Third Generation Partnership Project

**Meeting Report v3.0.0
for
3GPP TSG CN WG 3
Meeting #29**

**Sophia Antipolis, France
25th - 29th August, 2003.**

Hosted by

ETSI

Chairman:	**Norbert Klehn, Siemens AG. norbert.klehn@siemens.com**
Vice Chairman:	**Mr. Juha Räsänen, NOKIA Corporation. juha.a.rasanen@nokia.com**
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1. Opening of the Meeting

The 29th CN3 meeting took place from 25th - 29th August 2003, in Sophia Antipolis, France

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday and welcomed the CN3 delegates to Sophia on behalf of the hosts.

Objectives for the Meeting:-

?? Stabilise Rel-5 specifications. (only essential CRs accepted after CN#20)

?? Complete the TR 29.163, CN#21 expects the document for approval

2 Approval of the agenda

N3-030465: **CN3#29 Draft Meeting Agenda, source CN3 Chairman.**

CONTENT: Contains the draft agenda for CN3#29 Meeting.

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

RESULT: The Agenda was **APPROVED.**

3 Registration of documents

N3-030468: **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.**

N3-030469: **Allocation of documents to Agenda items for (Start Day 1).**

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

N3-030470: **Allocation of documents to Agenda items for (end Day 2).**

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

N3-030471: **Allocation of documents to Agenda items (end Day 3).**

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

N3-030472: **Allocation of documents to Agenda items (End of Day 4).**

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

N3-030473: **Allocation of documents to Agenda items (End of Day 5).**

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

4 Reports

4.1 Report of last CN3 Meeting

N3-030484:   **CN3#28 Draft Meeting Report, source MCC.**

CONTENT: Contains the draft meeting report for the CN3#28 (San Diego).

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.

COMMENTS: Some minor editorials were detected (by MCC) and the status of the email approvals were updated.

RESULT: The document was **REVISED to 0565.**

? REVISED ?

N3-030565:   **CN3#28 Draft Meeting Report, source MCC.**

RESULT: The document was **APPROVED.**

4.2 Reports from last CN

N3-030487:   **CN#20 Draft Meeting Report, source MCC.**

RESULT: The document was **NOTED.**

N3-030466:   **Brief notice from CN#20 relevant for CN3, source CN3 Chairman.**

CONTENT: Contains the email from CN3 chair to CN3 email exploder containing hi-lights of CN#20.

RESULT: The document was **NOTED.**

N3-030467:   **Email on Highlights of CN#20/SA#20, source CN Chairman.**

CONTENT: Contains the email from CN chair to CN email exploder containing hi-lights of TSG#20.

RESULT: The document was **NOTED.**

4.3 Reports of other groups

No documents for this agenda item

5   Reminder for IPR declaration

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

> The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.
>
> The members take note that they are hereby invited:
> - ?? to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
> - ?? to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

6   Items for immediate consideration

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

No documents for this agenda item

7 Received Liaison Statements

N3-030474   **LS reply on Rel-6 IMS Session Hold and Resume stage 2 and 3 descriptions TSG SA WG5**

CONTENT: SA5 don't see a need for a new charging model as the CS charging model should be used. When a UE performs a hold, resources will still be allocated and charging will continue as for a normal session in the same way as it is done in CS domain. The CS domain indicates hold and resume in the CDRs and these indications are also needed in IMS. IMS charging provides the capability to use either of the SDP attributes discussed in S5-034415/N3-030413 for that purpose.

RESULT: The document was **NOTED.**

N3-030481   **Response LS on IMS Session Hold and Resume stage 2 and 3 descriptions TSG SA WG2**

CONTENT: In this LS, SA2 answer the questions raised by CN3 in their LS.

1.   There is no service description of the hold and resume service in the IMS that would describe e.g. the charging implications.

