Third Generation Partnership Project

Meeting Report v3.0.0
for
3GPP TSG CN WG 3
Meeting #31

Atlanta, USA
16th - 20th February 2004.

Hosted by

North American Friends

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1. Opening of the Meeting

The 31st CN3 meeting took place from 16th - 20th February 2004, in Atlanta, U.S.A.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday and welcomed the CN3 delegates on behalf of the hosts. He explained the logistics of the meeting and introduced the replacement secretary, Mrs Karen Hughes.

2 Approval of the agenda

N3-040001: **CN3#31 Draft Meeting Agenda, source CN3 Chairman.**

CONTENT: Contains the draft agenda for CN3#31 Meeting.

RESULT: The document was **REVISED to 0010 BEFORE PRESENTATION.**

ß REVISED ß

N3-040010: **CN3#31 Draft Meeting Agenda, source CN3 Chairman.**

RESULT: The document was **REVISED to 0021 BEFORE PRESENTATION.**

ß REVISED ß

N3-040021: **CN3#31 Draft Meeting Agenda, source CN3 Chairman.**

RESULT: The Agenda was **APPROVED.**

3 Registration of documents

N3-040002: **Allocation of documents to agenda items (at deadline), source CN3 Chairman.**

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

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

N3-040003: **Allocation of documents to agenda items (at start of day 1), source CN3 Chairman.**

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

N3-040004: **Allocation of documents to agenda items (at end of day 1), source CN3 Chairman.**

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

N3-040005: **Allocation of documents to agenda items (at end of day 3), source CN3 Chairman.**

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

N3-040006: **Allocation of documents to agenda items (at end of day 4), source CN3 Chairman.**

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

N3-040007: **Allocation of documents to agenda items (at end of day 5), source CN3 Chairman.**

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

4 Reports

4.1 Report of last CN3 Meeting

N3-0400019: **CN3#30 Draft Meeting Report, source MCC.**

CONTENT: Contains the draft meeting report for the CN3#30 (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

N3-040008: **Brief notice from CN#22 relevant for CN3, source CN3 Chairman.**

CONTENT: Contains the email from CN3 chair to CN3 email exploder containing hi-lights of CN#22.

RESULT: The document was **NOTED.**

N3-040020: **CN#22 Draft Meeting Report, source MCC.**

CONTENT: Presented only for information

RESULT: The document was **NOTED.**

N3-040009: **Email on Highlights of CN#22/SA#22, source CN Chairman.**

CONTENT: Contains the email from CN chair to CN email exploder containing hi-lights of TSG#22.

DISCUSSION: The future meeting dates mentioned in this document are not correct.

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/Ipr/).

6 Items for immediate consideration

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

No input to this agenda item.

7　Received Liaison Statements

N3-040011　**LS on SBLP handling of Session modification without adding or removing media lines,CN1**

RESULT:　　The document was **REVISED to 0025 BEFORE PRESENTATION.**

ß REVISED ß

N3-040025　**LS on SBLP handling of Session modification without adding or removing media lines, CN1.**

CONTENT:　In this response LS, CN1 informs CN3 that of the following.

- CN1 has agreed that PDP contexts should not be modified when bi-directional media is made uni-directional.

- CN1 proposes that the procedures in RFC3264 shall be followed for putting media components on hold.

- CN1 suggests that when bi-directional media is changed to 'sendonly' or 'inactive', the gate shall be closed at the GGSN.

- CN1 feels that modifying PDP contexts when media is made uni-directional is fraught with difficulties:

- There is no pre-determined way for the network to discover how long the media will be uni-directional for.

- The PDP context modification procedure can take some time. What happens if the media is only held for a few seconds and then the user wishes to return to having bi-directional media? The 'resume' may not be able to take place immediately, as the PDP context is still being modified to suit the 'hold' state.

- CN1 believes that leaving PDP contexts unmodified for bidirectional media becoming uni-directional should not cause any problems for operators

DISCUSSION:　It was agreed that CN3 should follow the CN1 proposal and further information on the implementation is available in documents N3-040029, N3-040030 and N3-040031.

RESULT:　　The document was **NOTED.**

N3-04012　**LS on CS interconnect accounting for multi-media services e.g. videotelephony, SA1.**

CONTENT:　In this LS, SA1 provide GSMA SerG with a feedback on the high level operator requirement on the capability to identify user rate and protocol at the point of interconnection for settling inter-network accounts.

DISCUSSION:　Some concerns were expressed over the use of the text 'User Protocol' in 22.115, however it was agreed that it should remain.

RESULT:　　The document was **NOTED.**

N3-040013　**Re. LS on security implications of Gq interface, SA2.**

CONTENT:　SA2 provide the following guidance to CN3:

- 3GPP specifications only cover AFs within operator PLMNs, or other trusted domains such as GSMA. Use of AFs outside of these domains are operator specific and outside the scope of 3GPP standardization.

- Support of untrusted proxies is not required. Furthermore, SA2 strongly recommends against the use of an untrusted proxy agent.

DISCUSSION:　It was decided to deal with document N3-040018 (LS from SA3 on the security of the Diameter protocol for the Gq interface) before taking any decision on this LS. Later in the meeting it was agreed that only the use of trusted proxies is required.

RESULT: The document was **NOTED**

N3-040018 **Re. LS on security of the Diameter protocol for the Gq interface, SA3.**

CONTENT: In this LS, SA3 recommends the use of NDS/IP (TS 33.210) for providing the necessary security for the Gq interface.

NDS/IP provides security within the 3GPP domain. For any interface to an external party outside of the 3GPP domain, the operator and the external party need to agree on sufficient security mechanisms. Thus, if an operator allows its PDF to interface AF(s) outside its domain, security measures and agreed principles should be in place between the PDF and AF. In case of Diameter, these include the use of TLS or IPsec between the AF and the PDF.

Intermediate un-trusted proxies should not be used when applying NDS/IP for inter-domain security.

The Diameter CMS Security Application Internet Draft has not been identified as a dependency between 3GPP and IETF, and no work in SA3 is currently dependant of this draft.

DISCUSSION: It was decided that the Diameter CMS Security Application Internet Draft should not be listed in the dependency table as CN3 have agreed that untrusted proxies should not be supported. CN3 also decided to use the Diameter protocol for the Gq interface.

RESULT: The document was **NOTED.**

N3-040014 **LS on RTP / RTCP split TSG SA2.**

CONTENT: In this LS, SA2 inform CN3 of their understanding of the Release 5 Stage 3 specifications:

- The Flow Identifiers supplied by the UE are capable of indicating RTP and RTCP flows separately

- The algorithm for deriving the authorised bandwidth at the PDF considers RTP and RTCP separately

- Current description of the 'policing' of the UE's choice of IP Flow to PDP Context mapping at the PDF in 29.208 is only based on the 'Keep It Separate' indicator

- in Annex A (informative) of 29.208, following sentence can be found "Each pack of IP flow(s) described by a media component must all be carried on the same PDP context" but no enforcement of this policy is described in the document.

SA2 request confirmation whether this understanding is correct.

SA2 request CN3's opinion whether there are procedures that are missing / do not work if RTP and RTCP are sent over different PDP contexts.

DISCUSSION: It was agreed that CN3 would draft a reply to SA2 answering their questions and clarifying stage 3 specifications **(Re. LS contained in - N3-040084).**

RESULT: The document was **NOTED.**

N3-040084 **LS reply to RTP / RTCP split, to SA2; cc CN1, source CN3.**

DISCUSSION: The SRF indicator is optional and this should be clarified in the LS. In the paragraph Annex A. 29.209, the sentence *but no enforcement of this policy is described in the document.* may be found a number of times in this document. CN3 will correct this sentence so that it will be appropriate for inclusion in an informative annex.

RESULT: The document was **REVISED to 0111.**

ß REVISED ß

N3-040111 **LS reply to RTP / RTCP split, to SA2; cc CN1,**

RESULT: The document was **APPROVED**

N3-040015   **Re. LS on "Interworking of PSTN-initiated hold and resume supplementary service at the MGCF and IM-MGW", SA2.**

CONTENT: The LS contains a CR which adds a call flow for a mobile-terminated "Hold and Resume" of a Mobile-PSTN Session to TS 23.228.
SA2 hopes that the CR provides the requested guidance to CN3 for the stage 3 work.

RESULT: The document was **NOTED.**

N3-040016   **LS on the use of GTP for WLAN-GPRS interworking TSG SA2.**

CONTENT: Contains a discussion document on the feasibility of terminating WLAN traffic in GGSN when accessing 3G PS domain services, in addition to the currently documented architecture of accessing 3G PS services directly off the PDG.

CN3 and CN4 are requested to provide guidance to SA2.

DISCUSSION: The only items of interest to CN3 are the 4th item on QoS and 7th item on GGSN. It was agreed that changes to the GGSN interface was necessary. It was further agreed that CN3 should list issues which are not clear and reply. Juha Rasanen (Nokia) to draft the response to SA2 cc CN4 in **(re. LS contained in N3-040081).**

RESULT: The document was **NOTED.**

N3-040081   **LS on the use of GTP for WLAN-GPRS interworking to SA2 cc CN4, source CN3.**

CONTENT: Gn interface based solution for WLAN Access proposed by SA2

DISCUSSION: First part of text needs to be removed as it is not relevant to the original LS. There is a potential architectural impact. Bullet point 7 also needs to be addressed. Editorial updates also needed.

RESULT: The document was **REVISED to 0110.**

ß REVISED ß

N3-040110   **LS on the use of GTP for WLAN-GPRS interworking to SA2 cc CN4**

DISCUSSION: Decided to withdraw this LS as there is not really any information.

