



## Third Generation Partnership Project

[DRAFT] Meeting Report v1.0.0  
for  
3GPP TSG CN WG 3  
Meeting #27

Dublin, Ireland  
10<sup>th</sup> - 14<sup>th</sup> February, 2003.



Hosted by



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## 1. Opening of the Meeting

The 27<sup>th</sup> CN3 meeting took place from 10<sup>th</sup> - 14<sup>th</sup> February 2003, in Dublin Ireland.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday.

Mr Klehn also welcomed the CN3 delegates to Dublin on behalf of the hosts, and explained the logistical details for the rest of the week.

### Objectives for the Meeting:-

- ?? TR 29.962 (SIP interworking) has to be updated and completed by CN3 in order to give CN1 the possibility to review it at their April CN1 meeting. Ownership is with CN3.
- ?? Progress 29.163. In May, resync based upon the output of the April SG11 rapporteurs meeting. Proceed as a standalone document with an eye towards eventual alignment and referencing of Q.1912.SIP.
- ?? Complete open items on TS 29.207 and 29.208.
- ?? Provide statistics on the number of delegates participating for IMS only, GSM or GPRS only, or both. This will provide input for further reorganization discussions
- ?? Elect new CN3 officials.

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## 2 Approval of the agenda

**N3-030001: CN3#26 Draft Meeting Agenda, source CN3 Chairman.**

**CONTENT:** Contains the draft agenda for CN3#26 Meeting.

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

**RESULT:** The Agenda was **APPROVED**.

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## 3 Registration of documents

**N3-030002: 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**.

**N3-030003: Allocation of documents to Agenda items for (Start Day 3).**

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

**N3-030004: Allocation of documents to Agenda items for (Start Day 4).**

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

**N3-030005: Allocation of documents to Agenda items (Start Day 5).**

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

**N3-030006: Allocation of documents to Agenda items (End of Day 5).**

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

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## 4 Reports

### 4.1 Report of last CN3 Meeting

**N3-030007: CN3#26 Draft Meeting Report, source MCC.**

**CONTENT:** Contains the draft meeting report for the CN3#26 (Bangkok).

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

**CN WG chairs are asked to provide statistics on the number of delegates participating for IMS only, GSM or GPRS only, or both. This will provide input for further reorganization discussions.**

**RESULT: All CN3 delegates have an interest in both IMS and CS subjects.**

**N3-030008: CN#18 Draft Meeting Report, source MCC.**

**CONTENT:** Contains the draft meeting report for the CN#18 (New Orleans).

**RESULT:** The document was **NOTED**.

**N3-030009: Brief notice from CN#18 relevant for CN3, source CN3 Chairman.**

**CONTENT:** Contains the email from CN3 chair to CN3 email exploder containing hi-lights of CN#18.

**RESULT:** The document was **NOTED**.

**N3-030010: Email on Highlights of CN#18/SA#18, source CN Chairman.**

**CONTENT:** Contains the email from CN chair to CN email exploder containing hi-lights of CN#18.

**RESULT:** The document was **NOTED**.

### 4.3 Reports of other groups

No documents for this agenda item

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## 5 IPR disclosures

The Chairman reminded delegates of the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were invited:

- ?? to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of TSG\_CN and the CN working groups
- ?? to notify the Director-General or chairman of their respective Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms

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## 6 Items for immediate consideration

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

No documents for this agenda item

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## 7 Received Liaison Statements

**N3-030015**      **Reply LS on CS data services for GERAN Iu-mode, source CN4.**

**CONTENT:**      CN4 inform SA2 and CN3 that CN4 has introduced a new parameter "GERAN-Classmark" and the related procedure descriptions in the specifications (29.002, 29.010, 23.205, 23.153).

**RESULT:**        The document was **NOTED**.

**N3-030016**      **LS on list of core IMS specifications for Access Independence, source CN4.**

**CONTENT:**      CN4 have reviewed the list of core IMS specifications provided by SA2.

**RESULT:**        The document was **NOTED**.

**N3-030017**      **LS on proposed list of core IMS specifications for Access Independence, source CN1.**

**CONTENT:**      CN1 have reviewed the list of core IMS specifications provided by SA2.

**RESULT:**        The document was **NOTED**.

**N3-030018**      **Liaison Response on Signalling Requirements for IP-QoS, source ITU-T SG11.**

**CONTENT:**      Study Group 11 has begun development of the Signalling Requirements for IP-QoS. The signalling requirements are based on Y.1541, Y.qosar, Y.1540, Y.1221 and E.QSC. This work is looking at end to end QoS independent of access technology and network transport. The preliminary work was captured in an initial draft

ITU-T ask 3GPP to keep them informed of the work on an on-going basis, in order to aid in progressing the signalling requirements for IP-QoS.

**DISCUSSION:** CN Plenary forwarded this to CN3 but advised that SA2 is more responsible for the similar stage 2 specifications. It is expected that SA1/2 will respond to such an LS.

**RESULT:**        The document was **NOTED**.

**N3-030019**      **Final response to LS on "Procedure for specifying UMTS QoS parameters per application", source SA4.**

**CONTENT:**      SA4 has rewritten Annex B of TS 26.236 ("Mapping of SDP parameters to UMTS QoS parameters"). Different application use cases have been identified (VoIP, VoIP with multiple rates, uni-directional video and video telephony) and QoS profile parameters tables for examples of those applications have been defined. The attachment to the LS contains the above mentioned Annex B, which includes examples of guaranteed bit rates for different conversational multimedia applications.

**DISCUSSION:** Nortel have discovered some errors in the ANNEX of the attachment (see LS in N3-030038).

Also there may be a requirement to update the tables in TS 29.208.

**RESULT:**        The document was **POSTPONED to 9.1.3**.

**N3-030038**      **LS Reply to N3-030019 on QoS SDP mapping, source Nortel Networks.**

**CONTENT:**      Referring to the LS from SA4 (N3-030019), Some of the information contained in the Annex B of TS 26.236 ("Mapping of SDP parameters to UMTS QoS parameters") after the CR1v2 (SA4-020718) has been detected as unclear or even incorrect. CN3 is sending this LS to point out those items.

Although this is only an informative annex, it is likely that this mapping will be taken as standard or, at least, as a strong guidance by operators and vendors and could be

expected to be used in field configurations and IOT testing. Therefore we consider important the clarification of the following points:

1. Traffic handling priority (THP) is only applicable for interactive class, and the annex B exclusively refers to conversational class. Therefore, that parameter should be removed from the tables shown.
2. Allocation/Retention priority is said to have the value of "subscribed traffic handling priority". THP is not applicable for conversational class. Allocation/Retention should be set to "subscribed A/R priority".
3. Case 2: Unidirectional video. This is not a conversational class. One-way audio or video is streaming traffic class.
4. Transfer delay. It is not clear if this parameter is referring to the end-to-end delay or only to the UMTS bearer. We believe that the transfer delay is referring only to the UMTS bearer and in that case 100ms is enough and a correct value, but this should be clarified to avoid confusion.

**DISCUSSION:** Agreed to remove point 3. Point 4 is renumbered to point 3.

Correction to LS title.

**RESULT:** The document was **REVISED to 0170**.

? **REVISED?**

**N3-0300170** **LS Reply to N3-030019 on QoS SDP mapping, source Nortel Networks.**

**RESULT:** The document was **APPROVED**.

**N3-030020** **In response to your views and requirements concerning SIP-ISUP/BICC interworking, source ITU-T SG11, WP3 Questions 11 & 12/11.**

**CONTENT:** On the requirement level three different profiles are defined. Profile A makes reference to 3GPP TS 24.229. The three profiles are the basis for the protocol work (on draft Q.1912.SIP).

The earliest date that Q.1912-sip can be consented is 2003-09-12. After that an approval procedure is initiated. Therefore the earliest date, assuming successful approval, that recommendation can be approved is November 2003.

It is planned to have an interim Rapporteurs meeting scheduled on 7-11 April 2003 and one electronic meeting later for possible line by line review, which will deal with SIP - BICC/ISUP interworking.

The recommendation Q.1912.sip will be a document encompassing the protocol for the three SIP-profiles. The text related to profile A constitutes an integrated part of Q.1912.sip.

2 documents are attached to the LS that constitutes the current baselines for draft Recommendation Q.1912.sip.

**DISCUSSION:** It was suggested to respond to SG.11 asking to be kept informed of progress. Alf Heidermark of LM Ericsson (the author of the original LS) suggested he could provide an informal liaison between 3GPP and ITU-T on a company based handling. Alf (or a representative from his company) kindly offered to inform (on a purely informal basis) CN and CN3 of progress in SG.11 on this issue and will also inform SG.11 of progress with CN work in this area.

**RESULT:** The document was **NOTED**.

**N3-030033** **Liaison Statement on Interworking between IMS and CS networks, source SA2.**

**CONTENT:** SA2 is aware that CN3 is conducting work on Interworking between IMS and CS networks. In relation with this work, possible conflicts with the IMS reference architecture, figure 6 in TS 23.002, have been raised.

As a clarification, SA2 would like to point out that the IM CN subsystem shall be able to interwork with CS networks, including PSTN, ISDN, and CS domain of the "breakout"

network. It was not the intention of the architecture to restrict the interworking strictly to a PSTN.

**DISCUSSION:** Nokia felt that although the LS makes a clear statement, the corresponding changes have not been made to the Stage 2 specifications. This needs to be done, before CN3 can adopt this assumption. It was mentioned that SA2 are looking at CRs to do this.

The LS relates to the discussion paper from Siemens in N3-030097.

It was decided not to send a LS to back to SA2, but await the completion of the stage 2 CRs.

**RESULT:** The document was **NOTED**.

**N3-030034 Adoption of SDP bandwidth modifier for RTCP, source SA4.**

**CONTENT:** SA4 thanks CN1 and CN3 WGs about the revision of their interpretation of the b=AS parameter in SDP, and the corresponding alignment to the SA4 interpretation. This guarantees a common understanding about this issue.

SA4 has decided to adopt the "SDP bandwidth modifier for RTCP" RFC in its TS 26.234 and TS 26.236. The details of the solution will be specified at the SA4#25bis meeting. (late Feb 2003).

**DISCUSSION:** CN3 will await the output from SA4.

**RESULT:** The document was **NOTED**.

**N3-030135 LS to CN3 on Proposed Split of work between 29.163 & 29.332, source CN4.**

**CONTENT:** CN4 discussed the proposed split of work for the IMS-CS interworking and in detail the split between the stage 2 and stage 3 specifications: 29.163 and 29.332.

It was agreed that the split of work should remain as for the Mc interface, specifically:

29.332 should document the behaviour of the MGW in handling messages from the MGCF so that the MGW designer can rely on it without the need to refer to the stage 2 description in 29.163; 29.163 should document the behaviour of the MGCF in interworking between IMS & CS (or whatever else), and the way in which the MGCF invokes the Mn interface signalling procedures.

CN4 asks CN3 to discuss this within the working group so that both groups can work under the same principles. CN4 understand that a joint meeting may be needed to finalise this issue.

**DISCUSSION:** CN3 could agree the work split in principle, there was some concern on the details.

The issue of procedures needs to be clarified.

CN3 agreed to adopt the CN4 proposal for work split and Ericsson will bring the related contributions to the next CN3 meeting. A brief response LS is provided in N3-020142.

**RESULT:** The document was **NOTED**.

**N3-030142 Re. LS to CN4 on Proposed Split of work between 29.163 & 29.332, source CN4.**

**CONTENT:** CN3 thank CN4 for their LS on the split of work for the IMS-CS TSs. After a short discussion it was agreed that the work split should follow the same approach as for the 23.205/29.232 specifications as proposed by CN4. CN3 will take this into account when reviewing drafts submitted to this meeting, ensuring that the proposed approach is adopted for revisions and later drafts to 29.163.

**RESULT:** The document was **APPROVED**.



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## 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

**N3-030022**    **CR 09.61-R97: Correction of figure for Radius Accounting Update, source Siemens AG.**

**CONTENT:**    Corrects the figure 24. Correspond to CRs that have already been approved by CN and implemented in later versions of 09.61 and 29.061.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:**     The document was **AGREED to be MERGED (to 0120)**.

**N3-030023**    **CR 09.61-R98: Correction of figure for Radius Accounting Update, source Siemens AG.**

**CONTENT:**    Corrects the figure 24. Correspond to CRs that have already been approved by CN and implemented in later versions of 09.61 and 29.061.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:**     The document was **AGREED to be MERGED (to 0121)**.

**N3-030024**    **CR 09.61-R97: Correction of References, source Siemens AG.**

**CONTENT:**    Adds missing references and corrects the references 23.003 -> 03.03, 24.008 -> 04.08 and 29.060 -> 09.60, as hi-lighted by CN#18 meeting.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:**     The document was **AGREED to be MERGED (to 0120)**.

**N3-030025**    **CR 09.61-R98: Correction of References, source Siemens AG.**

**CONTENT:**    Adds missing references and corrects the references 23.003 -> 03.03, 24.008 -> 04.08 and 29.060 -> 09.60, as hi-lighted by CN#18 meeting.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:**     The document was **AGREED to be MERGED (to 0121)**.

**N3-030035**    **CR 29.061-R99: Correction of References, source Siemens AG.**

**CONTENT:**    Corrects the references to 23.003 and 29.060.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:**     The document was **AGREED to be MERGED (to 0122)**.

**N3-030036**    **CR 29.061-Rel4: Correction of References, source Siemens AG.**

**CONTENT:**    Corrects the references to 23.003 and 29.060.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0123)**.

**N3-030037 CR 29.061-Rel5: Correction of References, source Siemens AG.**

**CONTENT:** Corrects the references to 23.003 and 29.060.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0124)**.

**N3-030026 CR 09.61-R97: Correction of message names in figures, source Siemens AG.**

**CONTENT:** Aligns the message names in the figures with those used in the text.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0120)**.

**N3-030027 CR 09.61-R98: Correction of message names in figures, source Siemens AG.**

**CONTENT:** Aligns the message names in the figures with those used in the text.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0121)**.