SA2 answer: SA2 believes there is no intention in 3GPP to provide descriptions for specific services in IMS (e.g. supplementary type services). But additional clarifications could be made to clarify the usage of possible scenarios in the specification, if deemed necessary.

2.   The call flows showing the handling of hold and resume from the IMS side at the MGCF/IM-MGW in TS 23.228 and TS 24.228 do not depict any hold and resume messages on the CS side, although they depict a PSTN box. Thus they seem to imply that the hold and resume service originating in the IMS is terminated at the MGCF/IM-MGW, rather than interworked with the corresponding service at the CS side.

SA2 answer: SA2 have agreed to the attached CR (S2-032671) which implements adding a CS side indication to the relevant hold and resume procedures. SA2 believes there will be no additional impacts to existing PSTN/CS domain service interaction due to these procedures.

3.   CN3 could not agree if suspension of media sending at the IM-MGW (and the needed H.248 procedures) is really required as gating is also done in the GGSN. There were also concerns during the discussion of the service about why to act upon the receipt of the hold request at the Mn interface side if the subscriber is still charged due to the use of the CS side resources. In a pure CS-CS call no action is done in user plane for a hold resume sequence. In a pure IMS-IMS call, the gating function in the GGSN is understood by CN3 to be optional and therefore no interaction with user plane seems to be required.

SA2 answer: SA2 would like to inform CN3 that Resume and Hold procedures and the gating functionality within the GGSN are architecturally separate functions. It should be noted that while the media via MGW may have been put on hold, service interactions such as playing announcements etc. in parallel are not to be affected by this procedure.

TS 23.228 contains H.248 interaction showing the possibility to suspend the sending of media at the IM-MGW upon call hold. In case these interactions are changed, SA2 will make sure to notify CN3.

4.   CN3 assumes that putting media on hold is done using the SDP "inactive" attribute, although RFC 3264 describes the possibility that an UA puts "sendrecv" media on hold by making them "sendonly" and refrains from sending, as the later possibility can not be discriminated within the network from making media streams unidirectional.

SA2 answer: SA2 understands that this is a stage-3 question and expects CN1 to provide guidance on this matter.

DISCUSSION: Awaiting CN1's response. Will be re-examined once CN3 contributions on the subject have been handled.

RESULT: The document was **NOTED.**

N3-030475   **LS on possible re-organisation of 3GPP charging specification work TSG SA WG5**

CONTENT: A lack of human resources in SA5 SWG-B (Charging) is leading to Editors/Rapporteurs in that group being overloaded and causing a lack of progress on some TSs. As a result it is proposed to move the SA5 Charging work to CN WGs. SA5 and other WGs (particularly CN WGs) are asked to consider if any such work split is possible and practical.

So far, SA5 have agreed that the best way to avoid delaying the completion of the Rel-6 charging specifications is to maintain the current structure until the Rel-6 charging specifications are complete.

Action 1: SA5 ask CN1, CN2, CN3, CN4, CN5, SA1 and SA2 to react to the proposals, and to respond so that SA5 can report back to SA#21 (22-25 September 2003).

Action 2: SA5 ask CN1, CN2, CN3 and CN4 to indicate whether they will allocate time during their meetings of 25–29 August for a joint discussion between members of CN1, CN2, CN3, CN4 and SA5 on 28 or 29 August, to discuss the proposals outlined above. The arrangements for this joint discussion, which should take not more than half-a-day, can be made between the chairmen of the groups.

RESULT: The document was **NOTED.**

N3-030562   **Liaison on Reply LS on possible re-organisation of 3GPP charging specification work, TSG SA WG2**

CONTENT: SA2 has identified the following options:

(A) would require the groups, to which this liaison statement is addressed, to take on additional work to develop charging specifications which are currently the responsibility of SA5 SWG-B.

SA2 comment: SA2 understands, that if deemed necessary, this would mean taking responsibility for the relevant high level normative specifications, e.g. the one to be created for IP-flow based bearer charging. Any further additional workload within the Rel6 timeframe is not desirable from an SA2 perspective. The exact stage-2 workload for Rel7 is difficult to predict at this stage.