RESULT: The document was **WITHDRAWN.**

N3-040017   **LS on IP Flow Based Bearer Level Charging TSG SA2**

CONTENT: The LS contains a CR and the request from SA2 for CN2,3 and 4 to begin the stage3 work on "IP Flow Based Charging".

DISCUSSION: Two contributions have been received from Vodafone Group plc. These are N3-040022 and N3-040023 which will be discussed under agenda item 10.8.

RESULT: The document was **NOTED.**

N3-040076   **Reply LS to SG 11 on Signalling Requirements for IP-QoS, ITU-T SG 16**

DISCUSSION: It was decided to ask SA2 to reply to this LS. CN3 will check to ensure that SA2 have also received the LS from ITU-T SG16.

RESULT: The document was **NOTED.**

N3-040109   **LS on multiple IMS sessions using the same PDF Context , Source; SA2**

CONTENT: 3GPP TSG-SA WG2 would like to kindly inform CN3 and CN1 that it has decided to remove the assumption that media components from multiple IMS sessions are not carried in the same PDP Context. Hence, in Release 6 it is allowed to bundle media components from different IMS sessions into the same PDP Context.

SA2 would like to kindly ask CN3 to point out possible impacts regarding Service-Based Local Policy mechanisms when media components from different IMS sessions are bundled in the same PDP Context

DISCUSSION: Does it impact the coding of the binding information at the GPRS level. Study the impact on CN3 specifications until next meeting. Could this be discussed via email. clarify the issue as much as possible via email Action for Juha Rasanen Nokia

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

8 Release 4 and earlier

NOTE: Release 4 (and earlier) has been <u>Functionally Frozen</u>.

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

No input to this agenda item.

8.2   Circuit switched Bearer Services [GPRS]

No input to this agenda item.

8.3   Bearer Independent Circuit switched Core network [CS Data]

No input to this agenda item.

8.4   Technical Enhancements & Improvements [TEI]

No input to this agenda item.

9 Release 5

NOTE: Release 5 has been <u>Functionally Frozen</u>.

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]

N3-040029   **Discussion: SBLP handling of Session modification, Nortel Networks.**

CONTENT: Presents the possible contradictions were found in TS 29.207 with respect to bidirectional media components that are modified to become unidirectional.

Offers three scenarios:

- The terminal wants to change a bidirectional to a unidirectional media permanently. This is done by changing sendrecv to sendonly or recvonly.

- The terminal wants to put media on hold and uses the "inactive" attribute

- The terminal wants to put media on hold and change sendrecv to sendonly/recvonly (allowed by RFC 3264)

Nortel present three possible solutions and recommend Solution 3: When bidirectional media is changed to unidirectional regardless of the intention of this change (i.e. permanent modification of the media, or putting media on hold), only close de gate for that direction. Related CRs are contained in N3-040030 and N3-040031.

DISCUSSION: CN3 have no problem with the CN1 suggestions and accept the proposal from Nortel Networks which is in line with the third solution offered by CN1.

RESULT: The document was **NOTED.**

N3-040030   **CR 29.207: Session modification when a bidirectional media is done unidirectional, Nortel Networks.**

CONTENT: Provides changes to 29.207 that implement "Solution 3" outlined in the discussion paper (N3-040029).This solution consists in when bidirectional media is changed to unidirectional regardless of the intention of this change (i.e. permanent modification of the media, or putting media on hold), only close de gate for that direction, and not generate a unsolicited authorization decision towards the GGSN.

DISCUSSION: Request to simplify the text. Remove the "other comments" from the cover sheet.

RESULT: The document was **REVISED to 0082.**

ß Revised ß

N3-040082   **CR 29.207: Session modification when a bidirectional media is done unidirectional, Nortel Networks.**

DISCUSSION: Siemens requested the removal of the text : *and if the new resultant QoS doesn't exceed the previously authorized QoS for that PDP context,*. Ericsson requested that the second paragraph be clarified further.

RESULT: The document was **REVISED to 0116.**

ß Revised ß

N3-040116   **CR 29.207: Session modification when a bidirectional media is done unidirectional, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040031   **CR 29.208: Session modification when a bidirectional media is done unidirectional, Nortel Networks.**

CONTENT: Provides changes to 29.208 that implement "Solution 3" outlined in the discussion paper (N3-040029).This solution consists in when bidirectional media is changed to unidirectional regardless of the intention of this change (i.e. permanent modification of the media, or putting media on hold), only close de gate for that direction, and not generate a unsolicited authorization decision towards the GGSN.

DISCUSSION: Remove the text under Other comments. Check for spelling errors.

RESULT: The document was **REVISED to 0083.**

ß REVISED ß

N3-040083 **CR 29.208: Session modification when a bidirectional media is done unidirectional, Nortel Networks.**

DISCUSSION: Request to simplify the note 1.

RESULT: The document was **REVISED to 0117.**

ß REVISED ß

N3-040117 **CR 29.208: Session modification when a bidirectional media is done unidirectional, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040032 **Discussion: RTP/RTCP split, Nortel Networks.**

CONTENT: Examines the issue of RTP/RTCP split. SA2 have advised that the Stage 3 mechanisms needed to support a R6 UE which attempted to separate RTP and RTCP flows appear to be in place in Release 5.

The discussion paper verifies the SA2 stated understanding of the Stage 3 IMS specifications (as contained in the LS N3-040014)

DISCUSSION: No need to change Rel-5 on this issue. Keep it open for Rel-6. Alcatel/Nortel Network to use this document in order to draft LS to SA2.

RESULT: The document was **NOTED**

N3-040070 **Discussion: RTP/RTCP split, Nokia.**

CONTENT: The issue of separating the RTP and RTCP in their own PDP contexts or Radio Access Bearers is still open between SA2 and the RAN groups 2 and 3. RAN2 requests clarification to several questions on the issue from SA2, refer to the attached liaison statements exchanged between those groups.

Nokia requested that CN3 refrain from making any related changes to its specifications until the issue is clarified in SA2.

DISCUSSION: Agreed not to change the CN3 specifications and to wait for the solution of open issues between RAN and SA2. It was agreed to draft a reply LS to SA2 using N3-040032 as a basis considering also the requirements from N3-040070 **(N3-040084 draft reply to N3-040014)**.

RESULT: The document was **NOTED.**

N3-040034 **CR 29.207: Clarification on handling forking responses, Nokia, Ericsson.**

CONTENT: The CR replaces the term SDP message with SDP offer/answer pair. Forking indication between P-CSCF and PDF has been removed. The logic of combining the agreed SDP parameters has been moved from the PDF to the P-CSCF. It has been clarified that the resources agreed in the early dialog confirmed by a final response will be authorised.

DISCUSSION: Siemens expressed concerns that the work on this CR is premature. It was agreed to postpone this document to the next meeting. Nortel Networks, Siemens and Ericsson would like to be involved in an email discussion on this matter.

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

N3-040035   **CR 29.207: Clarification on handling forking responses, Nokia, Ericsson.**

CONTENT: The CR removes Subclause 5.2.2.

DISCUSSION: Siemens expressed concerns that the work on this CR is premature. It was agreed to postpone this document to the next meeting. Nortel Networks, Siemens and Ericsson would like to be involved in an email discussion on this matter

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

N3-040036   **CR 29.209: Clarification on handling forking responses, Nokia, Ericsson.**

CONTENT: Adds a new subclause that provides clarification on handling forking responses.

DISCUSSION: Siemens expressed concerns that the work on this CR is premature. It was agreed to postpone this document to the next meeting. Nortel Networks, Siemens and Ericsson would like to be involved in an email discussion on this matter

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

N3-040053   **CR 29.207: PDP context modification without binding information, Siemens.**

CONTENT: Makes changes that allow a PDP context modification without binding information in case of a QoS reduction.

DISCUSSION: Agreed to reformulate the changes so that the CR is applicable to this case only. Nokia raised concerns about the restrictions set. Nokia suggest postponing this document until the next meeting. Siemens will request a new tdoc number for the next meeting.

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

N3-040054   **CR 29.207: Mapping tables for streaming services, Siemens.**

RESULT: The document was **WITHDRAWN BEFORE PRESENTATION.**

N3-040055   **CR 29.207: Traffic handling priority in the mapping tables, Siemens.**

RESULT: The document was **WITHDRAWN BEFORE PRESENTATION.**

N3-040065   **CR 29.208: Removal of media component, Orange.**

CONTENT: This CR completes the procedure at media component removal to precise that an operator timer shall be set at the PDF and that if the UE has not modify or delete the corresponding PDP context before the expiration of the timer, the PDF shall request to the GGSN the deactivation of the PDP context.

DISCUSSION: Contradiction with similar CR to 29.207 which relates to Rel-6. Discussion related to whether or not this was a functional change or a correction. Nortel propose the same modification for both Rel-5 and Rel-6. Agreed that it was an essential correction therefore the modification should be in line with that proposed for Rel-6.

RESULT: The document was **WITHDRAWN.**

N3-040067   **CR 29.208: Mapping tables for streaming services, Siemens.**

CONTENT: Extends the rule for the decision about the type of service by a check if all media IP flows of type "audio" and "video" are unidirectional. Furthermore, the notes are updated by replacing maximum authorized QoS/traffic class with the term introduced with the rule for the type of service decision, i.e. MaxClassDerivation/MaxService.