**N3-030028 CR 29.061-R99: Correction of message names in figures, source Siemens AG.**

**CONTENT:** Aligns the message names in the figures with those used in the text.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0122)**.

**N3-030029 CR 29.061-Rel4: Correction of message names in figures, source Siemens AG.**

**CONTENT:** Aligns the message names in the figures with those used in the text.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0123)**.

**N3-030030 CR 29.061-Rel5: Correction of message names in figures, source Siemens AG**

**CONTENT:** Aligns the message names in the figures with those used in the text.

**DISCUSSION:** CN3 agree to the CR, but it will be merged into a larger CR incorporation other CRs to the same specification.

**RESULT:** The document was **AGREED to be MERGED (to 0124)**.

## **8.2 Circuit switched Bearer Services [GPRS]**

**N3-030061 Discussion: TS 24.008 and TS 27.001 misalignment, source L.M.Ericsson.**

**CONTENT:** The document hi-lights the discrepancy between TS 27.001 v.3.11.0 and TS 24.008 v.3.14.0 for ACC and MaxNumTCH parameters interpretation for UTRAN, e.g. in section B.1.3.1.5 of 27.001.

**RESULT:** The document was **NOTED**.

**N3-030062**      **CR 27.001-R99: Modification to FTM service tree diagram to reflect the possibility to not have sent the three parameters ACC, UIMI and MaxNumTCH, source L.M.Ericsson.**

**CONTENT:**      The CR proposes a solution to the discrepancy hi-lighted in the discussion document.

**DISCUSSION:**      Siemens had an alternative but similar proposal. Also Siemens commented that the note 10 that has been added to B.1.2 is not valid, as the lower user rates (9.6kbit/s) will be excluded if the change is incorporated as it is presented in the CR.

Interested parties examined the CR in an offline session.

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

? **REVISED?**

**N3-030115**      **CR 27.001-R99: Modification to FTM service tree diagram to reflect the possibility to not have sent the three parameters ACC, UIMI and MaxNumTCH, source L.M.Ericsson.**

**DISCUSSION:**      Clarifications on 24.008 are required before we can align 27.001.

The change has not yet been seen in CN1 but will be available by the end of the CN1 meeting.

If CN1 agree their CR to 24.008, this CR to 27.001 will be placed on email approval.

The CR will be made available by Wed 19<sup>th</sup>

Reviewed until Wed 26<sup>th</sup>

Approval until Fri 28<sup>th</sup>.

**RESULT:**      The document was **placed on e-mail approval.**

### 8.3      **Bearer Independent Circuit switched Core network [CS Data]**

**N3-030084**      **CR 23.910: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

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

? **REVISED?**

**N3-030116**      **CR 23.910: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

**RESULT:**      The document was **AGREED.**

**N3-030085**      **CR 23.910: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

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

? **REVISED?**

**N3-0300117**      **CR 23.910: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

**RESULT:**      The document was **AGREED.**

**N3-030086**      **CR 29.007: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

**RESULT:**      The document was **REVISED before presentation to 0118.**

? **REVISED?**

**N3-0300118**      **CR 29.007: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

**RESULT:**      The document was **AGREED.**

**N3-030087 CR 29.007: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

**RESULT:** The document was **REVISED before presentation to 0119.**

**? REVISED?**

**N3-0300119 CR 29.007: Use of Nb UP protocol after inter-MSC handover, source Siemens.**

**RESULT:** The document was **AGREED.**

**N3-030088 CR 29.415: No backward compatibility to Nb UP FP support mode version 1, required, source Siemens.**

**CONTENT:** The support mode version 1, as used on the lu interface in Release 99, is not required at the Nb interface for backward compatibility and need not be supported.

**DISCUSSION:** Should not mandate the support mode version 1 is not required at the Nb.

**RESULT:** The document was **REVISED to 0174.**

**? REVISED?**

**N3-030174 CR 29.415: No backward compatibility to Nb UP FP support mode version 1, required, source Siemens, Ericsson.**

**CONTENT:** The support mode version 1, as used on the lu interface in Release 99, is not required at the Nb interface for backward compatibility and need not be supported.

**RESULT:** The document was **AGREED.**

**N3-030089 CR 29.415: No backward compatibility to Nb UP FP support mode version 1, source Siemens.**

**CONTENT:** The support mode version 1, as used on the lu interface in Release 99, is not required at the Nb interface for backward compatibility and need not be supported.

**DISCUSSION:** Should not mandate the support mode version 1 is not required at the Nb.

**RESULT:** The document was **REVISED to 0175.**

**? REVISED?**

**N3-030175 CR 29.415: No backward compatibility to Nb UP FP support mode version 1, source Siemens, Ericsson.**

**CONTENT:** The support mode version 1, as used on the lu interface in Release 99, is not required at the Nb interface for backward compatibility and need not be supported.

**RESULT:** The document was **AGREED.**

## **8.4 Technical Enhancements & Improvements [TEI]**

**N3-030056 CR 27.001- Rel4: Removal of S reference point within the MS, source Siemens AG.**

**CONTENT:** The CR removes the S reference point as a MS internal interface.

**DISCUSSION:** Condition that CN1 agrees corresponding CR to 24.002.

Ericsson suggested adding more information to figure 1 to make it similar to figure 2.

Siemens proposed awaiting the decision from CN1 with regards to the figures.

**RESULT:** The document was **REVISED to 0145.**

**? REVISED?**

**N3-030145 CR 27.001- Rel4: Removal of S reference point within the MS, source Siemens AG.**

**DISCUSSION:** The related contributions were agreed in CN1.

**RESULT:** The document was **AGREED.**

**N3-030057 CR 27.001- Rel5: Removal of S reference point within the MS and introduction of GERAN lu mode, source Siemens AG.**

**CONTENT:** The CR removes the S reference point as a MS internal interface.

**DISCUSSION:** Condition that CN1 agrees corresponding CR to 24.002.

Ericsson suggested adding more information to figure 1 to make it similar to figure 2.

Siemens proposed awaiting the decision from CN1 with regards to the figures.

**RESULT:** The document was **REVISED to 0146.**

? **REVISED?**

**N3-030146 CR 27.001- Rel5: Removal of S reference point within the MS and introduction of GERAN lu mode, source Siemens AG.**

**DISCUSSION:** The related contributions were agreed in CN1.

**RESULT:** The document was **AGREED.**

**N3-030060 Discussion: Alternatives for the release of IP address/prefix in the AAA server, source L.M.Ericsson.**

**CONTENT:** Contains a discussion on how to indicate to the AAA server that the IP address/prefix can be released. Proposes 3 possible solutions:-

1. Stick to the existing solution with a "Session Stop indicator" for the last PDP context. No changes would be required. However, there is a risk of certain serious errors, e.g. the same IP address be assigned to several UE's at the same time.
2. Introduce a new "Session Continue Indicator" to be used for all PDP contexts except for the last one. Normal RADIUS indication for releasing the IP address is retained, hence error probability may be reduced. Also, this would imply an alignment with 3GPP2
3. Combine 1 and 2 above. This would imply an explicit indication in all cases, and may be a robust solution,

**DISCUSSION:** Megisto Systems suggested a fourth solution that would be to align with the normal procedure which would be to release the IP address when you get the accounting stop.

Ericsson replied that we cannot release the IP address until we release the last PDP context.

'Three' questioned why this is a serious error. Normally the GGSN will detect this IP address conflict as an error and take the appropriate action. Three did not see this as a serious and reoccurring fault that needs correcting in earlier releases.

No agreement could be made on this topic.

**RESULT:** The document was **NOTED.**

**N3-030105 CR 09.61-R97: Correction of references and specification corrections, source MCC.**

**CONTENT:** Cleans up and adds missing references - applies correct drafting rules throughout the document

**DISCUSSION:** The EXAMPLE will be renamed in figure 11.

To be combined with the Siemens CR.

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

? **REVISED?**

**N3-030120 CR 09.61-R97: Correction of references and specification corrections, source Siemens, MCC.**

**CONTENT:** Combines several changes including the editorials, the change to the references as requested by CN Plenary and the addition of the correct references 3GPP TS 03.03 and 3GPP TS 09.60.

**RESULT:** The document was **AGREED**.

**N3-030106** **CR 09.61-R98: Correction of references and specification corrections, source MCC.**

**CONTENT:** Cleans up and adds missing references - applies correct drafting rules throughout the document

To be combined with the Siemens CR.

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

? **REVISED?**

**N3-030121** **CR 09.61-R98: Correction of references and specification corrections, source Siemens / MCC.**

**CONTENT:** Combines several changes including the editorials, the change to the references as requested by CN Plenary and the addition of the correct references 3GPP TS 03.03 and 3GPP TS 09.60. Also removes the redundant references from the definition section.

**RESULT:** The document was **AGREED**.

**N3-030107** **CR 29.061-R99: Correction of references and specification corrections, source MCC.**

**CONTENT:** Cleans up and adds missing references - applies correct drafting rules throughout the document

**DISCUSSION:** To be combined with the Siemens CR.

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

? **REVISED?**

**N3-030122** **CR 29.061-R99: Correction of references and specification corrections, source Siemens / MCC.**

**CONTENT:** Combines several changes including the editorials, the change to the references as requested by CN Plenary.

**RESULT:** The document was **AGREED**.

**N3-030108** **CR 29.061-Rel4: Correction of references and specification corrections, source MCC.**

**CONTENT:** Cleans up and adds missing references - applies correct drafting rules throughout the document

**DISCUSSION:** To be combined with the Siemens CR.

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

? **REVISED?**

**N3-030123** **CR 29.061-Rel4: Correction of references and specification corrections, source Siemens / MCC.**

**CONTENT:** Combines several changes including the editorials, the change to the references as requested by CN Plenary.

**RESULT:** The document was **AGREED**.

- N3-030109**      **CR 29.061-Rel5: Correction of references and specification corrections, source MCC.**
- CONTENT:**      Cleans up and adds missing references - applies correct drafting rules throughout the document
- DISCUSSION:**    To be combined with the Siemens CR.
- RESULT:**        The document was **REVISED to 0124.**
- ? REVISED?**
- N3-030124**      **CR 29.061-Rel5: Correction of references and specification corrections, source Siemens / MCC.**
- CONTENT:**      Combines several changes including the editorials, the change to the references as requested by CN Plenary.
- RESULT:**        The document was **AGREED.**
- N3-030110**      **CR 24.022-Rel5: Correction of references and specification corrections, source MCC.**
- CONTENT:**      Cleans up and adds missing references - applies correct drafting rules throughout the document. Corrects an incorrect reference.
- DISCUSSION:**    Commas instead of fullstops.  
CAT F not CAT A.
- RESULT:**        The document was **REVISED to 0125.**
- ? REVISED?**
- N3-030125**      **Rev. CR 24.022-Rel5: Correction of references and specification corrections, source MCC.**
- RESULT:**        The document was **AGREED.**

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## 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

**N3-030045 CR 29.061: Signalling PDP context indication, source Nokia.**

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

**N3-030046 CR 29.061: Terminology correction, source Nokia.**

**CONTENT:** Changes PCF to PDF and makes some minor updates to the abbreviations section.

**RESULT:** The document was **AGREED**.

#### 9.1.2 29.207

**N3-030013 Open issues for TS29.207, Version 5.0.0, source CN3**

**CONTENT: Open issues:**

- ?? The sections for DiffServ edge function are still empty since the requirement for DiffServ interworking has been given lower priority by SA2 (section 4.3.1.4 and A.1.2). The contents of these sections have to be decided on receiving a response LS from SA2.  
✗ **[CLOSED]** by TS29.207 CR011r1 (N3-020725).
- ?? The wildcarding of source IP address has to be specified on receiving a response LS from SA2 (section 4.3.1.3 and 5.2.1.1).  
✗ **[CLOSED]** by TS29.207 CR022r2 (N3-020731).
- ?? The handling of IMS charging ID has to be detailed on receiving a response LS from SA5 (section 6.3.2).  
✗ **[CLOSED]** by TS29.207 CR061r1 (N3-020993).
- ?? The handling of an error case caused by discrepancy between authorized QoS information and TFT parameters has to be studied based on the decision of SA2 (section 4.3.1.3 and 5.1.4).  
✗ **[CLOSED]** by TS29.207 CR012r1 (N3-020676).
- ?? The mapping of authorized data rate into UMTS QoS bit rate parameter has to be decided (section 4.3.1.1 and 5.2.1.1).  
✗ **[CLOSED]** by TS29.207 CR006r1 (N3-020673).
- ?? The initialisation and maintenance of GGSN and PCF have to be specified (section 4.3.1.2 and 4.3.2.2).  
✗ **[CLOSED]** by TS29.207 CR025r1 (N3-020686).
- ?? A solution for possible theft of service has to be studied and determined (section 4.3.2.1).  
✗ **[CLOSED]** by TS29.207 CR034r1 (N3-020867).
- ?? The location of UE specific descriptions has to be decided (annex A).  
✗ **[CLOSED]** by TS29.207 CR021 (N3-020607).
- ?? The limitation table of Go PIB has to be updated (annex B).  
✗ **[CLOSED]** by TS29.207 CR005r1 (N3-020677).
- ?? The support of forking shall be considered. (new requirement added to TS23.228 by a CR agreed at SA#16) An additional procedure of session modification initiated decision is required to fulfil this.  
✗ **[CLOSED]** by TS29.207 CR016r3 (N3-020722) and CR033r1 (N3-020721).
- ?? **A reference to Internet Draft shall be updated to refer to RFC.**  
✗ **[OPEN]** Waiting for RFC number to be assigned for *draft-ietf-rap-rsvp-authsession*.



?? An IANA number for PIB shall be assigned.  
✗ **[CLOSED]** by TS29.207 CR057r1 (N3-020987).

**DISCUSSION:** Only one open issue, remains as CN3 is still awaiting the RFC number.  
Some additional open issues have been introduced by CRs presented to this meeting.  
This document will no longer be maintained. CN3 chair will report status to plenary in his chairman's report.