(B) is to attract more resources for charging work by concentrating the responsibility for all 3GPP charging work into SA5 SWGB. This would include, for example, the Charging Service Capability Feature (SCF), which is currently handled by CN5 as part of their work on OSA in TS 29.198-12.

SA2 comment: SA2 was not completely sure how to interpret (B). One interpretation of (B) is that it would not change SA2's mandate of overall architectural responsibility, and the current work share. An alternative interpretation of (B) is that SA2 would not perform any work on topics such as TR23.825 ("Overall architecture aspects of IP flow based bearer level charging"), and that it would require movement of CAMEL prepay charging expertise to SA5.

DISCUSSION: The LS has no impact on CN3's present work.

RESULT: The document was **NOTED.**

N3-030561   **CN's view on possible re-organisation of 3GPP charging specification work, CN officials.**

CONTENT: The CN Chairman and Vice-Chairmen as well as the Chairmen of the CN WGs have discussed SA5's LS on possible re-organisation of 3GPP charging specification work and have come to the following conclusion formulated by the CN Chairman:

Migration of charging work into SA1, SA2, and CN3 or CN4 would seem to fit the traditional 3GPP workflow. Having all-in-one groups causes a conflict with the normal tiered structure and shouldn't be done unless absolutely necessary. It is unclear why except for historical reasons, that charging must be treated as such an exception.

However, it is important to make the transition smoothly. If SA5 SWB moves to CN, the following sequence is envisioned:

- SWGB moves under CN as an ad-hoc

- SWGB agrees with SA1 to move stage 1 responsibility to SA1

- SWGB together with SA2 agrees on how to split the responsibility on stage 2

- SWGB gets integrated into CN3 or CN4 if the workload can be accommodated. Otherwise it might become a new WG.

CN can offer a home for SWGB, but ultimately, the decision as to whether to move SWGB is up to SA5 SWGB and its parent bodies.

As for the OSA Charging SCF, we propose that it stays in CN5. This is already in line with the overall proposal above since:

- OSA stage 2 is under the responsibility of SA2

- OSA Charging SCF stage 3 is in a CN WG.

Since this is a management issue, CN would like to send to SA5 a consolidated CN reply at the CN level. For this the WGs are asked to discuss the present document in conjunction with SA5's LS and to report their views to the CN Chairman who will send an e-mail to SA5.

The WGs are of course welcome to send individual response LSs to SA5.

DISCUSSION: The final decision to move the work to CN lies with SA5 SWGB and possibly TGS_SA. This LS from SA5 SWG suggests that the problem has been resolved for Rel-6.

SA5 SWG may give some of their work to SA1 and SA2 and this may resolve their problem of resources in SA5.

CN4 is presently very busy, and will become even busier when they absorb the CN2 work (summer 2004). CN3 is presently less busy and the work for Rel-7 is not yet identified. CN3 considers the chairmen's proposal as reasonable.

CN3 agrees with the proposed text in this document and feels that a separate response LS to SA5 is not necessary.

RESULT: The document was **NOTED.**

N3-030476   **Reply LS on Handling of the SDP 'inactive' direction attribute TSG SA WG5**

CONTENT: The relevance of the SDP "inactive" direction attribute to charging is specified in SA5's Rel-5 TS 32.225, which states that the SDP "inactive" attribute is one of the SDP parameters that are captured both for sessions and for individual media components within the session. This functionality applies to both online and offline IMS charging. At this time, SA5 has no plan to change the specification of this functionality for Rel-6.