RESULT: The document was **AGREED.**

N3-040068	**CR 29.208: Traffic handling priority in the mapping tables, Siemens.**
CONTENT:	The CR adds the traffic handling priority to the mapping rules in the GGSN and the UE.
DISCUSSION:	This information is also available in 29.207 4.3.1.1 where it is not mandatory. Here it is mandatory so the same information is in both specs but mandatory in one and optional in the other. Siemens will provide a CR to 29.207, in order to change the information to mandatory not optional (N3-040118). Proposed to put a full stop after the UE in section 7.2.2 and to split the sentence into two.
RESULT:	The document was **REVISED to 0132.**

ß REVISED ß

N3-040132	**CR 29.208: Traffic handling priority in the mapping tables, Siemens.**
RESULT:	The document was **AGREED.**

N3-040118	**CR 29.207: Traffic handling priority in the mapping tables, Siemens.**
CONTENT:	Mandatory Traffic handling priority.
DISCUSSION:	Link to related CR for 29.208 is necessary under "other specs affected".
RESULT:	The document was **REVISED to 0131.**

ß REVISED ß

N3-040131	**CR 29.207: Traffic handling priority in the mapping tables, Siemens.**
RESULT:	The document was **AGREED.**

9.2   Service change and UDI fall back [SCUDIF]

N3-040037	**CR 23.172: SCUDIF corrections for CAMEL interworking, Nokia**
CONTENT:	CR proposes that CSE/SCP may create legs but each call shall have only one outgoing leg in total, if the multimedia is preferred or selected.
DISCUSSION:	Ericsson proposed to add the following text: "If the call is a multimedia call or may become a multimedia call the SCP will not carry out any intervention" to be added to both CAMEL Stage 1 and SCUDIF Stage 2. This text was agreed. CN3 will handle the CRs for 23.172 and CN2 will handle CRs for 23.078 'interaction with call party handling is only allowed when the call is a speech call and can not
RESULT:	The document was **REVISED to 0087.**

ß REVISED ß

N3-040087	**CR 23.172: SCUDIF corrections for CAMEL interworking, Nokia.**
DISCUSSION:	The text proposed by Ericsson had not been included in the CR.
RESULT:	The document was **REVISED**

ß REVISED ß

N3-040119	**CR 23.172: SCUDIF corrections for CAMEL interworking, Nokia.**
RESULT:	The document was **AGREED.**

N3-040038	**CR 22.078: SCUDIF corrections for CAMEL interworking, Nokia.**
CONTENT:	CR proposes that CSE/SCP may create legs but each call shall have only one outgoing leg in total, if the multimedia is preferred or selected service. The user interaction is also defined. In a multimedia phase or under uncertainty UI shall not be connected. CAMEL warning tone and flexible warning to can be ordered in ApplyCharging for a SCUDIF call. If the multimedia is used at the time when the tone timer expires then SSP shall not connect the tone.

DISCUSSION: Ericsson proposed to add the following text "If the call is a multimedia call or may become a multimedia call the SCP will not carry out any intervention" this text was agreed.

RESULT: The document was **REVISED to 0088.**

ß REVISED ß

N3-040088 **CR 22.078: SCUDIF corrections for CAMEL interworking, Nokia.**

DISCUSSION: This is only for information in CN3. Ericsson would prefer to use the sentence which was originally proposed. Ericsson will bring this to the attention of CN2.

RESULT: The document was **NOTED.**

N3-040039 **CR 23.172: SCUDIF corrections for user interaction, Nokia.**

CONTENT: CR adds a new subclause that makes the following changes. No In-band information shall be played if the calling terminal in Multimedia mode. If SCUDIF occurs to speech prior to CALL CONFIRMED then in-band information is possible. Otherwise, only if the speech is preferred service, in-band information is possible.

DISCUSSION: The Terminating Stage is missing from this CR. Will be added to bullet point 4 by K.Paviailenen (Nokia). Replace "*F (essential correction)*" by "F". Will only be dealt with in CN3.

RESULT: The document was **REVISED to 0086.**

ß REVISED ß

N3-040086 **CR 23.172: SCUDIF corrections for user interaction, Nokia.**

DISCUSSION: Ericsson suggests using *terminating* to keep in line with the rest of the text.

RESULT: The document was **REVISED to 0120.**

ß REVISED ß

N3-040120 **CR 23.172: SCUDIF corrections for user interaction, Nokia.**

RESULT: The document was **AGREED.**

N3-040040 **CR 23.172: SCUDIF corrections for ISUP/BICC interworking, Nokia.**

CONTENT: CR adds Long forwarded-to number2 to SRI-ack.2. and clarifies the case of CF and CD.

RESULT: The document was **REVISED TO 0080 BEFORE PRESENTATION.**

ß REVISED ß

N3-040080 **CR 23.172: SCUDIF corrections for ISUP/BICC interworking, Nokia.**

DISCUSSION: Siemens pointed out a duplication in 4.3.6.1 and Open paragraphs in the same sub clause. Also a small change needed in cover sheet. Ericsson and Siemens propose removing the word 'arbitrarily' in 4.3.2 and propose updating the text. Nokia agree to completely remove the change in Section 4.3.2

RESULT: The document was **REVISED to 0091.**

ß REVISED ß

N3-040091 **CR 23.172: SCUDIF corrections for ISUP/BICC interworking, Nokia.**

RESULT: The document was **AGREED.**

9.3   Technical Enhancements & Improvements [TEI]

N3-040024 **CR 29.007: Signalling of LLC and HLC Siemens AG.**

CONTENT: Removes the restriction that LLC and HLC have to be received from the VLR.

RESULT: The document was **AGREED.**

10 Release 6

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

N3-040041   **CR 29.208: SDP offer handling in SIP responses, Nokia.**

CONTENT: Corrects subclause A.3.1 (former 6.1) "Approval of QoS commit" to allow an SDP offer in a SIP response. "ACK" has been added in the figure in messages 1 and 8 and in the text below the figure.

DISCUSSION: It was decided to wait on the result of the CN1 CR on a related topic before continuing work on this CR. Reason to change must be updated. It should be written to the correct version of this specification (5.6.0). *Shall* to be used instead of *must*. The picture needs to be updated. Remove flashing text from cover page.

Siemens proposed maintaining an 'unofficial' version of 29.207 Rel-6 and 29.208 Rel-6 and writing the CRs to these documents. Version numbers will not follow the official numbering. This approach was agreed by CN3.

RESULT: The document was **REVISED to 0092.**

ß REVISED ß

N3-040092   **CR 29.208: SDP offer handling in SIP responses, Nokia.**

DISCUSSION: CN1 has postponed the related CR to the next meeting. Therefore, this CR has also to be postponed.

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

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

N3-040027   **CR 29.163: Reason Header, Nortel Networks.**

CONTENT: Introduces a strictly optional mapping of the Optional Reason Header at the I-MGCF and O-MGCF in the different scenarios where it may appear. The information is aligned with Q.1912.5. As the Reason Header is optional, this mapping is shown only as an implementation option.

DISCUSSION: A note should be added clarifying the situation.

RESULT: The document was **REVISED to 0093.**

ß REVISED ß

N3-040093   **CR 29.163: Reason Header, Nortel Networks.**

DISCUSSION: Siemens suggest removing 'depending on local policy' and 'implementation option'. Use 'the present specification' not this specification.

RESULT: The document was **REVISED to 0121.**

ß REVISED ß

N3-040121   **CR 29.163: Reason Header, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040028   **CR 29.163: Informative annex for misalignments with Q.1912.5, Nortel Networks.**

CONTENT: Adds an informative annex containing a list of misalignments between 29.163 and Q.1912.5.

DISCUSSION: Ericsson proposed postponing this document until Q.1912.5 is approved in ITU. Siemens feel that the current Rel-6 specification is stable enough. All editors notes shall be removed. Ericsson propose that the second paragraph should be removed and asked that the word 'Assimilated' should be replaced. Add the following text*: In this*

annex profiles B and C are out of scope. Remove mention of the scope - mention The current specification.

RESULT: The document was **REVISED to 0100.**

ß REVISED ß

N3-040100 **CR 29.163: Informative annex for misalignments with Q.1912.5, Nortel Networks.**

DISCUSSION: 'Assimilated' should be replaced. Further clarification was requested by Ericsson with reference to the mapping proposed in the ITU-T recommendation. Remove the text 'in our spec'. The references should be aligned and written in the same way each time.

RESULT: The document was **REVISED to 0122.**

ß REVISED ß

N3-040122 **CR 29.163: Informative annex for misalignments with Q.1912.5, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040042 **Discussion: Multiple forked SIP request with the same called number at the MGCF, Nokia.**

CONTENT: Nokia propose that prevention of multiple INVITEs to the same E.164 number possibly caused by forking is left to the IMS service logic rather than to the MGCF.

DISCUSSION: Siemens raised a question on are the whether or not it would be better to try to prevent multiple invites with the same E.164 number being sent to the MGCF. The proposals were however accepted and need to be included in the corresponding CRs.

RESULT: The document was **NOTED.**

N3-040051 **Discussion: Early media and Forking, Nortel Networks.**

CONTENT: In this discussion document Nortel expand upon the various suggestions for handling multiple media streams resulted from forking, and propose a 3GPP specific policy for early media at the MGCF.

DISCUSSION: Siemens raised concerns about the ongoing work in IETF which is not compatible with the work being carried out so far in 3GPP. Ericsson feels that we should look into the reservation of the codec. Nokia and Ericsson agree that there is no early media in IMS in release 6. Nokia proposed asking CN1 and SA2 for confirmation of the possibility to specify this. LS to be sent to SA2 and CN1 to be drafted by Nokia. **(LS in N3-040094)**

RESULT: The document was **NOTED.**

N3-040094 **LS on early media and IMS/CS interworking to CN1, SA2, source CN3.**

CONTENT: The measures required for IMS/CS interworking in Rel-6 to support forking in IMS in a CS originated case. The CS originated case seems to be especially problematic, if early media streams (announcements, etc.) are expected to be received from multiple early IMS sessions. CN3 has identified 4 problems:-

DISCUSSION: The LS should clearly mention that the Early Media originating in the ias It was suggested that the LS mention that the early media will not be heard at the moment as a ringing tone will be sent according to the present specification. If there was Early Media, then it may still be received for some time after the call has been established and could make the call incomprehensible. Nortel Networks Mark the 31bis as tentative as it has not yet been agreed. Also ask if it is acceptable to request that for only sequential forking is used. This last point was felt to be a separate point and should be a separate LS to SA2. Action Thomas Belling, Siemens. LS on restricting the PSTN originating calls to sequential forking (**LS in N3-040106**)

RESULT: The document was **REVISED to 0107.**

ß REVISED ß

N3-040107   **LS on early media and IMS/CS interworking to CN1 and SA2, source CN3.**

CONTENT: Describes the measures required for IMS/CS interworking in Rel-6 to support forking in IMS in a CS originated case.