**RESULT:** The document was **NOTED**.

**N3-030041** **CR 29.207: Editorial clean up and terminology corrections, source Nortel Networks.**

**DISCUSSION:** Removal of (s) from some terms.  
Addition of abbreviations to the main COPS messages to align with the proposed change.  
Update date and base reference of specification need to be updated in the PIB.  
Additional editorial corrections were suggested by MCC.

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

? **REVISED?**

**N3-030126** **CR 29.207: Editorial clean up and terminology corrections, source Nortel Networks.**

**DISCUSSION:** Ref 15 is had been incorrectly changed - should be changed back to RFC 3318.  
Removal of the redundant editors note in 5.2.1.1.

**RESULT:** The document was **REVISED to 0165**.

? **REVISED?**

**N3-030165** **CR 29.207: Editorial clean up and terminology corrections, source Nortel Networks.**

**RESULT:** The document was **AGREED**.

**N3-030090** **CR 29.207: Correction on Devise Capabilities, source Siemens.**

**DISCUSSION:** Proposed changes already covered by 0041.

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

**N3-030042** **CR 29.207: go3gpplcidValue is OCTECT STRING, change to Unsigned32, source Nortel Networks.**

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

**N3-030047** **CR 29.207: Invalid Flow ID, source Nokia.**

**CONTENT:** Presently there is no error code for PDF to indicate invalid Flow id but only error code at session level. This CR expands Error code No.6 "No corresponding session" to cover both session and flow levels.

**DISCUSSION:** Ericsson had concerns with the CR and identified possible problems relating to fraud.  
It could also introduce some inconsistencies between the UE and the GGSN.  
The meeting was of the opinion that the PDP context will be rejected.  
After much discussion it was agreed that the text was clear enough.

**RESULT:** The document was **AGREED**.

**N3-030078 CR 29.207: Clarification on the generation of the authorisation token, source Orange France**

**CONTENT:** The authorization token is generated at session set-up and a new authorization token is generated at session modification if QoS changes as stated in the RFC 3313 on Media authorization. And a new reference to the IETF RFC 3313 is added.

**DISCUSSION:** Siemens and Nokia see no conflict with the stated RFC. Also it is not allowed to add a reference to the section 2 if it is not used in the text. The originator of the CR will look for an appropriate place in the body of the TS to insert the reference.

**RESULT:** The document was **PARTLY AGEED. Agreed parts to be MERGED (to 0126).**

**N3-030140 Summary of ad hoc discussion on token change, source Ad Hoc group.**

**CONTENT:** The group considered the situation where there is only one set of binding information associated with a PDP context (i.e. the Rel-5 case). The network may detect that the token for a PDP context is changed in a PDP Context modification request. How should we deal with this in Rel-5? How to make sure that a Rel-5 UE is compatible with a Rel-6 network?

**Tentative agreement**

1. The UE shall not be allowed to change the token for a PDP context. A CR for the UE may be needed.
2. A token change may still occur, e.g. due to an error or a fraud attempt. The token shall be checked by the PDF(i.e. it is compared with the existing token for the actual client handle). A token change shall be reported back as an error response to the GGSN, which would then reject the request from the UE. A CR to 29.207 may be needed.

**DISCUSSION:** CN3 agreed to the ad hoc's agreement.

Decided to send a LS to SA2 and CN1 asking SA2 to confirm our working assumption. The LS is contained in N3-030164.

**RESULT:** The document was **NOTED.**

**N3-030164 LS on "Not allowing token changes for a PDP context"**

**CONTENT:** In the LS CN3 asks SA2 to confirm the CN3 working assumption for token changes for Rel-5.

**DISCUSSION:** Some companies suggested this LS is not necessary (at least not for SA2).

It is assumed that the UE is not allowed to re-use a PDP context.

Ericsson mentioned that an LS has already been received from SA2 (several meetings ago), stating something very similar to CN3's working assumption.

**RESULT:** The document was **REVISED to 0188.**

**? REVISED?**

**N3-030188 LS on "Not allowing token changes for a PDP context"**

**DISCUSSION:** Nortel will present this LS to SA2.

**RESULT:** The document was **APPROVED.**

**N3-030048 CR 29.207: Clarification to binding information handling, source Nokia.**

**CONTENT:** Makes a clarification to the Binding Information Handling.

**DISCUSSION:** Minor changes to the text were requested for clarification.

Remove the change from " i.e. the authorization token . . . "

Discussed in an ad hoc session.

**RESULT:** The document was **REVISED to 0127.**

? **REVISED?**

**N3-030127 CR 29.207: Clarification to binding information handling, source Nokia.**

**RESULT:** The document was **AGREED.**

**N3-030072 CR 29.207: Reject change of token in PDP context modification, source L.M.Ericsson.**

**CONTENT:** The CR specifies the GGSN behaviour if it receives a modified token in a PDP context modification.

**DISCUSSION:** Nokia mentioned that it's the PDF that changes the address not the UE. This change could introduce incompatibility problems.

Nortel stated that the GGSN should examine the 'authorisation token' only upon connect, not during the modification. It is the responsibility of the PDF to deal with the authorisation token. Megisto agreed that the GGSN does not have the responsibility of policing the information elements during the lifetime of the PDF.

Nortel objected to having the GGSN monitoring the authorisation token.

The assumption on the Go interface is that the authorisation token does not change when we change QoS.

Discussed in an ad hoc session.

**RESULT:** The document was **REVISED to 0158.**

? **REVISED?**

**N3-030158 CR 29.207: Reject change of token in PDP context modification, source L.M.Ericsson.**

**DISCUSSION:** Siemens questioned the need for a new error code. Could an existing one not be re-used. Ericsson replied that this may be possible, but as the change of token mechanism is complex, it would be valuable information to have the unique error code.

Nokia supported a separate error code, but added that the explanation of the error code needs to be changed. Improved text was proposed.

Modification to the 'reason for change'.

Also do not need to specify the auth request is sent to the "initial" PDF. (discussed in offline session). Proposal to replace PDP context by handle in clause 7.

Rewording proposed to clause 5.2.1.1 to include the client handling.

**RESULT:** The document was **REVISED to 0166.**

? **REVISED?**

**N3-030166 CR 29.207: Reject change of token in PDP context modification, source L.M.Ericsson.**

**DISCUSSION:** Re-uses the error code 6.

Also in clause 4.3.2.3 " Binding mechanism handling" requires a related change.

Relates closely with the Nokia CR 047 to 29.207.

**RESULT:** The document was **REVISED to 0181.**

? REVISED?

**N3-030181** CR 29.207: Reject change of token in PDP context modification, source L.M.Ericsson.

**RESULT:** The document was **AGREED**.

**N3-030049** CR 29.207: Restrictions to PDP context policy decisions, source Nokia.

**CONTENT:** The change to the GGSN that shall reject a PDP context activation and modification, if it cannot acquire a positive acknowledgement from the PDF and if the PDP context modification is not within the already Authorized QoS.

**DISCUSSION:** Offline discussions lead to a revision of the document

**RESULT:** The document was **REVISED to 0132**.

? REVISED?

**N3-030132** CR 29.207: Restrictions to PDP context policy decisions, source Nokia.

**RESULT:** The document was **AGREED**.

**N3-030068** CR 29.207: Mechanism for wildcarding filter elements, source L.M.Ericsson.

**CONTENT:** Specifies the mechanism to indicate wildcards for the IP filter.

**DISCUSSION:** Megisto and Nokia had concerns with the text "*wildcarding of filter elements poses some inherent security risks*" in our Stage 3. This sort of statement really belongs in a stage 2 document. Nortel proposed to formulate some better wording.

Also the addition of data information into clause 6.4 goes against previous decisions in CN3 to include such data in the Go PIB itself.

Also requires a reference to the Framework RFC for the wildcarding. Nortel added that the wildcarding in the Framework RFC will most probably change in the coming weeks.

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

? REVISED?

**N3-030128** CR 29.207: Mechanism for wildcarding filter elements, source L.M.Ericsson.

**RESULT:** The document was **AGREED**.

**N3-030069** CR 29.207: Handling of invalid direction decision combination, source L.M.Ericsson.

**CONTENT:** Specifies the GGSN behaviour if it receives an invalid combination of decisions.

**DISCUSSION:** Nokia felt that a better solution would be to define a general mechanism for what the GGSN shall do when it cannot implement the decision given by the PDF.

On solution would be to make the existing text in Clause 4.3.1.1 could be made a requirement as opposed the present statement, and then define a more general mechanism as suggested by Nokia.

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

? REVISED?

**N3-030129** CR 29.207: Handling of invalid direction decision combination, source L.M.Ericsson.

**DISCUSSION:** .

**RESULT:** The document was **POSTPONED to CN3#28**.

- N3-030070** **CR 29.207: Restrictions on changes to binding information at PDP context modification, source L.M.Ericsson.**
- CONTENT:** Specifies the limitation on adding/removing binding information at a PDP context modification, and the appropriate error handling procedure.
- DISCUSSION:** Relates to other 'postponed' CRs [048, 070, 072, 078 and 113] and it was felt that such text is required for 27.060 and not 29.207.
- The UE is not allowed to add binding information to a PDP context that did not have it originally, and remove binding information from a PDP context. Therefore the GGSN does not need to allow for this case. Ericsson mentioned that this may happen anyway and the GGSN must have some error handling for this case.
- RESULT:** The document was **REJECTED**.
- N3-030077** **CR 29.207: Clarification on the cases of modification of the previously authorized PDP context, source Orange France.**
- CONTENT:** Adds examples for describing when a modification of the previously PDP Context may occur.
- DISCUSSION:** Minor correction to the text. Also it was mentioned that the text is only informative, and therefore cannot be classed as a stand alone 'corrective' CR.
- Proposed to add the text to a corrective CR to 29.207. Merged into the Nortel CR to 29.207 in N3-030126
- RESULT:** The document was **MERGED into 0126**.
- N3-030079** **CR 29.207: Clarification on TFT filters, source Orange France.**
- CONTENT:** Separates the handling in the GGSN for the cases where SBLP is applied and SBLP is not applied.
- DISCUSSION:** Nokia, Ericsson and Siemens agreed the original text needs improving, but felt this proposed change was not appropriate. A clearer text was proposed offline.
- RESULT:** The document was **REVISED to 0130**.
- ? REVISED?**
- N3-030130** **CR 29.207: Clarification on TFT filters, source Orange France.**
- DISCUSSION:** Remove the changes to changes.
- RESULT:** The document was **REVISED to 0167**.
- ? REVISED?**
- N3-030167** **CR 29.207: Clarification on TFT filters, source Orange France.**
- RESULT:** The document was **AGREED**.
- N3-030080** **CR 29.207: Adding a new RFC reference, source Orange France.**
- RESULT:** The document was **WITHDRAWN**.
- N3-030101** **CR 29.207: Corrections of references, source Lucent Technologies.**
- CONTENT:** Removes a duplicated reference from the specification
- DISCUSSION:** Merged into the general clean up CR from Nortel
- RESULT:** The document was **MERGED into 0126**.

**N3-030113**    **CR 29.208: Correction of what is identified with the policy element AUTH\_SESSION. source L.M.Ericsson.**

**CONTENT:**    Correction that makes the authorization token, not the binding information, that is formatted according to the structure of the policy element AUTH\_SESSION.

**DISCUSSION:** Nortel requested some time for checking. Could agree to the CR but a change may be required in the future.

**RESULT:**    The document was **AGREED**.

### 9.1.3 29.208

**N3-03014**    **Open issues for TS29.208, Version 5.0.0, source CN3.**

**CONTENT:**    Resource reservation flows with end-to-end RSVP interactions are missing (section 5.2).  
[CLOSED] by TS29.208 CR008r1 (N3-020711).

- The mapping of authorized data rate into UMTS QoS bit rate parameter has to be decided (section 7, related to an open issue for TS29.207).  
[CLOSED] by TS29.208 CR006r1 (N3-020674).
- Support for forking shall be considered. (new requirement added to TS23.228 by a CR agreed at SA#16)  
[CLOSED] by TS29.208 CR007r1 (N3-020720).
- Further clarification is required if the SDP b=AS:<bandwidth> parameter includes the bandwidth for RTCP.  
[CLOSED] Agreed on the working assumption to consider that the SDP b=AS parameter does not include the overhead for RTCP.
- The specification may be updated when IETF specifies new parameters to define RTCP bandwidth in a new RFC on "SDP bandwidth modifiers for RTCP".  
[OPEN] to be studied when the RFC becomes available.
- Re-introduction of streaming class to QoS mapping rules for authorization has to be considered.  
[OPEN] to be studied by CN3 #27.

**DISCUSSION:** Ericsson asked that 'awaiting decision in SA4' be added to the open item of "SDP bandwidth modifiers for RTCP".

This document will no longer be maintained. CN3 chair will report status to plenary in his chairman's report.

**RESULT:**    The document was **NOTED**.

**N3-030043**    **Discussion: mapping rules for QoS authorization, source T-Mobile, Siemens.**

**CONTENT:**    Proposes the introduction of the mapping rule for the proper mapping behaviour for a streaming service:

In case all media components of type 'audio' or 'video' have the same direction, the assigned maximum authorised QoS Class shall be streaming.

**DISCUSSION:** This contribution conflicts with the related Ericsson contribution (N3-030071). The understanding of the RFC seemed to differ between the companies.

**RESULT:**    The document was **NOTED**.

**N3-030044 CR 29.208: mapping rules for QoS authorization, source T-Mobile, Siemens.**

**CONTENT:** The mapping rules are extended to ensure the proper assignment of the maximum authorized QoS Class according to the requested service. The rules defining the mapping of the SDP parameters to the max. authorized QoS Classes are extended to allow a mapping to streaming class in case of uni-directional media components of type 'audio or video' having the same direction.

**DISCUSSION:** Alternative to the solution proposed in N3-030044.

The Table 7.1.1.1: deals with the Maximum Authorized QoS Class per media component in the PDF, therefore we do not need to add text for all media components inside this table.

Some suggestions were made to improve the text. This was elaborated offline.

**RESULT:** The document was **REVISED to 0134.**

? **REVISED?**

**N3-030134 CR 29.208: mapping rules for QoS authorization, source T-Mobile, Siemens.**

**DISCUSSION:** Use the term Maximum Authorized QoS class in clause 7.1.1.1.

Use correct tdoc and CR Rev. numbers.