RESULT: The document was **NOTED.**

N3-030477   **LS Reply on Handling of SIP redirect messages (3xx responses) TSG SA WG2**

CONTENT: SA WG2 thanks CN WG3 for their question on handling of the SIP redirect (3xx) response. SA WG2 has considered the possible alternatives for this handling, and selected alternative 1 - Call release procedures are started with an appropriate cause code indicating that interworking is not possible. It is believed that there are no special charging scenarios applicable to this alternative.

DISCUSSION: There are some contributions to this meeting on SIP redirect. They take into account the information from SA2.

RESULT: The document was **NOTED.**

N3-030480   **LS on CAMEL interactions with SCUDIF TSG CN WG4 (from joint session with CN2 & CN3)**

CONTENT: In this LS SA2 are asked to clarify the requirements for CAMEL support with SCUDIF service.

RESULT: The document was **NOTED.**

N3-030478   **LS on CAMEL interactions with SCUDIF TSG SA WG1**

RESULT: The document was **DISCUSSED UNDER 9.2.**

N3-030479   **Reply LS on sending the SGSN's MNC and MCC to the GGSN and service node TSG CN WG4**

CONTENT: CN4 respond to SA5 and acknowledge that the concern raised in the SA5 LS that it will be difficult for an operator to implement differential charging based on VPLMN if they cannot rely on all GSNs to include the MCC/MNC.

CN4 would like to draw SA5 attention to the backward compatibility issue. Since the GSNs currently deployed on the market do not support the transfer of MCC/MNC, the RAI IE cannot be made mandatory since PDP context activations not including the RAI IE would be rejected. Hence, on protocol level (in stage 3 TS 09.60 / 29.060) it can only be optional.

Furthermore, it is CN4's opinion that if the feature is to be mandated, this decision shall be made by SA2 because it is nodal level.

RESULT: The document was **NOTED.**

N3-030483   **LS reply on sending the SGSNs MNC and MCC to the GGSN and service node TSG SA WG5**

CONTENT: Responds to the above LS from CN4.

SA5 agrees that specifying the MCC/MNC to be mandatory in the GTP protocol definition would cause inter-operability problems. SA5 believes that nevertheless a more strict presence requirement of the RAI in GPRS messages and MCC/MNC in RADIUS than currently specified is needed.

The request of SA5 is to define the addition of this information in the relevant GTP and RADIUS messages so that while the information parameters are not mandatory in the protocol message descriptions, the accompanying behaviour description for the parameter makes it clear under what conditions they shall be included. These conditions from SA5 perspective are described in the attachment to the LS.

The Charging Characteristic parameter is an example of such a description in TS 29.060.

SA5 asks CN4 to consider changing the behaviour description of the RAI parameter in GPRS as described above and in the attachment.

DISCUSSION: Usage of parameters could be made mandatory, but the parameters could kept optional in order to get an smooth integration of this service. CN4 and SA5 to discuss this issue before CN3 should follow the result. Also SA2 to give guidance.

RESULT: The document was **NOTED.**

N3-030482   **Liaison on SIP signalling interworking TSG SA WG2**

CONTENT: SA2 thanks CN3 and CN1 for their work on TR 29.962.

SA2#33 discussed the architectural impacts of the two proposed solutions and concluded that

·   the solution based on a B2BUA as a signalling interworking function should no longer be pursued;

·   3GPP adopts the so-called end-to-end modified flow as the basis for SIP interworking.

SA2 intends to provide the necessary updates to TS 23.228 at the next meeting(s).

DISCUSSION: CN3 have related changes to 29.207 and 29.208 as opposed to a new TS for stage 3. Contributions are expected to next meetings after implementation of related SA2 CRs.

RESULT: The document was **NOTED.**

N3-030563   **Liaison on Protocol choice for Gmb interface TSG SA WG2**

CONTENT: SA2 has now sent TS 23.246 (MBMS stage 2) to SA for approval and has attached the latest version of this TS for information. (Note: This version is the same as that being sent to SA for approval).   SA2 would like to highlight to CN3 certain specific text from the stage 2 TS and some important working assumptions that SA2 have agreed.

