Nortel Networks							Noted
N3-030759	9.1.2	CR	Source addresses in packet classifiers	Nokia	E2EQoS	29.207	111	0	F	Rel-5	Revised in N3-030770
N3-030760	9.1.2	CR	Media authorization with forking	Nokia	E2EQoS	29.207	112	0	F	Rel-5	Withdrawn
N3-030761	9.1.3	CR	SDP to policy setup information at PDF	Nokia	E2EQoS	29.208	054	0	F	Rel-5	Withdrawn
N3-030762	10.10	CR	QoS commit in Rel-6	Nokia	E2EQoS	29.208	055	0	F	Rel-6	POSTPONED until CN3#31
N3-030763	10.2	CR	Handling of closed used group supplementary service	Siemens	IMS-CCR-IWCS	29.163	022	1	F	Rel-6	Revised in N3-030786
N3-030764	9.1.3	Discussion	Comments on Session modification without adding or removing media lines	Siemens							Noted
N3-030765		LS in	Principles for overlapping issues with OMA regarding PaC	OMA Req WG							Noted
N3-030766	9.2	CR	CAMEL interactions with SCUDIF calls	Ericsson	SCUDIF	23.172	021	1	F	Rel-5	Agreed
N3-030767	8.1	CR	Updated reference for DHCPv6	Ericsson	GPRS	29.061	096	1	F	R99	Agreed
N3-030768	8.1	CR	Updated reference for DHCPv6	Ericsson	GPRS	29.061	097	1	A	Rel-4	Agreed
N3-030769	9.3	CR	Updated reference for DHCPv6	Ericsson	TEI	29.061	098	1	A	Rel-5	Agreed
N3-030770	9.1.2	CR	Source addresses in packet classifiers	Nokia	E2EQoS	29.207	111	1	F	Rel-5	Agreed
N3-030771	9.2	CR	Corrections on HLR interrogation	Ericsson/ NTT DoCoMo	SCUDIF	23.172	019	1	F	Rel-5	Agreed

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030772	9.1.3	CR	Approval of the QoS Commit as a part of the authorization decision for early media	Orange	E2EQoS	29.208	050	1	F	Rel-5	Revised in N3-030810
N3-030773	9.1.3	CR	Session modification without adding or removing media lines	Nokia	E2EQoS	29.208	051	1	F	Rel-5	Revised in N3-030809
N3-030774	9.1.3	CR	HSDPA impacts to Radius	NEC	HSDPA	29.061	099	1	F	Rel-5	Agreed
N3-030775	9.1	LS out	LS OUT "Session modification without adding or removing media lines"	CN3							Revised in N3-030811
N3-030776	9.3	CR	Disconnect Request for Multiple PDP Sessions belonging to a single User	Siemens, Cisco	TEI	29.061	094	2	F	Rel-5	Agreed
N3-030777	9.3	CR	Unique IPv6 address for a PDP context	Ericsson	TEI	29.061	095	1	F	Rel-5	Agreed
N3-030778	10.2	CR	Use of response code 500 instead of 503	Nortel Networks	IMS-CCR-IWCS	29.163	001	1	F	Rel-6	Agreed
N3-030779	10.2	CR	Clarification of 487 mapping to 127	Nortel Networks	IMS-CCR-IWCS	29.163	003	1	F	Rel-6	Agreed
N3-030780	10.2	CR	Table 12 modifications	Nortel Networks	IMS-CCR-IWCS	29.163	004	1	F	Rel-6	Revised in N3-030812
N3-030781	10.2	CR	Criterion to start Timer Tiw2	Ericsson	IMS-CCR-IWCS	29.163	013	1	F	Rel-6	Agreed
N3-030782	10.2	CR	Interworking of user plane	Ericsson	IMS-CCR-IWCS	29.163	010	1	F	Rel-6	Agreed
N3-030783	10.2	CR	Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163	Ericsson	IMS-CCR-IWCS	29.163	011	1	F	Rel-6	Revised in N3-030823
N3-030784	10.2	CR	Mapping of unknown cause code values	Nokia	IMS-CCR-IWCS	29.163	018	1	F	Rel-6	Agreed
N3-030785	10.2	CR	Addition of References	Siemens	IMS-CCR-IWCS	29.163	021	1	F	Rel-6	Revised in N3-030813
N3-030786	10.2	CR	Handling of closed used group supplementary service	Siemens	IMS-CCR-IWCS	29.163	022	2	F	Rel-6	Revised in N3-030814
N3-030787	10.2	CR	Alignment of TS 29.163 with the ITU-T recommendation Q.1912.5	Orange	IMS-CCR-IWCS	29.163	015	1	F	Rel-6	Agreed
N3-030788	10.2	CR	Autonomous Release at I-MGCF on T7 expiry	Nortel Networks	IMS-CCR-IWCS	29.163	002	1	F	Rel-6	Agreed
N3-030789	10.2	Discussion	Summary of misalignments items between 29.163 and Q.1912.5	Nortel Networks							email discussion