Ericsson suggested the second proposed new text should be added as a NOTE to the table containing the rule as it relates only to the Rule.

**RESULT:** The document was **REVISED to 0168.**

? **REVISED?**

**N3-030168 CR 29.208: mapping rules for QoS authorization, source T-Mobile, Siemens.**

**DISCUSSION:** The two NOTE Xs are not the same in both tables. Remove the term unidirectional.

Add the term media stream.

QoS classes (plural). Also some additional changes were suggested to the notes.

**RESULT:** The document was **REVISED to 0182.**

? **REVISED?**

**N3-030182 CR 29.208: mapping rules for QoS authorization, source T-Mobile, Siemens.**

**RESULT:** The document was **AGREED.**

**N3-030071 CR 29.208: Modification of the rules for deriving Maximum Authorized QoS /Traffic Class per media component. source L.M.Ericsson.**

**CONTENT:** Modifies the rules in the table 7.1.1.1 and in the table 7.2.2.1 to allow for the corresponding 'streaming'-value if the SDP media component directional attribute is either 'a=sendonly' or 'a=recvonly'.

**DISCUSSION:** Alternative to the solution proposed in N3-030044. After offline discussion Ericsson accepted the T-mobile/Siemens solution.

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

**N3-030073 CR 29.208: Correction of a clash, source L.M.Ericsson**

**CONTENT:** Correction of the mismatch between the value denotation of QoS class in the tables 7.1.1.2 and 7.1.2 in the TS 29.208 and in the table 4.3.1.1.1 in the TS 29.207

**DISCUSSION:** Revised to include the changes from the CR in N3-030131.

**RESULT:** The document was **REVISED to 0139.**

? **REVISED?**

**N3-030139 CR 29.208: Correction of a clash, source L.M.Ericsson**

**DISCUSSION:** One minor editorial and the additional correction of the term terminated to terminated.

**RESULT:** The document was **REVISED to 0171.**

? **REVISED?**

**N3-030171 CR 29.208: Correction of a clash, source L.M.Ericsson**

**RESULT:** The document was **AGREED.**

**N3-030074 CR 29.208: Addition of the SDP directional attribute "inactive". source L.M.Ericsson**

**CONTENT:** The rules for deriving maximum authorized data rates/bandwidth in the tables 7.1.1.1 and 7.2.2.1 are modified to also comprise the SDP directional attribute 'inactive'.

**RESULT:** The document was **AGREED.**

**N3-030075 CR 29.208: Discussion on RTCP bandwidth. source L.M.Ericsson**

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

**N3-030111 CR 29.208: Correction and clarification on RTCP IP Flow. source L.M.Ericsson**

**CONTENT:** This CR changes the rules for deriving the Max. Auth. IP/UMTS QoS parameters per IP flow, instead of per media component

Also, the Binding Information is changed to Client Handle in table 7.1.1.2.

**DISCUSSION:** Introduces the term  $b_{AS}$  which was considered as confusing by some companies.

Some companies required some time to check the CR. Nortel had concerns with approving such a change to a frozen specification. Non controversial changes were incorporated into the Cr contained in 0141.

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

**N3-030076 CR 29.208: Discussion on additional bandwidth per IP flow. source L.M.Ericsson.**

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

**N3-030081 CR 29.208: Adding of the Resume case, source Orange France.**

**CONTENT:** The Resume case is added in the section Approval of the QoS Commit.

**DISCUSSION:** Nokia asked if it should be the 200 OK message that triggers this case.

There was some confusion due to the combining of the 200 OK and resume cases. It was proposed to create a separate case for resume and even use the existing session 'HOLD' case instead.

It was agreed to improve the section on the 'HOLD' case and add some information for the RESUME, but not change section 6.1

**RESULT:** The document was **REVISED to 0136.**

? **REVISED?**

**N3-030136 CR 29.208: Adding of the Resume case, source Orange France.**

**DISCUSSION:** Ericsson mentioned the need for 'add media stream' case. Modifying the QoS does not close the gate.

**RESULT:** The document was **REVISED to 0173.**

? **REVISED?**

**N3-030173 CR 29.208: Adding of the Resume case, source Orange France.**



**RESULT:** The document was **AGREED**.

**N3-030100 CR 29.208: Clarification on PDP context modification, source Nortel Networks**

**CONTENT:** This adds a brief explanation about the behaviour of the P-CSCF/PDF when it receives the RPT message indicating PDP Context modification.

**DISCUSSION:** It was felt that the details of the timers was not required in the change.

**RESULT:** The document was **REVISED to 0137**.

? **REVISED?**

**N3-030137 CR 29.208: Clarification on PDP context modification, source Nortel Networks**

**RESULT:** The document was **AGREED**.

**N3-030102 CR 29.208: Corrections (T.B.D.), source Lucent Technologies.**

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

**N3-030103 Discussion on RTCP bandwidth, source L.M.Ericsson**

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

**N3-030104 Introduction of RTCP bandwidth, source L.M.Ericsson.**

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

**N3-030112 CR 29.208: Correction and clarification that is needed in some cases. source L.M.Ericsson.**

**CONTENT:** This change clarifies that SBLP has to be applied for some events and for some functions.

**DISCUSSION:** The Go interface is optional for Rel-5. therefore the GGSN does not have to support SBLP. It was mentioned that the UE does not know that SBLP is applied, and therefore the proposed change to 7.2 are not correct nor required.

Also in 7.1 the condition of having SBLP is implicit where QoS mapping functionality is required.

**RESULT:** The document was **REVISED to 0138**.

? **REVISED?**

**N3-030138 CR 29.208: Correction and clarification that is needed in some cases. source L.M.Ericsson.**

**DISCUSSION:** Spelling error needs to be corrected (ii -> i).

**RESULT:** The document was **REVISED to 0169**.

? **REVISED?**

**N3-030169 CR 29.208: Correction and clarification that is needed in some cases. source L.M.Ericsson.**

**RESULT:** The document was **AGREED**.

**N3-030131 CR 29.208: Editorial Corrections. source MCC.**

**CONTENT:** Contains editorial corrections to 29.208

**DISCUSSION:** Proposed to be merged into the CR 'correction of the clash' in N3-030073

**RESULT:** The document was **MERGED into 0139**.

**N3-030141**      **CR 29.208: Corrections in the table 7.1.1.2 and in the table 7.2.2.1.. source L.M.Ericsson.**

**RESULT:**      The document was **AGREED**.

#### 9.1.4 27.060

**N3-030163**      **CR 27.060: authorisation token verse a PDP context. source L.M.Ericsson.**

**CONTENT:**      Clarifies that the UE shall not be allowed to change the authorization token for a PDP context.

**DISCUSSION:** Change term UE to MS.

Spell Intention with a 't'.

Modification does not follow the summary of change. A number of companies requested more time to study this issue. It was decided to postpone the CR to the next meeting.

**RESULT:**      The document was **POSTPONED to CN3#28**.

## 9.2 Service change and UDI fall back [SCUDIF]

**N3-030058**      **CR 23.172: Two-step HLR interrogation for SCUDIF calls, source L.M.Ericsson**

**CONTENT:**      This change adds two interrogations that are performed in the GMSC towards the HLR, including a backward compatibility mechanism for supporting older HLRs.

**DISCUSSION:** A related CR is being presented to CN4 for the MAP related parts.

Correction to the cover sheet, and correct numbering of new sub-clauses.

**RESULT:**      The document was **REVISED to 0133**.

? **REVISED?**

**N3-030133**      **CR 23.172: Two-step HLR interrogation for SCUDIF calls, source L.M.Ericsson**

**RESULT:**      The document was **AGREED (condition the CN4 CR is agreed)**.

**N3-030059**      **Discussion: PCM selection for SCUDIF Calls, source L.M.Ericsson**

**RESULT:**      The document was **WITHDRAWN (Revised before presentation)**

**N3-030114**      **Discussion: PCM selection for SCUDIF Calls, source L.M.Ericsson**

**CONTENT:**      The document proposes to allow two options (MuMe plus TrFO or TrFO only in the fallback case) and proposes to introduce a control field to the MuMe codec to allow nodes to request the type of connection they require.

The solution allows SCUDIF calls to be established with TrFO if all parties agree to support TrFO (and associated bearer/IuUP modification) but also allows nodes to request only TrFO for the fallback case.

The solution is proposed for Release 5 to avoid and backward compatibility issues and the proposed change to TS 26.103 should be indicated to SA4.

**DISCUSSION:** Siemens questioned whether there is really a problem.

Siemens also sought a reaction from the operators on the requirement for such a change. No reaction was voiced by the operators present in the meeting.

It was also raised that Rel-5 is now functionally frozen and it may be late in the day to get such changes approved in CN Plenary.

T-mobile and Vodafone were interested in an offline discussion with Siemens and Ericsson.

Siemens objected to the CR for a frozen release.

**RESULT:** The document was **NOTED - the proposal was REJECTED for Rel-5.**

**N3-030091 CR 23.172: Call flows for Service change during the active state, source Siemens**

**CONTENT:** The CR adds call flows as the service change section does not cover enough detail for the Server to control the MGW in split architecture for a SCUDIF call.

**DISCUSSION:** There are discussions ongoing in CN4 on how to change the codecs without re-initialising the lu user plane. Ericsson stated that CN3 cannot proceed with these CRs until CN4 has come to some conclusion. Ericsson wish to develop a complete solution including the PCM case, and not a partial one proposed in this CR.

Ericsson and Siemens presently agree on the solution for the non PCM case but do NOT agree on the solution for the PCM case.

CN4 have discussed this and no agreement has been reached on whether PCM is a special case.

Ericsson disagreed with this CR, and prefer to await the resolution of the PCM case in CN4. Ericsson do not consider this CR to be complete. Vodafone agreed with the Ericsson position.

As consensus could not be achieved the CR was not agreed.

**RESULT:** The document was **POSTPONED until CN4 have discussed this.**

### 9.3 Technical Enhancements & Improvements [TEI]

**N3-030021**      **CR 29.007-Rel5: Corrections and alignments, source Siemens AG**

**CONTENT:**      Identical with 0032

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

**N3-030032**      **CR 29.007-Rel5: Correction of erroneous implemented CRs, source MCC**

**CONTENT:**      Corrects an error introduced by a mis-implemented CR.

**RESULT:**        The document was **AGREED**.

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## 10 Release 6

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

**N3-030082 Discussion: Network based interworking versus terminal based interworking, source O2.**

**CONTENT:** Currently two solutions are proposed to support inter-working between 3GPP and non-3GPP compliant terminals. One solution is network based, and gives the opportunity for operators to support services for a variety of different client releases. A second solution is terminal based where changes of client procedures are required in order to access new services. The paper provides further thoughts for discussion regarding the issues linked to these two mechanisms.

The paper concludes the following: -

It is proposed to agree on the following points.

1. It should be possible to deploy SIP services independently of the software release of the SIP client.
2. IMS based services shall be possible between different SIP clients (e.g. RFC 2543, RFC 3261, Rel 5, Rel 6 etc) without the need for clients to be upgraded (e.g. Rel 5 to Rel 6).
3. It should be possible for 3GPP Rel 5 SIP clients to inter-work with non-3GPP SIP client.
4. The "client upgrade" solution is based on an uncertain model, as mechanisms to perform this upgrade are currently not defined in 3GPP.
5. The network centric solution should be adopted for Rel 5-Rel 6 Interworking. A network centric mechanism has the advantage to limit the impact due to the differences between SIP client software releases, and will ensure a widespread deployment of IP connectivity options to the operator.

**DISCUSSION:** It was mentioned that this document covers some of the service requirements that are not the responsibility of CN3 but are covered in the Stage 1 documents. CN3 should be looking at the solutions to those requirements.

**RESULT:** The document was **NOTED**.

**N3-030083 CR 29.962: Proposed changes to the TR on SIP interworking, source O2.**

**CONTENT:** This change proposes the addition of the advantages and disadvantages of a network based solution versus a modified end to end call flow solution that are discussed in the document N3-030082.

**DISCUSSION:** Nokia propose removing the sections 'advantages and disadvantages' as they are purely speculative. Also Nokia felt it is too early to study the advantages and disadvantages when the details of the technical solution are not known.

Vodafone Nortel and Ericsson also agreed that there is little possibility of obtaining agreement on the advantages and disadvantages of each solution.

CN3 does not have the responsibility of examining different architectural configurations this is the role of SA2. The role of the TR is to describe interworking problems independently of where the interworking takes place.

**RESULT:** The document was **REJECTED**.

**N3-030093 CR 29.962: Relevant Charging and QoS mechanisms, source Siemens.**

**CONTENT:** This contribution summarises Charging and QoS Mechanisms dependant upon SIP callflows by providing Excerpts from relevant specifications. Corresponding updates the Reference Callflow in Annex D of the TR.

**DISCUSSION:** It was mentioned that the reference to TS 23.815 is not required as the document is out of date and is covered by the reference to TS 32.225.

It was agreed that the scope should be updated to reflect that the Go interface is used and SBLP is present.

Also a clarification of the term critical dependency is required.

**RESULT:** The document was **REVISED to 0152**.

? **REVISED?**

**N3-030152 CR 29.962: Relevant Charging and QoS mechanisms, source Siemens.**

**DISCUSSION:** CN1 have seen the changes and there may be minor issues to these changes that will be handled during the CN1 review of 29.962.

**RESULT:** The document was **AGREED**.

**N3-030092 CR 29.962: Insertion of static B2B UA, source Siemens.**

**CONTENT:** Comments were raised during Munich drafting session that the callflows for the B2B UA leave the question open how a B2B UA inserted in a static manner becomes active.

The contribution proposes amended text for the TR to answer this question.

**DISCUSSION:** Presently for Rel-5 there is no mechanism for the S-CSCF to know if the next node is IMS or not. This document proposes a need to route to IMS, but for the moment there is no mechanism to do this. This would be a Rel-6 enhancement to the S-SCSF.