The text below taken from the stage 2 TS defines the overall functionality of the Gmb interface, identifying the two differing types of signalling, namely MBMS service specific and User specific signalling, and some the triggers and information elements that are exchanged. The exact details as to the triggers for the functionality and further information regarding can be found from the stage 2 message flows.

MBMS service specific Gmb signalling:

-    The GGSN establishes the MBMS bearer context and registers at BM-SC.

-    The GGSN or the BM-SC releases the MBMS bearer context and de-register the GGSN from the BM-SC.

-    The BM-SC indicates session start and stop to the GGSN including session attributes like QoS or multicast area.

User specific Gmb signalling:

-    The BM-SC authorises the user specific MBMS multicast service activation (join) at the GGSN.

-    The GGSN reports to the BM-SC the successful user specific MBMS multicast activation (join) to allow the BM-SC to synchronise the BM-SC UE MBMS context and charging with the MBMS UE contexts in SGSN and GGSN.

-    The GGSN reports to the BM-SC when a user specific MBMS multicast service is released or deactivated (e.g. when the radio contact is lost) to synchronise BM-SC UE MBMS contexts and charging with the MBMS UE contexts in SGSN and GGSN.

-    The BM-SC initiates the deactivation of a user specific MBMS multicast service when the MBMS service is terminated at application layer.

SA2 discussed certain options for protocol choice that would meet the above requirement but felt that this decision would be better taken within the relevant CN working group where (the) technical competency exists.

It should be noted however, that although no specific protocol choice has been made it has been agreed as a working assumption that the Gmb interface should be based on AAA procedures, and the choice of protocol should reflect this.

SA2 kindly request CN3 to start investigating the protocol choice for the Gmb interface and inform SA2 once this decision has been made.

DISCUSSION: There are contributions on this to the present meeting [0533]. CN3 will respond to SA2's LS when the contributions have been handled.

RESULT: The document was **NOTED.**

8 Release 4 and earlier

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

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

8.1 GPRS

No input

8.2 Circuit switched Bearer Services [GPRS]

No input

8.3 Bearer Independent Circuit switched Core network [CS Data]

N3-030556	**CR 29.007 – Rel4: Clarification of Handover description, Huawei**
CONTENT:	This CR suggests the description of section 11.5 and section 11.3 are not consistently, the description of section 11.5.1.1 should be deleted.
DISCUSSION:	Siemens welcomed the change and had some editorial changes to the CR. Ericsson agreed with the idea, but had some concerns with the actual CR. Changes correct, but inconsistent, editorial corrections necessary, also changes to 23.910 are needed.
RESULT:	The document was **REVISED to 0566.**

? REVISED ?

N3-030556	**CR 29.007 – Rel4: Clarification of Handover description, Ericsson, Siemens.**
DISCUSSION:	The term IWU is not used in our specifications.
RESULT:	The document was **REVISED to 0637.**

? REVISED ?

N3-030637	**CR 29.007 – Rel4: Clarification of Handover description, Huawei, Ericsson, Siemens.**
RESULT:	The document was **AGREED.**

N3-030557	**CR 29.007 – Rel5: Clarification of Handover description, Huawei**
DISCUSSION:	Siemens welcomed the change and had some editorial changes to the CR. Ericsson agreed with the idea, but had some concerns with the wording of the CR.
RESULT:	The document was **REVISED to 0567.**

? REVISED ?

N3-030567	**CR 29.007 – Rel5: Clarification of Handover description, Huawei, Ericsson, Siemens.**
RESULT:	The document was **REVISED to 0638.**

? REVISED ?