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030790	10.3	CR	Failure handling in MGCF	Ericsson	IMS-CCR-Mn	29.163	009	1	F	Rel-6	Agreed
N3-030791	10.3	CR	Corrections to clause 9 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	012	1	F	Rel-6	Revised in N3-030816
N3-030792	10.3	CR	IM-MGW initiated release	Ericsson	IMS-CCR-Mn	29.163	014	1	F	Rel-6	email approval
N3-030793	10.3	CR	Corrections to table 29 and 30 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	016	1	F	Rel-6	Agreed
N3-030794	10.3	CR	Corrections on Section 9.2.8 Handling of RTP telephony events	Siemens	IMS-CCR-IWCS	29.163	023	1	F	Rel-6	Revised in N3-030817
N3-030795	10.4	LS out	LS out to SA2 and SA3 on Security concerns of DIAMETER over Gq interface	CN3							Revised in N3-030825
N3-030796	10.4	CR	Gq interface impacts on TS29.207	Nokia	QoS1	29.207	109	1	F	Rel-6	email approval
N3-030797	10.4	CR	Changing term SDP to SDI	Nokia	QoS1	29.207	110	1	F	Rel-6	email approval
N3-030798	10.4	CR	Gq interface impacts on signalling flows	Nokia	QoS1	29.208	052	1	F	Rel-6	email approval
N3-030799	8.2	CR	Incomplete tree diagrams	Ericsson	CS Data	27.001	104	1	F	R99	Agreed
N3-030800	10.4	CR	Gq interface impacts on QoS parameter mapping definitions	Nokia	QoS1	29.208	053	1	F	Rel-6	Revised in N3-030821
N3-030801	10.4	[CR]	Gq messages	Nokia	QoS1	29.209		1		Rel-6	email discussion
N3-030802	10.4	[CR]	Usage of Gq messages	Nokia	QoS1	29.209		1		Rel-6	email discussion
N3-030803			nokia cn4 doc thingy								Noted
N3-030804	9.1.2	CR	Introduction of multiple token case in 29.207 in R.6	Nortel Networks	QoS1	29.207	107	1	B	Rel-6	Revised in N3-030826
N3-030805	10.10	CR	Terminology clarification	Ericsson	CS Data	24.022	013	1	F	Rel-5	Agreed
N3-030806		LS out	LS on Inter-network accounting for BS30 based services such as video telephony	CN3							Revised in N3-030819
N3-030807	8.2	CR	Backward signalling of service information between VMSC and GMSC for MTC	T-Mobile, Siemens	Circuit switched Bearer	29.007	089	1	B	Rel-5	Revised in N3-030818