DISCUSSION: Ringing tone is not seen to be a problem so keep the same sentence but move it elsewhere in the LS and clarify by adding 'until the call establishment'. The ringing tone will not always block the early media and this should be clarified. The first sentence of the last paragraph should be clarified further by adding 'IMS originated early media'. In the Actions paragraph add 'Further ...from the IMS 'shall be supported'. The first bullet point should also be clarified further.

RESULT: The document was **REVISED to 0112.**

ß REVISED ß

N3-040112   **LS on early media and IMS/CS interworking to CN1 and SA2, source CN3.**

RESULT: The document was **APPROVED**

N3-040106   **LS on MGCF requesting sequential forking to SA2 cc CN1, source CN3.**

DISCUSSION: Nortel Networks questioned the use of referring to draft specifications.

RESULT: The document was **APPROVED.**

N3-040052   **CR 29.163: Criteria for sending UPDATE in BICC, Ericsson.**

CONTENT: Adds two criteria to cover the forward bearer-set up case and the tunneling bearer set-up case when interworking with BICC.

DISCUSSION: Siemens - it is impossible to meet all these conditions. 1 & 2 are always required and then add a sentence which encompasses the rest.- one of the following conditions needs to be fulfilled.

RESULT: The document was **REVISED to 0099.**

ß REVISED ß

N3-040099   **CR 29.163: Criteria for sending UPDATE in BICC, Ericsson.**

DISCUSSION: Siemens propose adding the following text: *shall be met in addition*. Move the text to the left. Revision marks not needed in cover sheet.

RESULT: The document was **REVISED to 0124.**

ß REVISED ß

N3-040124   **CR 29.163: Criteria for sending UPDATE in BICC, Ericsson.**

DISCUSSION: There could be a fourth case which is not listed if this is so Nortel Networks will bring a CR to the next meeting.

RESULT: The document was **AGREED.**

N3-040058   **Discussion: Impact of Forking, Siemens.**

CONTENT: 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 N3-040059 – 062.

RESULT: The document was **NOTED.**

N3-040060   **CR 29.163: Impact of Forking on Incoming call interworking, Siemens.**

CONTENT: Describes the impact of Forking on Incoming call interworking. Forking is allowed in IMS. 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.

DISCUSSION: Siemens propose removing last sentence from both sections. Ericsson questioned the use of 'If' and proposed to remove it. This was accepted. Nortel Networks suggested the 'similar INVITE' is too vague.

RESULT: The document was **REVISED to 0095**

ß REVISED ß

N3-040095 **CR 29.163: Impact of Forking on Incoming call interworking, Siemens.**

RESULT: The document was **AGREED.**

N3-040061 **CR 29.163: Impact of Forking on Outgoing call interworking, Siemens.**

CONTENT: Describes the impact of Forking on Incoming call interworking. Forking is allowed in IMS. 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: Nortel Networks suggested moving the second sentence in the first paragraph of section 7 to section 9. Concerns were raised over the structure of section 7 but it was accepted as is. Some spelling errors should also be corrected.

RESULT: The document was **REVISED to 0096.**

ß REVISED ß

N3-040096 **CR 29.163: Impact of Forking on Outgoing call interworking, Siemens.**

DISCUSSION: ACM -add the reception of the **first** 180...

RESULT: The document was **REVISED to 0123.**

ß REVISED ß

N3-040123 **CR 29.163: Impact of Forking on Outgoing call interworking, Siemens.**

RESULT: The document was **AGREED.**

N3-040062 **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.

DISCUSSION: Inconsistent use of 1XX and 1xx. Also tdoc number also needs updating.

RESULT: The document was **REVISED to 0097.**

ß REVISED ß

N3-040097 **CR 29.163: Impact of Forking on COLP supplementary service, Siemens.**

RESULT: The document was **AGREED.**

N3-040063 **Discussion: Impact of Forking, Siemens.**

RESULT: The document was **WITHDRAWN BEFORE PRESENTATION.**

N3-040059 **CR: Impact of Forking on Mn procedures, Siemens.**

CONTENT: Impact of Forking on Mn procedures.

DISCUSSION: Nortel Networks raised concerns over the continual update of the MGW as it appears to be a waste of resources. Siemens proposed changing 'should' to 'may' in clause 9.2.3.4.2 and in 9.2.3.4.3 add the sentence: 'alternatively the MGW may select only the latest codec.' Category on the coversheet should be changed to F in keeping with the other related CRs.

RESULT: The document was **REVISED to 0098.**

ß REVISED ß

N3-040098   **CR: Impact of Forking on Mn procedures, Siemens.**

DISCUSSION: Ericsson requested clarification on the Last SDP mentioned in 9.2.3.4.2. Ericsson proposed using 'one' rather than 'last' in this instance. It was agreed to change 'should' to 'may'

RESULT: The document was **REVISED to 0125.**

ß REVISED ß

N3-040125   **CR: Impact of Forking on Mn procedures, Siemens.**

RESULT: The document was **AGREED.**

N3-040064   **Discussion: Out of band Transcoder control, Lucent Technologies.**

CONTENT: TS 29.163 includes within its scope the interworking between IMS and a Bearer Independent Core Network (BICN) using BICC and Out-of-Band Transcoder Control (OoBTC, TS 23.153). This will enable Transcoder Free Operation (TrFO) between BICN and IMS. TS 29.163 is currently lacking sufficient detail to fully describe how to achieve TrFO in this scenario. This contribution discusses the kinds of detail lacking from the TS, as a means of gaining agreement regarding the CRs needed to fill in the missing detail and to encourage further contributions in this area.

DISCUSSION: Issues mentioned in the first four bullet points in Section 8 should be improved by CR for Rel-6. Clarification on the meaning of BICC APP mentioned in bullet point 5 is also needed.
CN3 has not reached conclusions on all of the proposed changes in Section 7.3. Given the timescale available it was suggested that it was unfeasible to expect these changes to be completed in the estimated timescale.

RESULT: The document was **NOTED.**

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

Document N3-040059 was discussed with the related CRs under agenda item 10.2.

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

N3-040033   **CR 29.209: Improvements to 29.209, Nortel Networks.**

CONTENT: Updates the references, provides editorial corrections, new text for section 6.1 clarifying the role played by the PDF and AF as Diameter entities.

RESULT: The document was **AGREED.**

N3-040048   **Discussion: Mapping of application specific service info to generic in Gq, Nokia.**

CONTENT: This contribution proposes the solution for the support of unified and solid principles for parameter mapping functionality in the QoS architecture and information exchange over the Gq interface,

Nokia propose that a general principle is agreed as to where the mapping of application specific Service Description Information (SDI) to generic (application independent) Service information takes place. If such a principle is agreed, then also the format of the information sent over the Gq interface is also defined.

DISCUSSION: Siemens raised concerns over how this proposal would actually solve the issues. Ericsson and Nortel Networks support this document. Siemens support the first proposal however they have concerns over the second proposal. CN3 agree that the principles in the Go interface remain untouched and that generic coding is used at the Gq interface.

RESULT: The document was **NOTED.**

N3-040057 **Discussion: Encoding of service information at the Gq interface, Siemens.**

CONTENT: This contribution sums up requirements for the encoding of service information and gate control indications at the Gq interface, and outlines design criteria that help to find a suitable encoding of the required information.

Based on these considerations, it is suggested to derive the encoding of service information at the Gq interface from SDP.

A common understanding on the principles of encoding service information seems essential to allow a fast progress of the work in CN3.

DISCUSSION: Nokia raised concerns about whether the gates would be open or closed in this scenario. Nortel Networks questioned the use of SDP. Nokia feel that this contribution concentrates too much on SDP and feels that it should look in to the possibility that SDP may not be used. Some delegates think that this is too tailored towards SDP. In the summary - Nortel Networks would prefer more general elements for all applications. It was felt that the Gq interface should be generic and able to be used by different applications - otherwise it could be seen not to be needed and could revert to the solution used in release 5. Ericsson raised the issue of the lack of a complete list of requirements and suggested creating such a list in CN3. A list of requirements would be needed for other applications and not just IMS. Ericsson also proposed creating a list of all the applications which need to be supported. Nokia do not see the need for such a list as they feel it goes beyond the scope of the specification. It was generally agreed that generic and coding functions are needed.

It was proposed to contact SA2 for further information and ideas on application requirements. LS to be sent to SA2 . Gq interface should provide the same functionality as the Go interface. Cross mapping would be easier if the Go interface functionality was used. Orange agree that the PDF does not contain only the mapping but also the policy rules.
In conclusion: 1st bullet point in summary agreed with the removal of *encoding of.* 2nd bullet point in summary - modify text the Gq interface encoding should allow the transport of the identified information. 3rd bullet point agreed.

RESULT: The document was **NOTED.**

N3-040047 **Discussion: Proposed method to use Diameter and NASREQ for Gq, Nokia.**

CONTENT: Discusses how the Diameter base protocol can be utilised in particular for the application to the Gq interface.