N3-030638	**CR 29.007 – Rel5: Clarification of Handover description, Huawei, Ericsson, Siemens.**
RESULT:	The document was **AGREED.**

N3-030568	**CR 23.910 – Rel4: Clarification of Handover description, Siemens.**
CONTENT:	Non-transparent CS data services at the Nb interface after inter-MSC relocation at the access side of the IWF shall be transported using a SDU size is 320 bits, transmitted

every 5 ms. PDU type 0 is used. The data within the PDUs is encoded as a A-TRAU' frames

RESULT: The document was **REVISED to 0639.**

? REVISED ?

N3-030639   **CR 23.910 – Rel4: Clarification of Handover description, Siemens.**

RESULT: The document was **AGREED.**

N3-030569   **CR 23.910 – Rel5: Clarification of Handover description, Siemens**

RESULT: The document was **REVISED to 0640.**

? REVISED ?

N3-030640   **CR 23.910 – Rel5: Clarification of Handover description, Siemens**

RESULT: The document was **AGREED.**

8.4   Technical Enhancements & Improvements [TEI]

N3-030498   **CR 27.001: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

CONTENT: This CR removes the following inconsistencies. The BC-IE for CS multimedia calls carries also the parameter FNUR. The rules regarding the interpretation of a missing BC-IE in the CALL PROC or CALL CONF messages, respectively, are different for CS multimedia calls and for calls carrying the FNUR, but are not consistently described.

DISCUSSION: Similar contribution from Ericsson in 0519.

RESULT: The document was **REVISED to 0616**

? REVISED ?

N3-030616   **CR 27.001 Rel-5: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

DISCUSSION: CRs back to R99 required. Also minor editorials to wording.

RESULT: The document was **REVISED to 0648**

? REVISED ?

N3-030648   **CR 27.001 Rel-5: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

DISCUSSION: Correct minor error.

RESULT: The document was **REVISED to 0658**

? REVISED ?

N3-030658   **CR 27.001 Rel-5: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

RESULT: The document was **AGREED.**

N3-030646   **CR 27.001 R99: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

DISCUSSION: Term 'vice versa' needs to be removed

RESULT: The document was **REVISED to 0656**

? REVISED ?

N3-030656   **CR 27.001 R99: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

RESULT: The document was **AGREED.**

N3-030647   **CR 27.001 Rel-4: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

DISCUSSION: Mistake in Note 5.

RESULT: The document was **REVISED to 0657**

? REVISED ?

N3-030657   **CR 27.001 Rel-4: Interpretation of "no BC-IE in CALL PROC/CONF messages, Siemens AG**

RESULT: The document was **AGREED.**

N3-030519   **CR 27.001: Interpretation of "no BC-IE in CALL PROC/CONF messages", Ericsson**

CONTENT: This CR removes the option to return no BC-IE in the response to a setup request for 3,1 kHz multimedia call

DISCUSSION: There are some concerns about the consistency between CN3 and CN1 CRs. Suggested postponing to see CN1 outcome.

                   The second change in the CR is fine and independent of CN1's decision.

RESULT: The document was **MERGED with 0519 into 0616.**

N3-030622   **CR 23.172: Interpretation of "no BC-IE in CALL PROC/CONF msgs", Siemens AG**

DISCUSSION: Note needs to be removed from figure, remove comment in coverpage (back to R99).

RESULT: The document was **REVISED to 0652**

? REVISED ?

N3-030652   **CR 23.172: Interpretation of "no BC-IE in CALL PROC/CONF msgs", Siemens AG**

RESULT: The document was **AGREED.**

N3-030499   **CR 29.007: Interpretation of "no BC-IE in CALL PROC/CONF msgs", Siemens AG**

RESULT: The document was **REVISED to 0617 before presentation.**

? REVISED ?

N3-030617   **CR 29.007 Rel-5: Interpretation of "no BC-IE in CALL PROC/CONF messages", Siemens AG**

DISCUSSION: Minor editorials. R99 and Rel-4 versions required.

RESULT: The document was **REVISED to 0651**

? REVISED ?