Remove the phrase "The B2B shall be located sufficiently close to the network border". S-SCSF should be responsible for this routing decision and this needs to be added to the TR.

The B2B is active but transparent and when receiving the 420 bad extension take the described action.

Improvements to the description section on how a call ends in an IMS network and how to you take a routing decision based on the originating network.

Also the title of the section needs to reflect the content of the section. Should be changed from "not supporting" to "not indicating".

Also the TR should not provide labels for the boxes (leave this to SA2) simply describe the functionalities.

IT was decided not to delete the sentence "Lack of signalling transparency may restrict the compatibility with future extensions for all calls." from the disadvantages section.

**RESULT:** The document was **REVISED to 0153**.

? **REVISED?**

**N3-030153 CR 29.962: Insertion of static B2B UA, source Siemens.**

**DISCUSSION:** CN1 have seen the changes and there may be minor issues to these changes that will be handled during the CN1 review of 29.962.

**RESULT:** The document was **AGREED**.

**N3-030094 CR 29.962: General rules for B2B UA, source Siemens.**

**CONTENT:** The contribution suggest rules for the functionality of a B2BUA

**DISCUSSION:** Suggested to add an editors note - stating the list is the first step and it is intended to develop the list further..

**RESULT:** The document was **REVISED to 0157**.

? **REVISED?**

**N3-030157 CR 29.962: General rules for B2B UA, source Siemens.**

**DISCUSSION:** CN1 have seen the changes and there may be minor issues to these changes that will be handled during the CN1 review of 29.962.

**RESULT:** The document was **AGREED**.

**N3-030095 CR 29.962: end-to-end call flows in mobile terminating case, source Siemens.**

**CONTENT:** It is proposed to allow a direct call from a non-3GPP UA supporting the 100rel extension to a 3GPP UA.

**DISCUSSION:** Proposed to remove one sentence from the description and advantages section.  
Also some minor spelling errors were detected.

**RESULT:** The document was **REVISED to 0154**.

? **REVISED?**

**N3-030154 CR 29.962: end-to-end call flows in mobile terminating case, source Siemens.**

**DISCUSSION:** CN1 have seen the changes and there may be minor issues to these changes that will be handled during the CN1 review of 29.962.

**RESULT:** The document was **AGREED**.

**N3-030096 CR 29.962: Updates for end-to-end call flows, source Siemens.**

**CONTENT:** The document proposes changes to the end-to-end callflow Sections

**DISCUSSION:** Useful to identify what specifications will be effected in the list.

Inactive media is authorised and means that it is on hold in both directions.

Proposed to send a LS to SA5 indicating that there is such a parameter to place the call on hold as it may have some charging implications. The LS is contained in N3-030155.

It was also mentioned that the media does not pass through the P-CSCF and S-CSCF.

**RESULT:** The document was **REVISED to 0156**.

? **REVISED?**

**N3-030156 CR 29.962: Updates for end-to-end call flows, source Siemens.**

**DISCUSSION:** CN1 have seen the changes and there may be minor issues to these changes that will be handled during the CN1 review of 29.962.

**RESULT:** The document was **AGREED**.

**N3-030155 LS to SA5 on the on hold capability, source CN3.**

**CONTENT:** CN3 asks SA5 to provide information on how the "inactive" attribute is handled with respect to charging in Rel.5 and Rel.6.

**DISCUSSION:** Editorial comments and change to the title.

**RESULT:** The document was **REVISED to 0186**.

? **REVISED?**

**N3-030186 LS to SA5 on the on hold capability, source CN3.**

**RESULT:** The document was **APPROVED**.

**N3-030185 TR 29.962v1.1.0 incorporating changes from CN3#27, source Siemens.**

**DISCUSSION:** To be provided to the CN3 email exploder by 28<sup>th</sup> Feb.

Will be discussed during one week for comments.

Will be handed over to CN1 in the CN#19 plenary meeting (March).

The appropriate template will also be used for presentation to the plenary. This will also be provided in this document.

**RESULT:** The document was **to be provided by e-mail**.

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

**N3-030097 Discussion: Connecting MGCF+MGW to 3GPP Cs domain, source Siemens.**

**CONTENT:** TS 29.163 covers the interworking between the IMS and a circuit switched network, that may either be an external PSTN, or a 3GPP CS domain. According to TS 23.002, a "PSTN" Interface shall be used for this purpose. Both the external PSTN and the 3GPP CS domain may use either ISUP or BICC for call control.

This contribution compares those applications scenarios and suggests some principles for the description within TS 29.163. It aims to clarify the properties of the "PSTN" interface.

**DISCUSSION:** Ericsson suggested limiting only two interfaces IMS to ISUP and IMS to Nb and Nc interfaces.

IMS will use of ISUP interface without 3GPP modifications to that interface.

Nortel did not wish to have such an agreement blocking the presentation of future contributions that examine other interfaces.

**RESULT:** The document was **NOTED**.

**N3-030098 CR 29.163: Update of References, source Siemens**

**CONTENT:** Interworking to "PSTN" interface without 3GPP specific extensions shall be supported. Optionally, interworking to 3GPP Cs domain interconnected by Nb and Nc interfaces may be supported. Various minor corrections and updates are also suggested.

**DISCUSSION:** Ericsson commented that ISUP has no 3GPP specific extensions. Ericsson proposed some alternative text to reflect this.

The use of the referencing to TS 29.205 was previously used due to the non-availability of the related ITU-T documents.

There was some doubt over the availability of ITU-T Q.1902.1 to ITU-T Q.1902.6 and ITU-T Q.1950. Ericsson offered to check this.

Nortel asked for an editors note to be added stating out intention to align with ITU-T work and adopt their work when it is complete. It was stated that such a statement should be added to the WID and not the specification.

Ericsson suggested we use the 3GPP TS 29.222 for the M3UA as opposed to RFC 3332.

Merged with Ericsson contribution (N3-030063)

**RESULT:** The document was **MERGED into 0143**.

**N3-030063 CR 29.163: Corrections/Additions to Sections 17.2.3 of 29.163, source L.M.Ericsson.**

**CONTENT:** This CR changes the referencing of TS 29202 for signalling transport instead of IETF for M3UAAllow signalling transport without SGWAdd STCmtp to BICC to make it into an User Part.

**DISCUSSION:** Merged with Siemens contribution (N3-030098).

**RESULT:** The document was **REVISED to 0143**.

? **REVISED?**

**N3-030143 CR 29.163: Corrections/Additions to Sections 17.2.3 of 29.163, source L.M.Ericsson and Siemens.**

**DISCUSSION:** Minor editorials and corrections to the CR. Remove changes on changes.



The (temporary) editor will take care of these editorials.

**RESULT:** The document was **REVISED to 0172.**

? **REVISED?**

**N3-030172** **CR 29.163: Corrections/Additions to Sections 17.2.3 of 29.163, source L.M.Ericsson and Siemens.**

**RESULT:** The document was **AGREED.**

**N3-030051** **CR 29.163: User plane interworking with BICC networks in IM MGW, source Nokia.**

**CONTENT:** Adds the User plane interworking with BICC networks, as well as cleaning the user plane interworking with TDM based CS networks.

**DISCUSSION:** Requirement to remove the text in clause 8.1 that mandates the use BICC.

Decided to merge the overlapping sections (4.1, 4.4 and 6.3) and place that in the CR contained in N3-030143.

The remaining changes in clause 8 will be made in a separate contribution (N3-030144).

**RESULT:** The document was **REVISED to 0144.**

? **REVISED?**

**N3-030144** **CR 29.163: User plane interworking with BICC networks in IM MGW, source Nokia.**

**DISCUSSION:** Remove of the terms may, and combine the sentences to read (when the IM CN ...).

**RESULT:** The document was **REVISED to 0176.**

? **REVISED?**

**N3-030176** **CR 29.163: User plane interworking with BICC networks in IM MGW, source Nokia.**

**RESULT:** The document was **AGREED.**

**N3-030050** **CR 29.163: Mn signalling interactions and procedures, source Nokia, mmO2, Siemens, Vodafone.**

**CONTENT:** Adds Signalling interactions and procedures for IMS and CS network originated calls.

**DISCUSSION:** Previously seen in N3#26 and has since been developed by email discussions.

Ericsson provided some corrections to the document. Numerous formatting errors were detected and corrected.

Proposal to use the term 'or' as opposed to 'and' in the Through Connected paragraph.

Also some editorial clean up was required to the CR

**RESULT:** The document was **REVISED to 0148.**

? **REVISED?**

**N3-030148** **CR 29.163: Mn signalling interactions and procedures, source Nokia, mmO2, Siemens, Vodafone.**

**DISCUSSION:** Re-write the continuity check and other improvements collected in offline session.

**RESULT:** The document was **REVISED to 0177.**

? **REVISED?**

**N3-030177** **CR 29.163: Mn signalling interactions and procedures, source Nokia, mmO2, Siemens, Vodafone.**

**DISCUSSION:** References to clause x.x refers clauses added in other CRs to 29.163.

Nortel's change to sub-clause 9.2.3.3.3 is missing.

Correction of spelling errors.  
Figure 12 should be figure 8 in 9.2.2.3.6.  
Remove the error handling case

**RESULT:** The document was **REVISED to 0178.**

? **REVISED?**

**N3-030178** **CR 29.163: Mn signalling interactions and procedures, source Nokia, mmO2, Siemens, Vodafone.**

**RESULT:** The document was **AGREED.**

**N3-030052** **CR 29.163: Mn signalling interactions and procedures for session release, source Nokia.**

**CONTENT:** Adds signalling interactions and procedures for the session release

**DISCUSSION:** Some editorial comments were made.

It was mentioned by the Vodafone representative that David Sanders (Vodafone) will no longer come to CN3 meetings and therefore we are missing a rapporteur for TS 29.163. Thomas Belling (Siemens) offered to do the changes for this meeting.

A decision on who will take the rapporteurship for 29.163 will be taken at the next CN3 meeting.

**RESULT:** The document was **REVISED to 0149.**

? **REVISED?**

**N3-030149** **CR 29.163: Mn signalling interactions and procedures for session release, source Nokia.**

**DISCUSSION:** Spelling corrections. References to network mode needs to be corrected.

**RESULT:** The document was **REVISED to 0179.**

? **REVISED?**

**N3-030179** **CR 29.163: Mn signalling interactions and procedures for session release, source Nokia.**

**RESULT:** The document was **AGREED.**

**N3-030053** **CR 29.163: IMS session hold and release, source Nokia.**

**CONTENT:** Adds the description of the session hold and release.

**DISCUSSION:** There is very little service description available for IMS session on hold. CN3 do not have sufficient information to proceed with the stage 3 description. What are the impacts on charging? There exists a service description for the PSTN and alignment may be required.

**RESULT:** The document was **REJECTED.**

**N3-030054** **CR 29.163: Handling of RTP telephony events, source Nokia.**

**CONTENT:** Adds the handling of RTP telephony events.

**DISCUSSION:** Optional not mandatory, Change to the downlink case. also remove some overlapping text from the CN4 work.

**RESULT:** The document was **REVISED to 0150.**

? **REVISED?**

**N3-030150** **CR 29.163: Handling of RTP telephony events, source Nokia.**

**DISCUSSION:** Rapporteur to use correct referencing format in the text.

**RESULT:** The document was **AGREED**.

**N3-030099 Discussion: Handling of DTMF, source Siemens.**

**CONTENT:** This contribution discusses the handling of DTMF in the IM-MGW and MGCF.

It provides some suggestions how the hardware requirements for the IM-MGW could be reduced. Parts of those suggestions would have to be implemented in TS 24.229 of CN1 and TS 26.235 of SA4, but an agreement in CN3 on this issue is desirable before involving these groups.

**DISCUSSION:**

It is suggested to

?? propose to SA4 to recommend the usage of the “telephone-event” mime type with default events for DTMF in TS 26.235.

?? propose to CN1 to recommend that the UE uses “telephone-event” mime type with the default events for mobile originating DTMF.

?? propose to CN1 to recommend that the UE uses a re-INVITE or UPDATE to set up an DTMF media flow only when required as described above.

?? send an LS to CN1 and SA4 with the present contribution attached.

?? state in TS 29.163 that the MGCF shall use the “telephone-event” without optional parameters in an SDP offer for mobile terminating DTMF

'Three' mentioned that CN1 have discussed this and have determined that there is no need for a mobile terminating DTMF.

Also DTMF has to be enabled for call voice calls to deal with the requirements of certain applications (entering PIN numbers with a time out).

It was proposed to ask CN1 to investigate if we can use the re-invite or the update method as opposed to using DTMF all the time.

CN3 agreed to recommend the use of 'telephone event'.

The LS out is contained in N3-030151.

**RESULT:** The document was **NOTED**.

**N3-030151 LS out on Handling of DTMF source Siemens.**

**CONTENT:** In this LS CN3 asks SA4 to consider the following:

Only the support of the MIME type “telephone event” with default events should be recommended. The support of additional events for this MIME type and MIME type “audio” also defined in RFC 2833 is not required within the 3GPP IMS.

**DISCUSSION:** Formatting requires changing. Meeting dates incorrect. Move text from description to actions.

**RESULT:** The document was **REVISED to 0184**.

? **REVISED?**

**N3-030184 LS out on Handling of DTMF source Siemens.**

**RESULT:** The document was **APPROVED**.

**N3-030064 CR 29.163: Addition of a new section 7.2.3 (ISUP-SIP protocol interworking), source L.M.Ericsson.**

**CONTENT:** Adds a new section which describes call control protocol interworking for ISUP-SIP interworking.

**DISCUSSION:** It is important to keep CN3s work aligned with the work that is ongoing in ITU-T. This contribution extracts the text that is applicable to the 3GPP profile and inserts it into 29.163.

Nortel had some concerns about the INVITE being sent in the UPDATE as there are other methods of doing this. It was agreed to remove the UPDATE message from the figure in 7.2.3.1.1. Replace with SDP offer with precondition satisfied.

Siemens also provided some tweaking to the text.

Some minor formatting errors were discovered in the text and tables. Drafting Rules also need to be applied to this CR to avoid the editor having to do a large clean up after. All CRs should apply the correct drafting rules.