Proposes:

- Diameter related Gq interface standardization:

- The NASREQ application and the Diameter base protocol be used as basis for the Gq interface. The existing command codes and AVPs be used, and new AVPs are only defined as needed.

- A vendor specific Application Identifier be used to identify the Gq interface application.

DISCUSSION: It was agreed to use the command codes of the NASREQ application as a basis for the Gq interface but there is a need to identify the necessary attributes. It was also agreed to check whether a public identifier makes more sense than a vendor specific application identifier - This will be examined at the next CN3 meeting.

RESULT: The document was **NOTED.**

N3-040043 **CR 29.208: Gq flows update for Diameter, Nokia.**

CONTENT: Updates the E2E QoS signalling flows for Diameter messages over the Gq interface.

DISCUSSION: This CR was not based on 5.6.0 as stated on the coversheet. Nortel Networks raised concerns over the diagram in 4.1 and would like to see a clarification note added to the flowchart. Nortel Networks also questioned the use of dashed lines rather than solid lines in certain flow charts which should be explained. Orange had concerns over steps 4, 5, 11 and 12 in diagram 5 which appear to be optional. Alignment needed in the use of the arrows in the entire document. Alcatel raised concerns over the text of A.7.2 point 5. It was agreed to clarify the meaning of the AF signalling arrows in all flowcharts.

RESULT: The document was **REVISED to 0101.**

ß REVISED ß

N3-040101 **CR 29.208: Gq flows update for Diameter, Nokia.**

DISCUSSION: In 6.1 Nortel Networks requested clarification of the wording regarding step 3. This needs to be checked throughout the document. 'If step 3 happened then the AF responds'. Ericsson raised concerns over the text 'Af session signalling is optional' and suggested the use of dashed lines in the flowchart. Spelling errors, spaces missing between words, authorization and authorisation both used - alignment needed. The specification needs to be thoroughly checked, no volunteers came forward.

RESULT: The document was **REVISED to 0128.**

ß REVISED ß

N3-040128 **CR 29.208: Gq flows update for Diameter, Nokia.**

RESULT: The document was **AGREED.**

The CR will be implemented by Thomas Belling on the unofficial Rel-6 version.

N3-040044 **CR 29.209: Gq messages, Nokia.**

CONTENT: Adds Gq message definitions.

DISCUSSION: Add two new parameters Error Message and Fail APB throughout. Ensure that all commands have the text either *from the AF to the PDF* or f*rom the PDF to the AF*. Add an editors note. In 6.2.1. add 'or to modify the authorization'. In 6.2.2 the Authorization Token parameter should have an asterix. In 6.2.3 the Access Network Charging identifier parameter should have an asterix to. 6.2.4 check the Auth-Application-Id - why is it present?. In 6.2.6 another parameter should be added to indicate when the session has terminated. Nortel Networks raised concerns over the introduction of agents which may cause the work to be delayed.

RESULT: The document was **REVISED to 0102.**

ß REVISED ß

N3-040102 **CR 29.209: Gq messages, Nokia.**

DISCUSSION: 6.2.5 should have the class APB added. The Origin state ID should be also be added

RESULT: The document was **REVISED to 0129.**

ß REVISED ß

N3-040129   **CR 29.209: Gq messages, Nokia.**

RESULT: The document was **AGREED.**

N3-040046   **CR 29.209: Gq attributes, Nokia.**

CONTENT: Adds the Gq specific AVPs.

DISCUSSION: Each attribute should have the type explained before the description. List the NASREQ AVPs which are being used. OctetString should be used for AF Charging Identifier and Access Network Charging Identifier. Check all Sections defined. The table should be sorted alphabetically by Attribute Name. In 6.4.8 the Flow description should be changed.

RESULT: The document was **REVISED to 0103.**

ß REVISED ß

N3-040103   **CR 29.209: Gq attributes, Nokia.**

DISCUSSION: The reference in the note is not correctly formatted but this is a problem throughout the specification.

RESULT: The document was **AGREED.**

N3-040045   **CR 29.209: Gq message usage, Nokia.**

RESULT: The document was **REVISED TO 0085 BEFORE PRESENTATION.**

ß REVISED ß

N3-040085   **CR 29.209: Gq message usage, Nokia.**

CONTENT: Defines Gq specific use of Diameter messages.

DISCUSSION: 5.1.1 It is not clear as to which session is being referred to. In 5.1.4. Siemens raised a question as to the reason for adding bearer to the title. It was proposed to split this clause into two clauses as was the case previously. The use of the reference number should be modified to show the entire reference. There was a request to remove the note on the cover page. in 5.1.2. add an s to charging identifiers.

RESULT: The document was **REVISED to 0104.**

ß REVISED ß

N3-040104   **CR 29.209: Gq message usage, Nokia.**

DISCUSSION: Ericsson raised questions over 5.1.1 which is still not correct. Authorize should be spelt with z throughout.

RESULT: The document was **REVISED to 0130.**

ß REVISED ß

N3-040130   **CR 29.209: Gq message usage, Nokia.**

RESULT: The document was **AGREED.**

N3-040069   **CR 29.209: Server Session Handle, Siemens.**

CONTENT: The CR defines the "server session handle" AVP.

DISCUSSION: Nokia raised questions concerning an AF which does not support the handle but which is then compelled to do so by the PDF. Nortel Networks could not see any advantage in this CR.

RESULT: The document was **WITHDRAWN.**

N3-040078   **CR to 20.209: Adding a section on securing Diameter messages, Orange.**

CONTENT: The CR adds a new section on securing Diameter messages.

RESULT: The document was **AGREED.**

N3-040079 **CR to 20.209: Adding a section on advertising application support, Orange.**

CONTENT: The CR adds new section on advertising application support.

DISCUSSION: Questions were raised by Siemens about the logical place for this paragraph.

RESULT: The document was **REVISED to 0105.**

ß REVISED ß

N3-040105 **CR to 20.209:Adding a section on advertising application support, Orange.**

RESULT: The document was **AGREED.**

N3-040049 **Info: Diameter network scenarios, Nokia.**

CONTENT: Short overview of basic architecture and agents .

DISCUSSION: This Work Item needs to be finished by June 2004. Completion date for this Work Item will be updated keeping in line the work on Stage 2 being carried out in SA2.

RESULT: The document was **NOTED.**

N3-040133 **Unofficial version of 29.208 Rel-6 to cover changes necessary for the Gq interface, Siemens.**

CONTENT: Unofficial version of 29.208.

RESULT: The document **to be circulated via email.**

N3-040134 **Unofficial version of 29.207 Rel-6 to cover changes necessary for the Gq interface, Siemens.**

CONTENT: Unofficial version of 29.207.

RESULT: The document **to be circulated via email.**

N3-040135 **Unofficial version of 29.209, Nokia**

CONTENT: Unofficial version of 29.209 v0.0.2.

RESULT: The document **to be circulated via email.**

10.5   Support of Presence Capability [PRESENC]

No input to this agenda item.

10.6   Multimedia Broadcast and Multicast Service [MBMS]

N3-040026 **Discussion: Gmb interface protocol proposal, Nortel Networks.**

CONTENT: In order to progress work, acting in a safe manner with regard to possible SA2 architectural decisions, it's proposed to use Diameter NASREQ for the Gmb interface for the user authorization part. It is also proposed to use NASREQ for the MBMS specific part, although in this case some extensions may be needed to fulfil all the requirements.

It is also proposed to adopt the working assumption that the DIAMETER interaction for Gmb authorisation must use the same messaging as for normal PDP Context authorisation using DIAMETER.

Finally, the DIAMETER interactions for different services, those for user authorisation and the service-specific interactions should be functionally independent so that they can be routed differently by a DIAMETER proxy

.

DISCUSSION: Ericsson voiced concerns about the prematurity of making such working assumptions as the work in SA2 is not yet stable. CN3 has already agreed the working assumption to use the Diameter protocol for the Gmb interface. No conclusion was reached and the companies present were invited to bring contributions to the next CN3 meeting. WI description date is June 2004 however it is unlikely that this will be met.

At the end of the meeting Nortel invited Ericsson, who had the main concerns, to consider again this working assumption, as it is in line with SA2 conclusions, and post any concerns or conclusion on the email list

RESULT: The document was **NOTED.**

10.7   WLAN – UMTS Interworking [WLAN]

N3-040050 **Draft TS for the Wi interface, Nokia.**

CONTENT: Discussion on the Wi interface between the Packet Data Gateway (PDG) of the WLAN Access and the IP networks, focusing on whether the Wi interface should be standardized in the existing TS 29.061 which deals with the corresponding Gi interface in GPRS, or whether a new TS should be made for the Wi interface.
Considering that other CN groups have documented their WLAN Access issues in new TSs, this somewhat speaks for making a new TS for the Wi interface instead of adding the Wi interface in the TS 29.061.
The attached document uses the Gi interface TS 29.061 as a starting point to draft a new TS for the Wi interface.

DISCUSSION: Agreed. CN3 will discuss the TS number at the next meeting. Chapter 12 on IMS interworking is not felt to be necessary. **EMAIL DISCUSSION will be used** to collect comments before the next meeting. Nokia will present V.0.0.1 later in this meeting and it will be used as a basis for change requests.

RESULT: The document was **REVISED to 0108.**

ß REVISED ß

N3-040108 **Draft TS for the Wi interface, Nokia.**

RESULT: The document **to be circulated via email.**

10.8   Other Rel-6 Work Items

N3-040022 **CR 29.061: TFT Passed on the Gi Interface, Vodafone.**

CONTENT: CR appends the TFT to Account Request Start & Accounting Interim Update messages.