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030808	9.1.3	CR	Removal of media component vs putting media on hold	Orange	E2EQoS	29.208	049	1	F	Rel-5	email discussion POSTPONED CN3#31
N3-030809	9.1.3	CR	Session modification without adding or removing media lines	Nokia	E2EQoS	29.208	051	2	F	Rel-5	Agreed
N3-030810	9.1.3	CR	Approval of the QoS Commit as a part of the authorization decision for early media	Orange	E2EQoS	29.208	050	2	F	Rel-5	Agreed
N3-030811	9.1	LS out	LS OUT "Session modification without adding or removing media lines"	CN3							Approved
N3-030812	10.2	CR	Table 12 modifications	Nortel Networks	IMS-CCR-IWCS	29.163	004	2	F	Rel-6	Agreed
N3-030813	10.2	CR	Addition of References	Siemens	IMS-CCR-IWCS	29.163	021	2	F	Rel-6	Agreed
N3-030814	10.2	CR	Handling of closed used group supplementary service	Siemens	IMS-CCR-IWCS	29.163	022	3	F	Rel-6	Agreed
N3-030815	10.2	CR	Interworking of Hold/Resume from the CS Network	Siemens	IMS-CCR-IWCS	29.163	025	1	B	Rel-6	Agreed
N3-030816	10.3	CR	Corrections to clause 9 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	012	2	F	Rel-6	Revised in N3-030824
N3-030817	10.3	CR	Corrections on Section 9.2.8 Handling of RTP telephony events	Siemens	IMS-CCR-IWCS	29.163	023	2	F	Rel-6	Agreed
N3-030818	8.2	CR	Backward signalling of service information between VMSC and GMSC for MTC	T-Mobile, Siemens	Circuit switched Bearer	29.007	089	2	B	Rel-5	Revised in N3-030820
N3-030819		LS out	LS on Inter-network accounting for BS30 based services such as video telephony	CN3							Revised in N3-030822
N3-030820	8.2	CR	Backward signalling of service information between VMSC and GMSC for MTC	T-Mobile, Siemens	Circuit switched Bearer	29.007	089	3	B	Rel-5	Revised in N3-030821
N3-030821	8.2	CR	Backward signalling of service information between VMSC and GMSC for MTC	T-Mobile, Siemens	Circuit switched Bearer	29.007	089	4	B	Rel-5	Agreed
N3-030822		LS out	LS on Inter-network accounting for BS30 based services such as video telephony	CN3							Revised in N3-030828
N3-030823	10.2	CR	Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163	Ericsson	IMS-CCR-IWCS	29.163	011	2	F	Rel-6	Agreed
N3-030824	10.3	CR	Corrections to clause 9 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	012	3	F	Rel-6	Revised in N3-030827
N3-030825	10.4	LS out	LS out to SA2 and SA3 on Security concerns of DIAMETER over Gq interface	CN3							Revised in N3-030830

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030826	9.1.2	CR	Introduction of multiple token case in 29.207 in R.6	Nortel Networks	QoS1	29.207	107	2	B	Rel-6	email approval
N3-030827	10.3	CR	Corrections to clause 9 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	012	4	F	Rel-6	Revised in N3-030829
N3-030828		LS out	LS on Inter-network accounting for BS30 based services such as video telephony	CN3							Approved
N3-030829	10.3	CR	Corrections to clause 9 of TS 29.163	Ericsson	IMS-CCR-Mn	29.163	012	5	F	Rel-6	Agreed
N3-030830	10.4	LS out	LS out to SA2 and SA3 on Security concerns of DIAMETER over Gq interface	CN3							Approved

166 documents treated at this meeting

History:

Document History	
4 th November 2003	<p>DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list.</p> <p>Comments, if any, to be addressed to: David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secretariat Tel :+33 (0)4 92 94 42 78 e-mail: david.boswarthick@ETSI.org</p> <p>A deadline of 2 weeks was given to the CN3 delegates for e-mail comments on the draft report.</p> <p style="text-align: center;">Comments back by 20th November</p>
2 nd Feb 2004	Updated DRAFT v2.0.0 placed to the server
xxx	N3-030 [v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#30 meeting. Updated to N3-030xyz and placed to the server as v3.0.0.