N3-030651   **CR 29.007 Rel-5: Interpretation of "no BC-IE in CALL PROC/CONF messages", Siemens AG**

RESULT: The document was **AGREED.**

N3-030649   **CR 29.007 R99: Interpretation of "no BC-IE in CALL PROC/CONF messages", Siemens AG**

RESULT: The document was **AGREED.**

N3-030650   **CR 29.007 Rel-4: Interpretation of "no BC-IE in CALL PROC/CONF messages", Siemens AG**

RESULT: The document was **AGREED.**

N3-030520   **CR 29.007: "no BC-IE" option in CALL PROC/CONF messages, Ericsson**

RESULT: The document was **Merged with 0499 to 0617.**

N3-030500   **CR 29.007: Alignment of negotiation rules with 27.001, Siemens AG**

CONTENT: This CR provides an alignment of the negotiation rules of the BC-IE between the UE and the MSC

DISCUSSION: Remove comments in coverpage. CRs also required for R99 and Rel-4

RESULT: The document was **REVISED to 0572.**

? REVISED ?

N3-030572   **CR 29.007 Rel-5: Alignment of negotiation rules with 27.001, Siemens AG**

RESULT: The document was **AGREED.**

N3-030570   **CR 29.007 R99: Alignment of negotiation rules with 27.001, Siemens AG**

RESULT: The document was **AGREED.**

N3-030571   **CR 29.007 Rel-4: Alignment of negotiation rules with 27.001, Siemens AG**

RESULT: The document was **AGREED.**

9 Release 5

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

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

9.1 e2e QoS for IM Subsystem [e2EQoS]

9.1.1 General

N3-030489   **CR 29.061: Alignment of 29.061 with 29.207, Nortel Networks**

CONTENT: The CR provides Alignment of 29.061 with the latest version of 29.207 with regard of the behaviour at the GGSN when binding information is present at Create PDP Context request and it can not contact the PDF.

DISCUSSION: Repeated text in 13a.2.1 and . 13a.2.2

RESULT: The document was **REVISED to 0573.**

? REVISED ?

N3-030573   **CR 29.061: Alignment of 29.061 with 29.207, Nortel Networks**

RESULT: The document was **AGREED.**

N3-030490   **OMA Policy Work, Nortel Networks**

RESULT: The document was **WITHDRAWN.**

N3-030524   **CR 27.060: Correcting concept description from media level to IP level, Ericsson**

RESULT: The document was **REVISED before presentation to 0600.**

? REVISED ?

N3-030600   **CR 27.060: Correcting concept description from media level to IP level, Ericsson**

DISCUSSION: Corrections to cover page - (remove references to tdoc numbers for CRs).

RESULT: The document was **REVISED to 0619.**

? REVISED ?

N3-030619   **CR 27.060: Correcting concept description from media level to IP level, Ericsson**

RESULT: The document was **AGREED.**

N3-030530   **CR 27.060: Correcting that SBLP is needed for applying functions, Ericsson**

CONTENT: The CR corrects the text to be align and consistent with the description in TS 29.207 and TS 29.208 that IMS has to apply SBLP in order for certain functions to apply.

DISCUSSION: Several companies has concerns with the CR, and did not see it as an essential correction. Nokia considered the 1st change harmless but not really essential. Nokia and Siemens could not support the introduction of SBLP.

Finally the change to 13.9 was rejected and the change to 13.7 agreed. It was requested to improve the wording and to provide stronger reasoning in the reasons for change and consequences boxes.

RESULT: The document was **REVISED to 0574.**

? REVISED ?

N3-030574   **CR 27.060: Correcting that SBLP is needed for applying functions, Ericsson**

RESULT: The document was **AGREED.**

9.1.2 29.207

N3-030522   **CR 29.207: Correcting concept description from media level to IP level, Ericsson**

CONTENT: The CR 1 provides a correction of the definition of the term 'media component'. Adds the definition of the term 'IP flow', and changes the term 'media component' to 'IP flows of a media component' in a number of places for a correct description.