**RESULT:** The document was **REVISED to 0160**.

? **REVISED?**

**N3-030160** **CR 29.163: Addition of a new section 7.2.3 (ISUP-SIP protocol interworking), source L.M.Ericsson.**

**RESULT:** The document was **REVISED to 0180**.

? **REVISED?**

**N3-030180** **CR 29.163: Addition of a new section 7.2.3 (ISUP-SIP protocol interworking), source L.M.Ericsson.**

**RESULT:** The document was **AGREED**.

**N3-030065** **CR 29.163: Addition to section 7.3 of 29.163, source L.M.Ericsson.**

**CONTENT:** Adds a new picture to show a signalling transport without SGW.

**DISCUSSION:** Correction to table 3b, L1 to be changed to IP. Also the arrows used in diagrams need to be aligned.

Additional changes proposed by Siemens.

**RESULT:** The document was **REVISED to 0161**.

? **REVISED?**

**N3-030161** **CR 29.163: Addition to section 7.3 of 29.163, source L.M.Ericsson.**

**DISCUSSION:** Editorial and minor change (in table 7 change to 127->1).

**RESULT:** The document was **AGREED**.

**N3-030066** **CR 29.163: Addition of a new section 7.3.3 (BICC-SIP protocol interworking), source L.M.Ericsson.**

**CONTENT:** Adds a new section which describes BICC-SIP interworking.

**DISCUSSION:** Editorials comments on clause numbering and some spelling errors.

Repeats a lot of the content and structure from the ISUP-SIP section.

**RESULT:** The document was **REVISED to 0162**.

? **REVISED?**

**N3-030162** **CR 29.163: Addition of a new section 7.3.3 (BICC-SIP protocol interworking) source L.M.Ericsson.**

**DISCUSSION:** Use references in [].

**RESULT:** The document was **REVISED to 0183**.

? **REVISED?**

**N3-030183** **CR 29.163: Addition of a new section 7.3.3 (BICC-SIP protocol interworking), source L.M.Ericsson.**

**DISCUSSION:** Use references in [].

**RESULT:** The document was **AGREED**.

**N3-030067**      **CR 29.163: Addition of a new section 7.4 (supplementary services), source L.M.Ericsson.**

**CONTENT:**      Adds a new section for the interworking of supplementary services.

**DISCUSSION:**      Call Hold section is also "not interworked" until this is resolved.

**RESULT:**      The document was **REVISED to 0159.**

**? REVISED?**

**N3-030159**      **CR 29.163: Addition of a new section 7.4 (supplementary services), source L.M.Ericsson.**

**RESULT:**      The document was **AGREED.**

**N3-030187**      **TR 29.163 incorporating changes from CN3#27, source Siemens.**

To be provided to the CN3 email exploder by 28<sup>th</sup> Feb.

**RESULT:**      The document was **to be provided by e-mail.**

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

**N3-030147**      **WID for Mn interface, source CN4.**

**CONTENT:**      WID for Media Gateway Control Function (MGCF) – IM Media Gateway (IMS-MGW) Mn Interface. Cn4 suggest moving the finalisation dates back by 6 months.

**DISCUSSION:**      Suggest CN3 completion of 29.163 in CN#21.

**RESULT:**      The document was **NOTED.**

**N3-030039**      **General corrections to 29.163, source Nortel Networks.**

**CONTENT:**      Adds some abbreviations, definitions and References.

**DISCUSSION:**      Changes to Sections after up to 7.3 overlaps with the Ericsson CR (N3-030143) and will be merged in that document. Changes before section 7.3 overlap with N3-030065 and will be merged with that document.

It was mentioned that many abbreviations are already exist in 21.905 and should be deleted from this CR.

A number of wording and formatting improvements were given.

**RESULT:**      The document was **MERGED into 0143.**

### **10.4 End to End QoS, Stage 3. [IMS 2]**

No input to this Agenda Item.

### **10.5 Commonality and interoperability between IMSs**

No input to this Agenda Item.

### **10.6 Presence [PRESENC]**

No input to this Agenda Item.

## 10.7 Multimedia Broadcast and Multicast Service [MBMS]

No input to this Agenda Item.

## 10.8 Preferred Framing Protocol [PFP]

No input to this Agenda Item.

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

No input to this Agenda Item.

## 10.10 Enhanced Tandem Free Operation [eTFO]

**N3-030040 Discussion Paper on enhanced Tandem Free Operation (eTFO), source Nortel.**

**CONTENT:** Present this proposed Work Item for eTFO to the CN3 group, as requested at the last CN3#26.

The targeted release is REL-6, SA2 have been asked to provide a report to the next SA plenary (March) assessing the system impacts of eTFO in order that SA can decide whether to approve the Work Item.

CN3 owns 2 specifications: 29.414 and 29.415 that could be affected. For eTFO to work, the transcoders must be updated to support the enhanced in-band signalling for eTFO.

**DISCUSSION:** Presented only for information as this WID is not yet approved in SA or CN.

Siemens stated that a lot more technical detail is required before CN3 can assess the impacts of the WID.

Re-use an existing or create a new PDU?

The lu interface will not be impacted.

**RESULT:** The document was **NOTED**.

## 10.11 WLAN – UMTS Interworking [WLAN]

**N3-030055 WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking, source Nokia.**

**CONTENT:** CN4 believe that CN3 may have some work to do for this work item, especially in TS 29.061 for the Wi interface. In the TS it is expected that the scope must be broadened to include WLAN access and definitions on Wi must be added.

**DISCUSSION:** Wm interface (3GPP AAA Server and Packet Data Gateway) seem similar to the RADIUS (GGSN to AI server) interface covered in 29.061. This could be under the responsibility of CN3 and not CN4.

Nokia will inform CN4 of the possibility of moving the Wm interface to CN3.

CN3 agree with the content of the WID.

**RESULT:** The document was **NOTED**.

## 10.12 Other Rel-6 Work Items

No input to this Agenda Item.

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## 11 Joint sessions

No joint sessions in this meeting.

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## 12 Work Organization

### 12.1 Work Plan Review

**N3-030011: 3GPP Project Plan, source MCC.** Presented by David Boswarthick of MCC.

**DISCUSSION:** Edited on line, and comments will be integrated in the version presented to CN#19.

**RESULT:** The document was **NOTED**.

### 12.2 Specification Review

**N3-030012 Status of CN3 specifications following SA#18, source MCC.** Presented by David Boswarthick of MCC.

**CONTENT:** Details the status of CN3s specifications following SA#18 meeting.

**DISCUSSION:** Ragnar Huslend will replace Rune Werner Wiik (Ericsson) as the rapporteur for 27.001, 27.002, 27.003 and 23.910.

**MCC will update the SPEC DATABASE.**

**RESULT:** The document was **NOTED**.

### 12.3 Next meetings, allocation of hosts

Mar 2003				
<a href="#">3GPPCN-#19</a>	OR	12 - 14 Mar 2003	Birmingham, EF3	UK
May 2003				
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	19 - 23 May 2003	San Diego, NA Friends	US
Jun 2003				
<a href="#">3GPPCN-#20</a>	OR	4 - 6 Jun 2003	HAMEENLINNA, Nokia	FI
Aug 2003				
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	25 - 29 Aug 2003	Sophia, ETSI	FR
Sep 2003				
<a href="#">3GPPCN-#21</a>	OR	17 - 19 Sep 2003	Berlin, Siemens	DE
Oct 2003				
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	27 - 31 Oct 2003	<i>Somewhere China, Ericsson</i>	CN
Dec 2003				
<a href="#">3GPPCN-#22</a>	OR	10 - 12 Dec 2003	Maui, Hawaii, NA & JP Friends	US

### 12.4 Election of CN3 Chairman and Vice-Chairmen

**N3-030031**      **Candidature for Mr Norbert Klehn, source Siemens AG.**

**CONTENT:**      Contains the candidature and supporting letter for Mr Norbert Klehn (Siemens AG) for the position of CN3 Chairman.

**DISCUSSION:** Mr Norbert Klehn was elected as the CN3 Chairman by acclamation

There were no candidates for the position of CN3 Vice chair, but Norbert invited individuals and companies to consider applying for the role of CN3 V.chair in the near future.

**RESULT:**      The document was **NOTED**.



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## 13 Summary of results

### 13.1 Work Items

No WIDs were agreed by CN3, to be sent to the next TSG-CN Plenary for Approval:

### 13.2 Liaison Statements

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

Tdoc	Title	LS To	LS Cc	LS Attachment
N3-030142	LS reply to CN4 on Proposed Split Of Work between 29.163 and 29.332	CN4	-	-
N3-030170	Reply LS on "Procedure for specifying UMTS QoS parameters per application"	SA4, RAN2	SA1, SA2, RAN4, T1	-
N3-030184	LS Handling of DTMF in IMS	CN1, SA4	-	N3-030099
N3-030186	LS on Handling of the SDP "inactive" direction attribute	SA5	CN1	-
N3-030188	LS on "Not allowing token changes for a PDP context"	SA2	SA5, CN1	-

### 5 LSs agreed at this meeting

### 13.3 TRs / TSs

The following TR/TSs were agreed by CN3, and are to be sent to the next TSG-CN Plenary (for information):

Tdoc	Type	Title	Source	Spec	Rel
N3-030185	TR	TR 29.962	Siemens	29.962	Rel-6

### 1 TR/TS agreed at this meeting

## 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
N3-030120	Correction of references and specification corrections	09.61	A047	1	F	R97	TEI
N3-030121	Correction of references and specification corrections	09.61	A048	1	A	R98	TEI
N3-030133	Two-step HLR interrogation for SCUDIF calls	23.172	007	1	F	Rel-5	SCUDIF
N3-030116	Use of Nb UP protocol after inter-MSC handover	23.910	044	1	F	Rel-4	CSSPLIT
N3-030117	Use of Nb UP protocol after inter-MSC handover	23.910	045	1	A	Rel-5	CSSPLIT
N3-030125	Correction of References and specification Corrections	24.022	008	1	F	Rel-5	TEI
N3-030145	Removal of S reference point within the MS	27.001	083	1	F	Rel-4	TEI
N3-030146	Removal of S reference point within the MS and introduction of	27.001	084	1	F	Rel-5	TEI
N3-030032	Correction of erroneously implemented CRs	29.007	065		F	Rel-5	TEI
N3-030118	Use of Nb UP protocol after inter-MSC handover	29.007	066	1	F	Rel-4	CSSPLIT
N3-030119	Use of Nb UP protocol after inter-MSC handover	29.007	067	1	A	Rel-5	CSSPLIT
N3-030046	Terminology correction	29.061	080		F	Rel-5	E2EQoS
N3-030122	Correction of references and specification corrections	29.061	081	1	A	R99	TEI
N3-030123	Correction of references and specification corrections	29.061	082	1	A	Rel-4	TEI
N3-030124	Correction of references and specification corrections	29.061	083	1	A	Rel-5	TEI
N3-030165	Terminology corrections and capability section update	29.207	073	2	F	Rel-5	E2EQoS IW
N3-030047	Invalid Flow ID	29.207	075		F	Rel-5	E2EQoS
N3-030127	Clarification to binding information handling	29.207	076	1	F	Rel-5	E2EQoS
N3-030132	Restrictions to PDP context policy decisions	29.207	077	1	F	Rel-5	E2EQoS
N3-030128	Mechanism for wildcarding filter elements	29.207	078	1	F	Rel-5	E2eQoS
N3-030181	Reject change of token in PDP context modification	29.207	081	3	F	Rel-5	E2eQoS
N3-030167	Clarification on TFT filters	29.207	084	2	F	Rel-5	E2EQoS
N3-030113	Correction of what is identified with the policy element	29.207	088		F	Rel-5	e2eQoS
N3-030182	mapping rules for QoS authorization	29.208	019	3	F	Rel-5	E2E QoS
N3-030171	Correction of a clash	29.208	021	2	F	Rel-5	E2eQoS
N3-030074	Addition of the SDP directional attribute "inactive".	29.208	022		F	Rel-5	E2eQoS
N3-030173	Adding of the Resume case	29.208	025	2	F	Rel-5	E2EQoS
N3-030137	Clarification on PDP context modification	29.208	026	1	F	Rel-5	E2EQoS IW
N3-030169	Correction and clarification that is needed in some cases	29.208	029	2	F	Rel-5	e2eQoS
N3-030141	Corrections in the table 7.1.1.2 and in the table 7.2.2.1.	29.208	031		F	Rel-5	E2EQoS
N3-030175	No backward compatibility to Nb UP FP support mode version	29.415	007	1	A	Rel-5	CSSPLIT
N3-030174	No backward compatibility to Nb UP FP support mode version	29.415	006	1	F	Rel-4	CSSPLIT

### 32 CRs AGREED at this meeting

## 13.5 Other

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## **14 Any other business**

The future meeting deadline will be moved to the Monday before the meeting. Tdoc numbers to be requested by 12:00 and documents to be delivered by 17:00 CET.

Suggested to have an additional CN3 Ad Hoc meeting to discuss TS 29.163 some time in April. This will be decided when the TS 29.163 is available on email.

The mandate of the Ad Hoc will be to improve the TS 29.163. The output of the Ad Hoc meeting needs to be presented and agreed in the CN3#28 meeting. Note CN1 have a meeting 31<sup>st</sup> March -4<sup>th</sup> April.

The details of the dates for the meeting will be discussed by e-mail. Tentative dates would be 1-2 April.

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## **15 Close of meeting**

Norbert closed the 27<sup>th</sup> CN3 meeting on Friday 14<sup>th</sup> February at 13:00, 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

The following delegates attended the meeting.

Dr. Ragnar Huslende	ERICSSON L.M.	3GPPMEMBER (ETSI)	+47 452 49237	<a href="mailto:ragnar.huslende@ericsson.no">ragnar.huslende@ericsson.no</a>
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Constance	Orange France			
Toni				
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Alf	Ericsson			
Arturo	TIM			
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Brendan	Vodafone			
Nigel	O2			
Richard Brook	Samsung			
Derek R	Megisto			

!!! TO BE COMPLETED !!!