DISCUSSION: Nokia pointed out that TFT is seen as very GPRS specific and questioned the reasoning behind changing this. Vodafone explained that it was to correlate the QoS making it easier to bill for streaming. Siemens asked whether or not it would be sufficient to send only packet filters via the Gi interface rather than sending the entire TFT. Vodafone will clarify this matter as soon as possible. As this issue has already been discussed in SA2, Nokia questioned the need to discuss this further in SA2.

RESULT: The document was **REVISED to 0113.**

ß REVISED ß

N3-040113 **CR 29.061: TFT Passed on the Gi Interface, Vodafone.**

RESULT: The document was **POSTPONED TO THE NEXT CN3 MEETING.**

N3-040023   **CR 29.061: IMEISV Passed on the Gi Interface, Vodafone.**

CONTENT: CR appends IMEISV to Account Request Start & Accesses Request messages.

DISCUSSION: Update coversheet to correct the clauses affected; .fix spelling mistake in summary of change and remove the reference to SA2 document.

RESULT: The document was **REVISED to 0114.**

ß REVISED ß

N3-040114   **CR 29.061: IMEISV Passed on the Gi Interface, Vodafone.**

RESULT: The document was **AGREED.**

N3-040066   **CR 29.207: Improvement of the procedure at media component removal, Orange.**

CONTENT: CR proposes to improve the procedure at media component removal in Release 6.and distinguish the case when there is at least another media component left within the PDP context which contained the deleted media component. In that case, it is proposed that the GGSN shall modify the PDP context as for a session modification.

DISCUSSION: To simplify the text. Siemens, Nokia, Orange Ericsson 6pm off line discussion Nokia proposes that the change in section 5.1.3 is redundant and should be removed. Nokia proposes addition of text in 5.2.1.3.ne Do we need two CRs?
After discussion it was decided to withdraw the revised document(s).

RESULT: The document was **REVISED to 0089**

ß REVISED ß

N3-040089   **CR 29.207: Improvement of the procedure at media component removal, Orange.**

RESULT: The document was **WITHDRAWN BEFORE PRESENTATION.**

N3-040090   **CR 29.207: Improvement of the procedure at media component removal, Orange.**

RESULT: The document was **WITHDRAWN BEFORE PRESENTATION.**

N3-040074   **WID on Circuit Switched Video and Voice Service, CN3 Chair / Siemens.**

CONTENT: Contains a proposed WID on Circuit Switched Video and Voice Service.

DISCUSSION: Impact on Stage 3 - there are more requirements in SA1 specification than are covered in this WID. It is unclear as to how CN3 should proceed.

RESULT: The document was **NOTED.**

N3-040075   **CR 22.101 on Improvements to Circuit Switched Video and Voice, CN3 Chair / Siemens.**

CONTENT: Contains the SA1 CR that adds the requirement to enable both operator and customer friendly transitions between CS video and CS voice calls.

DISCUSSION: This has been agreed in SA1 but is not yet approved. The requirements mentioned in the CR are very general and do not indicate a clear way forward for CN3. CN3 should wait for SA2 to see how their work will impact the work of CN3. Second and Third bullet points should remain. Ericsson suggested that the wording should be clearer. CN3 have agreed to wait for the solutions from SA2.

RESULT: The document was **NOTED.**

N3-040056   **CR 23.172: Network-Initiated Service Change for SCUDIF, Siemens.**

RESULT: The document was **REVISED to 0077 BEFORE PRESENTATION.**

ß REVISED ß

N3-040077   **CR 23.172: Network-Initiated Service Change for SCUDIF, Siemens.**

CONTENT: CR makes modifications for Network-Initiated Service Change.

DISCUSSION: Alcatel request that the text in the actual change reflects the 'shall' mentioned in the first bullet point. Siemens explained that if Nokia questioned the need for the RAN groups to be involved and suggested to make them aware of the issue by sending a liaison statement. Nortel Networks feel that clauses 4.1 and 4.5 seem to be more restrictive than the requirements and suggested a modification of the text. Ericsson suggested the addition of some text in clause 4.3.5 to clarify the issue further. Alcatel requested clarification of the service change procedure mentioned in clause 4.2.5.1. S. Hayes, CN Chairman, felt that it was likely that this CR would be met with strong resistance and it was not certain that it would be agreed at plenary level. CN3 decided against sending a LS to the RAN working groups at this time.

RESULT: The document was **REVISED to 0115.**

ß REVISED ß

N3-040115   **CR 23.172: Network-Initiated Service Change for SCUDIF, Siemens.**

DISCUSSION: Orange and Nortel Networks feel that this is incomplete with regards to the Trigger conditions. Nortel Networks proposes waiting for the ongoing work in SA1. This CR was agreed on the condition that it will only be approved in CN plenary if the related SA1 CR is approved in SA.

RESULT: The document was **CONDITIONALY AGREED [on the condition - *related SA1 CR is approved in SA*].**

11 Joint sessions

11.1 **SA2 invites CN1/3/4 to discussions on CS Video and Voice. [SCHEDULED FOR MONDAY 16:00-18:00]**

For results see SA2 meeting report.

11.2 **Joint session with CN2 on SCUDIF-CAMEL interactions. [SCHEDULED FOR MONDAY 14:00-15:30]**

Documents N3-040037 – 039 were handled in this joint session. See agenda item 9.2.

12 Work Organization

12.1 Work Plan Review

N3-040071: **3GPP Work Plan, source MCC.**

DISCUSSION: MCC and CN3 chairman will examine the changes required offline after the meeting. Comments will be integrated in the version presented to CN#23.

RESULT: The document was **NOTED.**

12.2 Specification Review

N3-040072 **Status of CN3 specifications following SA#22, source MCC.**

DISCUSSION: Ragner Huslende is the new rapporteur for 09.61 and 29.061

David Boswarthick is the new rapporteur for 07.60 and 27.060

Thomas Belling is the new rapporteur for 29.163

Juha Rasanen is the new rapporteur for 29.207

Anna Sillanpaa is the new rapporteur for 29.208

23.209 is not a CN3 specification and should be removed from the list.

RESULT: The document was **REVISED to 0126**

ß **REVISED** ß

N3-040126 **Status of CN3 specifications following SA#22, source MCC.**

RESULT: The document was **REVISED**

ß **REVISED** ß

N3-040127 **Status of CN3 specifications following SA#22, source MCC.**

CONTENT: Details the status of CN3s specifications following SA#22 meeting.

RESULT: The document was **NOTED.**

12.3   Next meetings, allocation of hosts

N3-040073   **CN3's Meeting Calendar, source MCC.**

DISCUSSION: It was agreed that the CN3#31 bis meeting is required. It was further agreed that the meeting will be restricted to release 6 issues only. The meeting will start at 10:00 on Tuesday morning and will finish before 14:00 on Friday.

RESULT: The document was **NOTED.**

Mar 2004				
3GPPCN#23	OR	10 - 12 Mar 2004	Phoenix, NA Friends	US
Joint CN WG bis Meetings (CN1, CN3)	OR	29 Mar - 2 Apr 2004	Sophia, ETSI	FR
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

<mark>0</mark> 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	Attachment
N3-040106	LS on MGCF requesting sequential forking	SA2	CN1	
N3-040111	LS reply to RTP / RTCP split	SA2	CN1	
N3-040112	LS on early media and IMS/CS interworking	CN1, SA2		

13.3   TRs / TSs

<mark>0</mark> 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
N3-040119	SCUDIF corrections for CAMEL interworking	23.172	022	2	F	Rel-5	SCUDIF
N3-040120	SCUDIF corrections for user interaction	23.172	023	2	F	Rel-5	SCUDIF
N3-040091	SCUDIF corrections for ISUP/BICC interworking	23.172	024	2	F	Rel-5	SCUDIF
N3-040115	Network-Initiated Service Change for SCUDIF	23.172	025	2	B	Rel-6	TEI
N3-040024	Signalling of LLC and HLC	29.007	096		F	Rel-5	TEI_5
N3-040114	IMEISV Passed on the Gi Interface	29.061	103	1	B	Rel-6	TEI
N3-040121	Reason Header	29.163	030	2	F	Rel-6	IMS-CCR-IWCS
N3-040122	Informative annex for misalignments with Q.1912.5	29.163	031	2	B	Rel-6	IMS-CCR-IWCS
N3-040124	Criteria for sending UPDATE in BICC	29.163	032	2	F	Rel-6	IMS-CCR-IWCS
N3-040125	Impact of Forking on Mn procedures	29.163	033	2	F	Rel-6	IMS-CCR-IWCS
N3-040095	Impact of Forking on Incoming call interworking	29.163	034	1	F	Rel-6	IMS-CCR-IWCS
N3-040123	Impact of Forking on Outgoing call interworking	29.163	035	2	F	Rel-6	IMS-CCR-IWCS
N3-040097	Impact of Forking on COLP supplementary service	29.163	036	1	F	Rel-6	IMS-CCR-IWCS
N3-040116	Session modification when a biderctional media is done unidirectional	29.207	113	2	F	Rel-5	E2EQoS
N3-040131	Traffic handling priority in the mapping tables	29.207	121	1	F	Rel-5	e2EQoS
N3-040117	Session modification when a biderctional media is done unidirectional	29.208	056	2	F	Rel-5	E2EQoS
N3-040067	Mapping tables for streaming services	29.208	059		F	Rel-5	E2EQoS
N3-040132	Traffic handling priority in the mapping tables	29.208	060	1	F	Rel-5	E2EQoS

18 CRs AGREED at this meeting

13.5 Other

None.