**xx attendees at this meeting**

## Annex B: List of documents

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
2	N3-030001	Agenda	Draft Agenda for CN3#27 Meeting	CN3 Chair							Approved
3	N3-030002	DAD	Allocation of documents to agenda items (at deadline)	CN3 Chair							Noted
3	N3-030003	DAD	Allocation of documents to agenda items (at start of day 2)	CN3 Chair							Noted
3	N3-030004	DAD	Allocation of documents to agenda items (at start of day 3)	CN3 Chair							Noted
3	N3-030005	DAD	Allocation of documents to agenda items (at start of day 4)	CN3 Chair							Noted
3	N3-030006	DAD	Allocation of documents to agenda items (at end of day 5)	CN3 Chair							Noted
4.1	N3-030007	REPORT	Draft report from CN3#26 (Bangkok)	MCC							Approved
4.2	N3-030008	REPORT	Draft report from CN#18	MCC							Noted
4.2	N3-030009	REPORT	Brief notice from CN#18 relevant for CN3	CN3 Chair							Noted
4.2	N3-030010	REPORT	Email on Highlights of CN#17/SA#17	CN Chair							Noted
12.1	N3-030011	WORK PLAN	Latest Version of the 3GPP Work Plan	MCC							Noted
12.2	N3-030012	INFO	Status of CN3 specifications following SA#18	MCC							Noted
9.1.2	N3-030013	INFO	Open issues for TS29.207, Version 5.0.0	CN3							Noted
9.1.3	N3-030014	INFO	Open issues for TS29.208 Version 5.0.0	CN3							Noted
7	N3-030015	LS in	Reply LS on CS data services for GERAN lu-mode	TSG CN WG4							Noted
7	N3-030016	LS in	LS on list of core IMS specifications for Access Independence	TSG CN WG4							Noted

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
7	N3-030017	LS in	LS on proposed list of core IMS specifications for Access Independence	TSG CN WG1							Noted
7	N3-030018	LS in	Re. LS on signalling requirements for IP QoS	ITU-SG11							Noted
7	N3-030019	LS in	Re. LS on "Procedure for specifying UMTS QoS parameters per application"	TSG SA WG4							Noted
7	N3-030020	LS in	Re. views and requirements concerning SIP-ISUP/BICC interworking	ITU-T							Noted
9.3	N3-030021	CR	Corrections and alignments	Siemens AG	TEI	29.007	064	0	F	Rel-5	Withdrawn
8.1	N3-030022	CR	Correction of figure for Radius Accounting Update	Siemens AG	TEI	09.61	A041	0	F	R97	Agreed to be Merged
8.1	N3-030023	CR	Correction of figure for Radius Accounting Update	Siemens AG	TEI	09.61	A042	0	A	R98	Agreed to be Merged
8.1	N3-030024	CR	Correction of References	Siemens AG	TEI	09.61	A043	0	F	R97	Agreed to be Merged
8.1	N3-030025	CR	Correction of References	Siemens AG	TEI	09.61	A044	0	A	R98	Agreed to be Merged
8.1	N3-030026	CR	Correction of message names in figures	Siemens AG	TEI	09.61	A045	0	D	R97	Agreed to be Merged
8.1	N3-030027	CR	Correction of message names in figures	Siemens AG	TEI	09.61	A046	0	D	R98	Agreed to be Merged
8.1	N3-030028	CR	Correction of message names in figures	Siemens AG	TEI	29.061	073	0	D	R99	Agreed to be Merged
8.1	N3-030029	CR	Correction of message names in figures	Siemens AG	TEI	29.061	074	0	D	Rel-4	Agreed to be Merged
8.1	N3-030030	CR	Correction of message names in figures	Siemens AG	TEI	29.061	075	0	D	Rel-5	Agreed to be Merged
12.4	N3-030031	Candidature	Candidature for Mr Norbert Klehn	Siemens							Noted
9.3	N3-030032	CR	Correction of erroneous implemented CRs	MCC	TEI	29.007	065	0	F	Rel-5	Agreed
7	N3-030033	LS in	LS on Interworking between IMS and CS networks	TSG SA WG2							Noted
7	N3-030034	LS in	Adoption of SDP bandwidth modifier for RTCP	TSG SA WG4							Noted

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
8.1	N3-030035	CR	Correction of References	Siemens AG	TEI	29.061	076	0	A	R99	Agreed to be Merged
8.1	N3-030036	CR	Correction of References	Siemens AG	TEI	29.061	077	0	A	Rel-4	Agreed to be Merged
8.1	N3-030037	CR	Correction of References	Siemens AG	TEI	29.061	078	0	A	Rel-5	Agreed to be Merged
7	N3-030038	LS out	LS Reply to N3-030019 on QoS SDP mapping	Nortel Networks							Revised in N3-030170
10.3	N3-030039	CR	General corrections to 29.163	Nortel Networks	IMS-CCR-Mn	29.163	001	0	F	Rel-6	Merged into 0143
10.10	N3-030040	Discussion	Draft WID for eTFO	Nortel Networks							Noted
9.1.2	N3-030041	CR	Editorial clean up and terminology corrections	Nortel Networks	E2EQoS IW	29.207	073	0	F	Rel-5	Revised in N3-030126
9.1.2	N3-030042	CR	go3gpplcidValue is OCTECT STRING, change to Unsigned32	Nortel Networks	E2EQoS IW	29.207	074	0	F	Rel-5	Withdrawn
9.1.3	N3-030043	Discussion	mapping rules for QoS authorization	T-Mobile, Siemens							Noted
9.1.3	N3-030044	CR	mapping rules for QoS authorization	T-Mobile, Siemens	E2E QoS	29.208	019	0	F	Rel-5	Revised in N3-030134
9.1.1	N3-030045	CR	Signalling PDP context indication	Nokia	E2EQoS	29.061	079	0	F	Rel-5	Withdrawn
9.1.1	N3-030046	CR	Terminology correction	Nokia	E2EQoS	29.061	080	0	F	Rel-5	Agreed
9.1.2	N3-030047	CR	Invalid Flow ID	Nokia	E2EQoS	29.207	075	0	F	Rel-5	Agreed
9.1.2	N3-030048	CR	Clarification to binding information handling	Nokia	E2EQoS	29.207	076	0	F	Rel-5	Revised in N3-030127
9.1.2	N3-030049	CR	Restrictions to PDP context policy decisions	Nokia	E2EQoS	29.207	077	0	F	Rel-5	Revised in N3-030132
10.2	N3-030050	[CR]	Mn signalling interactions and procedures	Nokia, mmO2, Siemens, Vodafone	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030148
10.2	N3-030051	[CR]	User plane interworking with BICC networks in IM MGW	Nokia	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030144
10.2	N3-030052	[CR]	Mn signalling interactions and procedures for session release	Nokia	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030149

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
10.2	N3-030053	[CR]	IMS session hold and release	Nokia	IMS-CCR-IWCS	29.163			F	Rel-6	Rejected
10.2	N3-030054	[CR]	Handling of RTP telephony events	Nokia	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030150
10.11	N3-030055	WID	WLAN Interworking stage 3 definition of WLAN-3GPP interworking	Nokia							Noted
8.4	N3-030056	CR	Removal of S reference point within the MS	Siemens AG	TEI	27.001	083	0	F	Rel-4	Revised in N3-030145
8.4	N3-030057	CR	Removal of S reference point within the MS and introduction of GERAN lu mode	Siemens AG	TEI	27.001	084	0	F	Rel-5	Revised in N3-030146
9.2	N3-030058	CR	Two-step HLR interrogation for SCUDIF calls	L.M.Ericsson	SCUDIF	23.172	007	0	F	Rel-5	Revised in N3-030133
9.2	N3-030059	Discussion	PCM selection for SCUDIF Calls	L.M.Ericsson							Withdrawn
8.4	N3-030060	Discussion	Alternatives for the release of IP address/prefix in the AAA server	L.M.Ericsson							Noted
8.2	N3-030061	Discussion	TS 24.008 and TS 27.001 misalignment	L.M.Ericsson							Noted
8.2	N3-030062	CR	ACC, MaxNumTCH and UIMI additional combination in 27.001	L.M.Ericsson	CS Data	27.001	085	0	F	R99	Revised in N3-030115
10.2	N3-030063	[CR]	Corrections/Additions to Sections 1-7.2.3 of 29.163	L.M.Ericsson	IMS-CCR-IWCS	29.163				Rel-6	Revised in N3-030143
10.2	N3-030064	[CR]	Addition of a new section 7.2.3 (ISUP-SIP protocol interworking)	L.M.Ericsson	IMS-CCR-IWCS	29.163				Rel-6	Revised in N3-030160
10.2	N3-030065	[CR]	Addition to section 7.3 of 29.163	L.M.Ericsson	IMS-CCR-IWCS	29.163				Rel-6	Revised in N3-030161
10.2	N3-030066	[CR]	Addition of a new section 7.3.3 (BICC-SIP protocol interworking)	L.M.Ericsson	IMS-CCR-IWCS	29.163				Rel-6	Revised in N3-030162
10.2	N3-030067	[CR]	Addition of a new section 7.4 (supplementary services)	L.M.Ericsson	IMS-CCR-IWCS	29.163				Rel-6	Revised in N3-030159
9.1.2	N3-030068	CR	Mechanism for wildcarding filter elements	L.M.Ericsson	E2eQoS	29.207	078	0	F	Rel-5	Revised in N3-030128
9.1.2	N3-030069	CR	Handling of invalid direction decision combination	L.M.Ericsson	E2eQoS	29.207	079	0	F	Rel-5	Revised in N3-030129
9.1.2	N3-030070	CR	Restrictions on changes to binding information at PDP context modification	L.M.Ericsson	E2eQoS	29.207	080	0	F	Rel-5	Not approved



Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
9.1.3	N3-030071	CR	Modification of the rules for deriving Maximum Authorized QoS/Traffic Class per media component.	L.M.Ericsson	E2eQoS	29.208	020	0	F	Rel-5	Withdrawn
9.1.2	N3-030072	CR	Reject change of token in PDP context modification	L.M.Ericsson	E2eQoS	29.207	081	0	F	Rel-5	Revised in N3-030158
9.1.3	N3-030073	CR	Correction of a clash	L.M.Ericsson	E2eQoS	29.208	021	0	F	Rel-5	Revised in N3-030139
9.1.3	N3-030074	CR	Addition of the SDP directional attribute "inactive".	L.M.Ericsson	E2eQoS	29.208	022	0	F	Rel-5	Agreed
9.1.3	N3-030075	CR	Introduction of RTCP bandwidth	L.M.Ericsson	E2eQoS	29.208	023	0	F	Rel-5	Withdrawn
9.1.3	N3-030076	CR	Discussion on additional bandwidth per IP flow.	L.M.Ericsson	E2eQoS	29.208	024	0	F	Rel-5	Withdrawn
9.1.2	N3-030077	CR	Clarification on the cases of modification of the previously authorized PDP context	Orange France	E2EQoS	29.207	082	0	F	Rel-5	Merged into 0176
9.1.2	N3-030078	CR	Clarification on the generation of the authorisation token	Orange France	E2EQoS	29.207	083	0	F	Rel-5	Postponed
9.1.2	N3-030079	CR	Clarification on TFT filters	Orange France	E2EQoS	29.207	084	0	F	Rel-5	Revised in N3-030130
9.1.2	N3-030080	CR	Adding a new RFC reference	Orange France	E2EQoS	29.207	085	0	F	Rel-5	Withdrawn
9.1.3	N3-030081	CR	Adding of the Resume case	Orange France	E2EQoS	29.208	025	0	F	Rel-5	Revised in N3-030136
10.1	N3-030082	Discussion	Network based interworking versus terminal based interworking	O2							Noted
10.1	N3-030083	[CR]	Proposed changes to the TR on SIP interworking	O2				0		Rel-6	Rejected
8.3	N3-030084	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	23.910	044	0	F	Rel-4	Revised in N3-030116
8.3	N3-030085	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	23.910	045	0	A	Rel-5	Revised in N3-030117
8.3	N3-030086	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	29.007	066	0	F	Rel-4	Revised in N3-030118
8.3	N3-030087	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	29.007	067	0	A	Rel-5	Revised in N3-030119
8.3	N3-030088	CR	No backward compatibility to Nb UP FP support mode version 1 required	Siemens	CSSPLIT	29.415	006	0	F	Rel-4	Revised in N3-030174

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
8.3	N3-030089	CR	No backward compatibility to Nb UP FP support mode version 1	Siemens	CSSPLIT	29.415	007	0	A	Rel-5	Revised in N3-030175
9.1.2	N3-030090	CR	Correction on Devise Capabilities	Siemens	E2EQoS	29.207	086	0	F	Rel-5	Withdrawn
9.2	N3-030091	CR	Callflows for Service change during the active state	Siemens	SCUDIF	23.172	008	0	F	Rel-5	Postponed
10.1	N3-030092	[CR]	Insertion of static B2B UA	Siemens	IMS-CCR-IWIP	29.962				–	Revised in N3-030153
10.1	N3-030093	[CR]	Relevant Charging and QoS mechanisms	Siemens	IMS-CCR-IWIP	29.962				–	Revised in N3-030152
10.1	N3-030094	[CR]	General rules for B2B UA	Siemens	IMS-CCR-IWIP	29.962				–	Revised in N3-030157
10.1	N3-030095	[CR]	end-to-end callflows in mobile terminating case	Siemens	IMS-CCR-IWIP	29.962				–	Revised in N3-030154
10.1	N3-030096	[CR]	Updates for end-to-end callflows	Siemens	IMS-CCR-IWIP	29.962				–	Revised in N3-030156
10.2	N3-030097	Discussion	Connecting MGCF+MGW to 3GPP Cs domain	Siemens							Noted
10.2	N3-030098	[CR]	Update of References	Siemens	IMS-CCR-IWCS	29.163				–	Merged into 0143
10.2	N3-030099	Discussion	Handling of DTMF	Siemens							Noted
9.1.3	N3-030100	CR	Clarification on PDP context modification	Nortel Networks	E2EQoS IW	29.208	026	0	F	Rel-5	Revised in N3-030137
9.1.2	N3-030101	CR	Corrections of references	Lucent Technologies	E2EQoS	29.207	087	0	F	Rel-5	Merged into 126
9.1.3	N3-030102	CR	Corrections (T.B.D.)	Lucent Technologies	E2EQoS	29.208	027	0	F	Rel-5	Withdrawn
9.1.3	N3-030103	Discussion	Discussion on RTCP bandwidth	Ericsson							Withdrawn
9.1.3	N3-030104	Discussion	Discussion on additional bandwidth per IP flow	L.M Ericsson							Withdrawn
8.4	N3-030105	CR	Correction of references and specification corrections	MCC	TEI	09.61	A047	0	F	R97	Revised in N3-030120
8.4	N3-030106	CR	Correction of references and specification corrections	MCC	TEI	09.61	A048	0	A	R98	Revised in N3-030121