14 Any other business

The Chairman announced that due to changes in his job he will not be able to continue as Chairman of CN3. Elections will therefore be held in the next full CN3 meeting in Croatia. Nominations should be sent to David Boswarthick david.boswarthick@etsi.org and Karen Hughes karen.hughes@etsi.org

For more information please see:- http://www.3gpp.org/tb/CN/CN3/Election/election.htm

15 Close of meeting

Norbert closed the 31st CN3 meeting on Friday 20th February at 11:30, 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

Dr. Thomas Belling	SIEMENS AG	3GPPMEMBER (ETSI)	+49 89 636 75207	+49 89 636 75577	Thomas.Belling@siemens.com
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17 PARTICIPANTS

Annex B: List of documents

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040001	2	Agenda	Draft Agenda for CN3#31	CN3 Chair							Revised in N3-040010
N3-040002	3	DAD	Allocation of documents to agenda items (at deadline)	CN3 Chair							Noted
N3-040003	3	DAD	Allocation of documents to agenda items (at start of day 1)	CN3 Chair							Noted
N3-040004	3	DAD	Allocation of documents to agenda items (at end of day 1)	CN3 Chair							Noted
N3-040005	3	DAD	Allocation of documents to agenda items (at end of day 3)	CN3 Chair							Noted
N3-040006	3	DAD	Allocation of documents to agenda items (at end of day 4)	CN3 Chair							Noted
N3-040007	3	DAD	Allocation of documents to agenda items (at end of day 5)	CN3 Chair							Noted
N3-040008	4.2	Report	Brief notice from CN#21 relevant for CN3	CN3 Chair							Noted
N3-040009	4.3	Report	Email with Highlights of CN#21/SA#21	CN Chair							Noted
N3-040010	2	AGENDA	Draft Agenda for CN3#31	CN3 Chair							Revised in N3-040021
N3-040011	7	LS in	LS on SBLP handling of Session modification without adding or removing media lines	TSG CN WG1							Revised in N3-040025
N3-040012	7	LS in	LS on CS interconnect accounting for multi-media services e.g. videotelephony	TSG SA WG1							Noted
N3-040013	7	LS in	Re. LS on security implications of Gq interface	TSG SA WG2							Noted
N3-040014	7	LS in	LS on RTP / RTCP split	TSG SA WG2							Noted
N3-040015	7	LS in	Re. LS on "Interworking of PSTN-initiated hold and resume supplementary service at the MGCF and IM-MGW"	TSG SA WG2							Noted
N3-040016	7	LS in	LS on the use of GTP for WLAN-GPRS interworking	TSG SA WG2							Noted
N3-040017	7	LS in	LS on IP Flow Based Bearer Level Charging	TSG SA WG2							Noted

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040018	7	LS in	Re. LS on security of the Diameter protocol for the Gq interface	TSG SA WG3							Noted
N3-040019	4.1	Report	Draft Meeting Report from CN3#30 (Bangkok)	MCC							Approved
N3-040020	4.2	Report	Draft Meeting Report from CN#22 (Hawaii)	MCC							Noted
N3-040021	2	Agenda	Draft Agenda for CN3#31	CN3 Chair							Approved
N3-040022	10.8	CR	TFT Passed on the Gi Interface	Vodafone	Other	29.061	102	0	B	Rel-6	Revised in N3-040113
N3-040023	10.8	CR	IMEISV Passed on the Gi Interface	Vodafone	Other	29.061	103	0	B	Rel-6	Revised in N3-040114
N3-040024	9.3	CR	Signalling of LLC and HLC	Siemens AG	TEI_5	29.007	096	0	F	Rel-5	Agreed
N3-040025	7	LS in	LS on SBLP handling of Session modification without adding or removing media lines	TSG CN WG1							Noted
N3-040026	10.6	Discussion	Gmb interface protocol proposal	Nortel Networks							Noted
N3-040027	10.2	CR	Reason Header	Nortel Networks	IMS-CCR-IWCS	29.163	030	0	F	Rel-6	Revised in N3-040093
N3-040028	10.2	CR	Informative annex for misalignments with Q.1912.5	Nortel Networks	IW-CCR-IWCS	29.163	031	0	B	Rel-6	Revised in N3-040100
N3-040029	9.1	Discussion	SBLP handling of Session modification	Nortel Networks							Noted
N3-040030	9.1	CR	Session modification when a biderctional media is done unidirectional	Nortel Networks	E2EQoS	29.207	113	0	F	Rel-5	Revised in N3-040083
N3-040031	9.1	CR	Session modification when a biderctional media is done unidirectional	Nortel Networks	E2EQoS	29.208	056	0	F	Rel-5	Revised in N3-040083
N3-040032	9.1	Discussion	RTP/RTCP split	Nortel Networks							Noted
N3-040033	10.4	[CR]	Improvements to 29.209	Nortel Networks	QoS1	29.209			F	Rel-6	Agreed
N3-040034	9.1	CR	Clarification on handling forking responses	Nokia, Ericsson	E2EQoS	29.207	114	0	F	Rel-5	postponed to next CN3
N3-040035	9.1	CR	Clarification on handling forking responses	Nokia, Ericsson	E2EQoS	29.207	115	0	A	Rel-6	postponed to next CN3

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040036	9.1	[CR]	Clarification on handling forking responses	Nokia, Ericsson	QoS1	29.209			A	Rel-6	postponed to next CN3
N3-040037	9.2	CR	SCUDIF corrections for CAMEL interworking	Nokia	SCUDIF	23.172	022	0	F	Rel-5	Revised in N3-040087
N3-040038	9.2	[CR]	SCUDIF corrections for CAMEL interworking	Nokia	SCUDIF	22.078		0	F	Rel-5	Revised in N3-040088
N3-040039	9.2	CR	SCUDIF corrections for user interaction	Nokia	SCUDIF	23.172	023	0	F	Rel-5	Revised in N3-040086
N3-040040	9.2	CR	SCUDIF corrections for ISUP/BICC interworking	Nokia	SCUDIF	23.172	024	0	F	Rel-5	Revised in N3-040080
N3-040041	10.1	CR	SDP offer handling in SIP responses	Nokia	IMS-CCR-IWIP	29.208	057	0	F	Rel-6	Revised in N3-040092
N3-040042	10.2	Discussion	Multiple forked SIP request with the same called number at the MGCF	Nokia							Noted
N3-040043	10.4	CR	Gq flows update for Diameter	Nokia	QoS1	29.208	058	0	B	Rel-6	Revised in N3-040101
N3-040044	10.4	[CR]	Gq messages	Nokia	QoS1	29.209			B	Rel-6	Revised in N3-040102
N3-040045	10.4	[CR]	Gq message usage	Nokia	QoS1	29.209			B	Rel-6	Revised in N3-040085
N3-040046	10.4	[CR]	Gq attributes	Nokia	QoS1	29.209			B	Rel-6	Revised in N3-040103
N3-040047	10.4	Discussion	Proposed method to use Diameter and NASREQ for Gq	Nokia							Noted
N3-040048	10.4	Discussion	Mapping of application specific service info to generic in Gq	Nokia							Noted
N3-040049	10.4	INFO	Diameter network scenarios	Nokia							Noted
N3-040050	10.7	TS	A draft TS for the Wi interface	Nokia							Revised in N3-040108
N3-040051	10.2	Discussion	Early media and Forking	Nortel Networks							Noted
N3-040052	10.2	CR	Criteria for sending UPDATE in BICC	Ericsson	IMS-CCR-IWCS	29.163	032	0	F	Rel-6	Revised in N3-040099
N3-040053	9.1	CR	PDP context modification without binding information	Siemens	E2EQoS	29.207	116	0	F	Rel-5	postponed to next CN3

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040054	9.1	CR	Mapping tables for streaming services	Siemens	E2EQoS	29.207	117	0	F	Rel-5	Withdrawn
N3-040055	9.1	CR	Traffic handling priority in the mapping tables	Siemens	E2EQoS	29.207	118	0	F	Rel-5	Withdrawn
N3-040056	9.2	CR	Netw ork-Initiated Service Change for SCUDIF	Siemens	TEI	23.172	025	0	B	Rel-6	Revised in N3-040077
N3-040057	10.4	Discussion	Encoding of service information at the Gq interface	Siemens							Noted
N3-040058	10.2	Discussion	Impact of Forking	Siemens							Noted
N3-040059	10.3	CR	Impact of Forking on Mn procedures	Siemens	IMS-CCR-IWCS	29.163	033	0	F	Rel-6	Revised in N3-040098
N3-040060	10.2	CR	Impact of Forking on Incoming call interworking	Siemens	IMS-CCR-IWCS	29.163	034	0	F	Rel-6	Revised in N3-040095
N3-040061	10.2	CR	Impact of Forking on Outgoing call interworking	Siemens	IMS-CCR-IWCS	29.163	035	0	F	Rel-6	Revised in N3-040096
N3-040062	10.2	CR	Impact of Forking on COLP supplementary service	Siemens	IMS-CCR-IWCS	29.163	036	0	F	Rel-6	Revised in N3-040097
N3-040063	10.2	Discussion	Impact of Forking	Siemens							Withdrawn
N3-040064	10.2	Discussion	Out of band Transcoder control	Lucent Technologies							Noted
N3-040065	9.1	CR	Removal of media component	Orange	E2EQoS	29.208	048	2	F	Rel-5	Withdrawn
N3-040066	10.8	CR	Improvement of the procedure at media component removal	Orange	E2EQoS	29.207	119	0	F	Rel-6	Revised in N3-040089
N3-040067	9.1	CR	Mapping tables for streaming services	Siemens	E2EQoS	29.208	059	0	F	Rel-5	Agreed
N3-040068	9.1	CR	Traffic handling priority in the mapping tables	Siemens	E2EQoS	29.208	060	0	F	Rel-5	Revised in N3-040132
N3-040069	10.4	[CR]	CR 29.209 Sever Session Handle	Siemens	QoS1	29.209				Rel-6	Withdrawn
N3-040070	9.1	Discussion	RTP/RTCP split	Nokia							Noted
N3-040071	12.1	WorkPlan	3GPP Workplan	MCC							Noted