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
8.4	N3-030107	CR	Correction of references and specification corrections	MCC	TEI	29.061	081	0	A	R99	Revised in N3-030122
8.4	N3-030108	CR	Correction of references and specification corrections	MCC	TEI	29.061	082	0	A	Rel-4	Revised in N3-030123
8.4	N3-030109	CR	Correction of references and specification corrections	MCC	TEI	29.061	083	0	A	Rel-5	Revised in N3-030124
	N3-030110	CR	Correction of References and specification Corrections	MCC	TEI	24.022	008	0	F	Rel-5	Revised in N3-030125
9.1.3	N3-030111	CR	Correction and clarification RTCP IP Flow	Ericsson	E2EQoS	29.208	028	0	F	Rel-5	Withdrawn
9.1.3	N3-030112	CR	Correction and clarification that is needed in some cases	Ericsson	e2eQoS	29.208	029	0	F	Rel-5	Revised in N3-030138
9.1.2	N3-030113	CR	Correction of what is identified with the policy element AUTH_SESSION	Ericsson	e2eQoS	29.207	088	0	F	Rel-5	Agreed
9.2	N3-030114	Discussion	PCM selection for SCUDIF Calls	L.M.Ericsson							Noted
8.2	N3-030115	CR	ACC, MaxNumTCH and UIMI additional combination in 27.001	L.M.Ericsson	CS Data	27.001	085	1	F	R99	email approval
8.3	N3-030116	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	23.910	044	1	F	Rel-4	Agreed
8.3	N3-030117	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	23.910	045	1	A	Rel-5	Agreed
8.3	N3-030118	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	29.007	066	1	F	Rel-4	Agreed
8.3	N3-030119	CR	Use of Nb UP protocol after inter-MSC handover	Siemens	CSSPLIT	29.007	067	1	A	Rel-5	Agreed
8.4	N3-030120	CR	Correction of references and specification corrections	MCC	TEI	09.61	A047	1	F	R97	Agreed
8.4	N3-030121	CR	Correction of references and specification corrections	MCC	TEI	09.61	A048	1	A	R98	Agreed
8.4	N3-030122	CR	Correction of references and specification corrections	MCC	TEI	29.061	081	1	A	R99	Agreed
8.4	N3-030123	CR	Correction of references and specification corrections	MCC	TEI	29.061	082	1	A	Rel-4	Agreed
8.4	N3-030124	CR	Correction of references and specification corrections	MCC	TEI	29.061	083	1	A	Rel-5	Agreed

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	N3-030125	CR	Correction of References and specification Corrections	MCC	TEI	24.022	008	1	F	Rel-5	Agreed
9.1.2	N3-030126	CR	Editorial clean up and terminology corrections	Nortel Networks	E2EQoS IW	29.207	073	1	F	Rel-5	Revised in N3-030165
9.1.2	N3-030127	CR	Clarification to binding information handling	Nokia	E2EQoS	29.207	076	1	F	Rel-5	Agreed
9.1.2	N3-030128	CR	Mechanism for wildcarding filter elements	L.M.Ericsson	E2eQoS	29.207	078	1	F	Rel-5	Agreed
9.1.2	N3-030129	CR	Handling of invalid direction decision combination	L.M.Ericsson	E2eQoS	29.207	079	1	F	Rel-5	POSTPONED to CN3#28
9.1.2	N3-030130	CR	Clarification on TFT filters	Orange France	E2EQoS	29.207	084	1	F	Rel-5	Revised in N3-030167
9.1.3	N3-030131	CR	Editorial clarifications and corrections	MCC	TEI	29.208	030	0	D	Rel-5	Merged into 0139
9.1.2	N3-030132	CR	Restrictions to PDP context policy decisions	Nokia	E2EQoS	29.207	077	1	F	Rel-5	Agreed
9.2	N3-030133	CR	Two-step HLR interrogation for SCUDIF calls	L.M.Ericsson	SCUDIF	23.172	007	1	F	Rel-5	Agreed
9.1.3	N3-030134	CR	mapping rules for QoS authorization	T-Mobile, Siemens	E2E QoS	29.208	019	1	F	Rel-5	Revised in N3-030168
7	N3-030135	LS in	LS to CN3 on Proposed Split of work between 29.163 & 29.332	TSG CN WG4							Noted
9.1.3	N3-030136	CR	Adding of the Resume case	Orange France	E2EQoS	29.208	025	1	F	Rel-5	Revised in N3-030173
9.1.3	N3-030137	CR	Clarification on PDP context modification	Nortel Networks	E2EQoS IW	29.208	026	1	F	Rel-5	Agreed
9.1.3	N3-030138	CR	Correction and clarification that is needed in some cases	Ericsson	e2eQoS	29.208	029	1	F	Rel-5	Revised in N3-030169
9.1.3	N3-030139	CR	Correction of a clash	L.M.Ericsson	E2eQoS	29.208	021	1	F	Rel-5	Revised in N3-030171
9.1.2	N3-030140	Discussion	Summary of ad hoc discussion on token change	Ad hoc group							Noted
9.1.3	N3-030141	CR	Corrections in the table 7.1.1.2 and in the table 7.2.2.1.	Ericsson	E2EQoS	29.208	031	0	F	Rel-5	Agreed
7	N3-030142	LS out	LS reply to CN4 on Proposed Split Of Work between 29.163 and 29.332	CN3							Approved

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
10.2	N3-030143	[CR]	Corrections/Additions to Sections 1-7.2.3 of 29.163	L.M.Ericsson	IMS-CCR-IWCS	29.163		1		Rel-6	Revised in N3-030172
10.2	N3-030144	[CR]	User plane interworking with BICC networks in IM MGW	Nokia	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030176
8.4	N3-030145	CR	Removal of S reference point within the MS	Siemens AG	TEI	27.001	083	1	F	Rel-4	Agreed
8.4	N3-030146	CR	Removal of S reference point within the MS and introduction of GERAN lu mode	Siemens AG	TEI	27.001	084	1	F	Rel-5	Agreed
	N3-030147	WID	WID for Mn	CN4							Noted
10.2	N3-030148	[CR]	Mn signalling interactions and procedures	Nokia, mmO2, Siemens, Vodafone	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030177
10.2	N3-030149	[CR]	Mn signalling interactions and procedures for session release	Nokia	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030179
10.2	N3-030150	[CR]	Handling of RTP telephony events	Nokia	IMS-CCR-IWCS	29.163		1	F	Rel-6	Agreed
	N3-030151	LS out	LS out to CN1 and SA4 on 'stuff'	CN3							Revised in N3-030184
10.1	N3-030152	[CR]	Relevant Charging and QoS mechanisms	Siemens	IMS-CCR-IWIP	29.962		1		-	Agreed
10.1	N3-030153	[CR]	Insertion of static B2B UA	Siemens	IMS-CCR-IWIP	29.962		1		-	Agreed
10.1	N3-030154	[CR]	end-to-end callflows in mobile terminating case	Siemens	IMS-CCR-IWIP	29.962		1		-	Agreed
10.1	N3-030155	LS out	LS to SA5 on the use of the on hold	CN3							Revised in N3-030186
10.1	N3-030156	[CR]	Updates for end-to-end callflows	Siemens	IMS-CCR-IWIP	29.962		1		-	Agreed
10.1	N3-030157	[CR]	General rules for B2B UA	Siemens	IMS-CCR-IWIP	29.962		1		-	Agreed
9.1.2	N3-030158	CR	Reject change of token in PDP context modification	L.M.Ericsson	E2eQoS	29.207	081	1	F	Rel-5	Revised in N3-030166
10.2	N3-030159	[CR]	Addition of a new section 7.4 (supplementary services)	L.M.Ericsson	IMS-CCR-IWCS	29.163		1		Rel-6	
10.2	N3-030160	[CR]	Addition of a new section 7.2.3 (ISUP-SIP protocol interworking)	L.M.Ericsson	IMS-CCR-IWCS	29.163		1		Rel-6	Revised in N3-030180

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
10.2	N3-030161	[CR]	Addition to section 7.3 of 29.163	L.M.Ericsson	IMS-CCR-IWCS	29.163		1		Rel-6	Agreed
10.2	N3-030162	[CR]	Addition of a new section 7.3.3 (BICC-SIP protocol interworking)	L.M.Ericsson	IMS-CCR-IWCS	29.163		1		Rel-6	Revised in N3-030183
9.1.4	N3-030163	CR	authorisation token verse a PDP context	Ericsson	IMS-CCR-	27.060	081	0	F	Rel-5	Postponed to N3#28
9.1.2	N3-030164	LS out	LS on "Not allowing token changes for a PDP context"	CN3							Revised in N3-030188
9.1.2	N3-030165	CR	Terminology corrections and capability section update	Nortel Networks	E2EQoS IW	29.207	073	2	F	Rel-5	Agreed
9.1.2	N3-030166	CR	Reject change of token in PDP context modification	L.M.Ericsson	E2eQoS	29.207	081	2	F	Rel-5	Revised in N3-030181
9.1.2	N3-030167	CR	Clarification on TFT filters	Orange France	E2EQoS	29.207	084	2	F	Rel-5	Agreed
9.1.3	N3-030168	CR	mapping rules for QoS authorization	T-Mobile, Siemens	E2E QoS	29.208	019	2	F	Rel-5	Revised in N3-030182
9.1.3	N3-030169	CR	Correction and clarification that is needed in some cases	Ericsson	e2eQoS	29.208	029	2	F	Rel-5	Agreed
7	N3-030170	LS out	Reply LS on "Procedure for specifying UMTS QoS parameters per application"	Nortel Networks							Approved
9.1.3	N3-030171	CR	Correction of a clash	L.M.Ericsson	E2eQoS	29.208	021	2	F	Rel-5	Agreed
10.2	N3-030172	[CR]	Corrections/Additions to Sections 1-7.2.3 of 29.163	L.M.Ericsson	IMS-CCR-IWCS	29.163		2		Rel-6	Agreed
9.1.3	N3-030173	CR	Adding of the Resume case	Orange France	E2EQoS	29.208	025	2	F	Rel-5	Agreed
8.3	N3-030174	CR	No backward compatibility to Nb UP FP support mode version 1 required	Siemens, Ericsson	CSSPLIT	29.415	006	1	F	Rel-4	Agreed
8.3	N3-030175	CR	No backward compatibility to Nb UP FP support mode version 1	Siemens, Ericsson	CSSPLIT	29.415	007	1	A	Rel-5	Agreed
10.2	N3-030176	[CR]	User plane interworking with BICC networks in IM MGW	Nokia	IMS-CCR-IWCS	29.163		2	F	Rel-6	Agreed
10.2	N3-030177	[CR]	Mn signalling interactions and procedures	Nokia, mmO2, Siemens, Vodafone	IMS-CCR-IWCS	29.163		2	F	Rel-6	Revised in N3-030178
10.2	N3-030178	[CR]	Mn signalling interactions and procedures	Nokia, mmO2, Siemens, Vodafone	IMS-CCR-IWCS	29.163		3	F	Rel-6	Agreed

Agenda	Tdoc	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
10.2	N3-030179	[CR]	Mn signalling interactions and procedures for session release	Nokia	IMS-CCR-IWCS	29.163		2	F	Rel-6	Agreed
10.2	N3-030180	[CR]	Addition of a new section 7.2.3 (ISUP-SIP protocol interworking)	L.M.Ericsson	IMS-CCR-IWCS	29.163		2		Rel-6	Agreed
9.1.2	N3-030181	CR	Reject change of token in PDP context modification	L.M.Ericsson	E2eQoS	29.207	081	3	F	Rel-5	Agreed
9.1.3	N3-030182	CR	mapping rules for QoS authorization	T-Mobile, Siemens	E2E QoS	29.208	019	3	F	Rel-5	Agreed
10.2	N3-030183	[CR]	Addition of a new section 7.3.3 (BICC-SIP protocol interworking)	L.M.Ericsson	IMS-CCR-IWCS	29.163		2		Rel-6	Agreed
7	N3-030184	LS out	LS Handling of DTMF in IMS	CN3							Approved
10.1	N3-030185	TR	TR 29.962v1.1.0 (inc. cover sheet for plenary)	Siemens							to be provided by e-mail
10.1	N3-030186	LS out	LS on Handling of the SDP "inactive" direction attribute.	CN3							Approved
10.2	N3-030187	TS	TS 29.163 with changes from CN3#27	Siemens							to be provided by e-mail
9.1.2	N3-030188	LS out	LS on "Not allowing token changes for a PDP context"	CN3							Approved

**188** documents treated at this meeting

**History:**

<b>Document History</b>	
10 <sup>th</sup> -14 <sup>th</sup> Feb 2003	DRAFT v0.0.1 -> 0.0.5 distributed in the meeting.
18 <sup>th</sup> Feb 2003	<p>DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list.</p> <p>Comments, if any, to be addressed to:</p> <p style="padding-left: 40px;">David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secretariat Tel :+33 (0)4 92 94 42 78 e-mail: <i> david.boswarthick@ETSI.fr</i></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;"><b>Comments back by 4<sup>th</sup> March</b></p>
	Updated DRAFT v2.0.0 placed to the server
	N3-030xxx [v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#28 meeting. Updated to N3-030xyz and placed to the server as v3.0.0.