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040072	12.2	Report	Status of CN3's Specifications following SA#22	MCC							Revised in N3-040126
N3-040073	12.3	Calendar	CN3's Calendar of Meetings	MCC							Noted
N3-040074	10.8	INFO	WID on Circuit Switched Video and Voice Service	CN3 Chair / Siemens							Noted
N3-040075	10.8	INFO	CR 22.101 on Improvements to Circuit Switched Video and Voice Service procedures	CN3 Chair / Siemens							Noted
N3-040076		LS in	RE. Ls to SG 11 on Signalling requirements for IP-QoS	ITU-T SG 16							Noted
N3-040077	9.2	CR	Network-Initiated Service Change for SCUDIF	Siemens	TEI	23.172	025	1	B	Rel-6	Revised in N3-040115
N3-040078	10.4	[CR]	Adding a section on securing Diameter messages	Orange	QoS1	29.209			B	Rel-6	Agreed
N3-040079	10.4	[CR]	Adding a section on advertising application support	Orange	QoS1	29.209			B	Rel-6	Revised in N3-040105
N3-040080	9.2	CR	SCUDIF corrections for ISUP/BICC interworking	Nokia	SCUDIF	23.172	024	1	F	Rel-5	Revised in N3-040091
N3-040081	7	LS out	LS on the use of GTP for WLAN-GPRS interworking	CN3							Revised in N3-040110
N3-040082	9.1	CR	Session modification when a biderctional media is done unidirectional	Nortel Networks	E2EQoS	29.207	113	1	F	Rel-5	Revised in N3-040116
N3-040083	9.1	CR	Session modification when a biderctional media is done unidirectional	Nortel Networks	E2EQoS	29.208	056	1	F	Rel-5	Revised in N3-040117
N3-040084	7	LS out	LS reply to RTP / RTCP split	CN3							Revised in N3-040111
N3-040085	10.4	[CR]	Gq message usage	Nokia	QoS1	29.209			B	Rel-6	Revised in N3-040104
N3-040086	9.2	CR	SCUDIF corrections for user interaction	Nokia	SCUDIF	23.172	023	1	F	Rel-5	Revised in N3-040120
N3-040087	9.2	CR	SCUDIF corrections for CAMEL interworking	Nokia	SCUDIF	23.172	022	1	F	Rel-5	Revised in N3-040119
N3-040088	9.2	[CR]	SCUDIF corrections for CAMEL interworking	Nokia	SCUDIF	22.078		1	F	Rel-5	Not agreed
N3-040089	10.8	CR	Improvement of the procedure at media component removal	Orange	E2EQoS	29.207	119	1	F	Rel-6	Withdrawn

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040090	10,8	CR	Improvement of the procedure at media component removal	Orange	TEI	29.207	120	0	F	Rel-5	Withdrawn
N3-040091	9.2	CR	SCUDIF corrections for ISUP/BICC interworking	Nokia	SCUDIF	23.172	024	2	F	Rel-5	Agreed
N3-040092	10.1	CR	SDP offer handling in SIP responses	Nokia	IMS-CCR-IWIP	29.208	057	1	F	Rel-6	postponed to next CN3
N3-040093	10.2	CR	Reason Header	Nortel Networks	IMS-CCR-IWCS	29.163	030	1	F	Rel-6	Revised in N3-040121
N3-040094	10.2	LS out	LS on early media and IMS/CS interworking	CN3							Revised in N3-040107
N3-040095	10.2	CR	Impact of Forking on Incoming call interworking	Siemens	IMS-CCR-IWCS	29.163	034	1	F	Rel-6	Agreed
N3-040096	10.2	CR	Impact of Forking on Outgoing call interworking	Siemens	IMS-CCR-IWCS	29.163	035	1	F	Rel-6	Revised in N3-040123
N3-040097	10.2	CR	Impact of Forking on COLP supplementary service	Siemens	IMS-CCR-IWCS	29.163	036	1	F	Rel-6	Agreed
N3-040098	10.3	CR	Impact of Forking on Mn procedures	Siemens	IMS-CCR-IWCS	29.163	033	1	F	Rel-6	Revised in N3-040125
N3-040099	10.2	CR	Criteria for sending UPDATE in BICC	Ericsson	IMS-CCR-IWCS	29.163	032	1	F	Rel-6	Revised in N3-040124
N3-040100	10.2	CR	Informative annex for misalignments with Q.1912.5	Nortel Networks	IW-CCR-IWCS	29.163	031	1	B	Rel-6	Revised in N3-040122
N3-040101	10.4	CR	Gq flows update for Diameter	Nokia	QoS1	29.208	058	1	B	Rel-6	Revised in N3-040128
N3-040102	10.4	[CR]	Gq messages	Nokia	QoS1	29.209			B	Rel-6	Revised in N3-040129
N3-040103	10.4	[CR]	Gq attributes	Nokia	QoS1	29.209			B	Rel-6	Agreed
N3-040104	10.4	[CR]	Gq message usage	Nokia	QoS1	29.209			B	Rel-6	Revised in N3-040130
N3-040105	10.4	[CR]	Adding a section on advertising application support	Orange	QoS1	29.209			B	Rel-6	Agreed
N3-040106	10,2	LS out	LS on MGCF requesting sequential forking	CN3							Approved
N3-040107	10.2	LS out	LS on early media and IMS/CS interworking	CN3							Revised in N3-040112

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040108	10.7	TS	A draft TS for the Wi interface	Nokia							email distribution
N3-040109	7	LS in	LS on multiple IMS sessions using the same PDF Context	SA2							postponed to next CN3
N3-040110	7	LS out	LS on the use of GTP for WLAN-GPRS interworking	CN3							Withdrawn
N3-040111	7	LS out	LS reply to RTP / RTCP split	CN3							Approved
N3-040112	10.2	LS out	LS on early media and IMS/CS interworking	CN3							Approved
N3-040113	10.8	CR	TFT Passed on the Gi Interface	Vodafone	Other	29.061	102	1	B	Rel-6	postponed to next CN3
N3-040114	10.8	CR	IMEISV Passed on the Gi Interface	Vodafone	Other	29.061	103	1	B	Rel-6	Agreed
N3-040115	9.2	CR	Network-Initiated Service Change for SCUDIF	Siemens	TEI	23.172	025	2	B	Rel-6	Agreed
N3-040116	9.1	CR	Session modification when a biderctional media is done unidirectional	Nortel Networks	E2EQoS	29.207	113	2	F	Rel-5	Agreed
N3-040117	9.1	CR	Session modification when a biderctional media is done unidirectional	Nortel Networks	E2EQoS	29.208	056	2	F	Rel-5	Agreed
N3-040118	9.1	CR	Traffic handling priority in the mapping tables	Siemens	E2EQoS	29.207	121		F	Rel-5	Revised in N3-040131
N3-040119	9.2	CR	SCUDIF corrections for CAMEL interworking	Nokia	SCUDIF	23.172	022	2	F	Rel-5	Agreed
N3-040120	9.2	CR	SCUDIF corrections for user interaction	Nokia	SCUDIF	23.172	023	2	F	Rel-5	Agreed
N3-040121	10.2	CR	Reason Header	Nortel Networks	IMS-CCR-IWCS	29.163	030	2	F	Rel-6	Agreed
N3-040122	10.2	CR	Informative annex for misalignments with Q.1912.5	Nortel Networks	IW-CCR-IWCS	29.163	031	2	B	Rel-6	Agreed
N3-040123	10.2	CR	Impact of Forking on Outgoing call interworking	Siemens	IMS-CCR-IWCS	29.163	035	2	F	Rel-6	Agreed
N3-040124	10.2	CR	Criteria for sending UPDATE in BICC	Ericsson	IMS-CCR-IWCS	29.163	032	2	F	Rel-6	Agreed
N3-040125	10.3	CR	Impact of Forking on Mn procedures	Siemens	IMS-CCR-IWCS	29.163	033	2	F	Rel-6	Agreed

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-040126	12.2	Report	Status of CN3's Specifications following SA#22	MCC							Revised in N3-040127
N3-040127	12.2	Report	Status of CN3's Specifications following SA#22	MCC							Noted
N3-040128	10.4	[CR]	Gq flows update for Diameter	Nokia	QoS1	29.208	058	2	B	Rel-6	Agreed
N3-040129	10.4	[CR]	Gq messages	Nokia	QoS1	29.209		0	B	Rel-6	Agreed
N3-040130	10.4	[CR]	Gq message usage	Nokia	QoS1	29.209		0	B	Rel-6	Agreed
N3-040131	9.1	CR	Traffic handling priority in the mapping tables	Siemens	E2EQoS	29.207	121	1	F	Rel-5	Agreed
N3-040132	9.1	CR	Traffic handling priority in the mapping tables	Siemens	E2EQoS	29.208	060	1	F	Rel-5	Agreed
N3-040133	10.4	TS	Unofficial version of 29.208 Rel-6 to cover changes necessary for the Gq interface	Siemens							email distribution
N3-040134	10.4	TS	Unofficial version of 29.207 Rel-6 to cover changes necessary for the Gq interface	Siemens							email distribution
N3-040135	10.4	TS	Unofficial version of 29.209 Rel-6 to cover changes necessary for the Gq interface	Siemens							email distribution

135 documents treated at this meeting

History:

Document History	
27th Feb 2004	DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list. Comments, if any, to be addressed to: David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 e-mail: *david.boswarthick@ETSI.org* A deadline of 1 week was given to the CN3 delegates for e-mail comments on the draft report. **Comments back by 4th March 2004**
xxx	Updated DRAFT v2.0.0 placed to the server
xxx	N3-040 [v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#31 meeting. Updated to N3-040xyz and placed to the server as v3.0.0.