DISCUSSION: Siemens suggested restricting port to the transport protocols that should use them.

Nokia commented on the definitions of the media component.

There was a great deal of 'tweaking' of the terminology suggested in the CR. There we several companied interested in making changes to the CR and was agreed to have a drafting session on the changes.

RESULT: The document was **REVISED to 0575.**

? REVISED ?

N3-030575   **CR 29.207: Correcting concept description from media level to IP level, Ericsson**

DISCUSSION: Corrections to cover page - (remove references to tdocs).

RESULT: The document was **REVISED to 0620.**

? REVISED ?

N3-030620   **CR 29.207: Correcting concept description from media level to IP level, Ericsson**

RESULT: The document was **AGREED.**

N3-030525   **CR 29.207: Correcting definition of flow id, Ericsson**

CONTENT: Corrects the description of the SBLP concept, as it is considered difficult to understand or even incorrect which might cause erroneous implementations.

DISCUSSION: Several comments made to the wording of the CR, refined between interested parties offline. Also formatting improvements.

RESULT: The document was **REVISED to 0577.**

? REVISED ?

N3-030577   **CR 29.207: Correcting definition of flow id, Ericsson**

RESULT: The document was **AGREED.**

N3-030526   **CR 29.207: Definition of binding information, Ericsson**

CONTENT: The CR corrects the definition of authorization token and adding the definition of binding information.

DISCUSSION: Nortel could not agree with the definition of authorization token.

Suggested to change "media stream" to "IP flows", and reword the suggested change to the definition of authorization token (as part of the binding information). Agreed to add ref to RFC 3520.

Rewording of the definition of the binding information.

RESULT: The document was **REVISED to 0578.**

? REVISED ?

N3-030578   **CR 29.207: Definition of binding information, Ericsson**

RESULT: The document was **AGREED.**

N3-030529   **CR 29.207: Corrections regarding RTP/RTCP bandwidth, Ericsson**

CONTENT: Provides clarifications to the description of the SBLP concept which is considered difficult to understand or even incorrect which might cause erroneous implementations

DISCUSSION: Add a reference to 29.208. Also a rewording of the change was suggested for additional clarification.

RESULT: The document was **REVISED to 0579.**

? REVISED ?

N3-030579   **CR 29.207: Corrections regarding RTP/RTCP bandwidth, Ericsson**

RESULT: The document was **AGREED.**

N3-030534   **CR 29.207: Closing the gate at HOLD, Nokia**

CONTENT: Adds the missing Gate control for the "media on hold" case

DISCUSSION: Ericsson questioned the decision to make then use of the open gate command 'mandatory' the term "may" is preferred to "shall". Once again, minor wording changes were proposed to the change.

RESULT: The document was **REVISED to 0580.**

? REVISED ?

N3-030580   **CR 29.207: Closing the gate at HOLD, Nokia**

RESULT: The document was **AGREED.**

N3-030536   **CR 29.207: Response to remove decision, Nokia**

CONTENT: Adds the Report (RPT) message as a response to the Remove_decision (DEC) message and corrects the Message descriptions.

DISCUSSION: Nortel suggested a modification to the text.

RESULT: The document was **REVISED to 0582.**

? REVISED ?

N3-030582   **CR 29.207: Response to remove decision, Nokia**

DISCUSSION: comments to the usage of the term authorization report.

RESULT: The document was **REVISED to 0621.**

? REVISED ?

N3-030621   **CR 29.207: Response to remove decision, Nokia**

RESULT: The document was **AGREED.**

9.1.3   29.208

N3-030491   **CR 29.208: Clarification on the use of the inactive attribute at the beginning of the call, Nortel Networks, Ericsson**

CONTENT: The CR provides the clarification that media may be placed on hold both during session establishment and at a later stage, and also Corrections to the specification to reflect how media are placed on hold according to RFC 3264.

DISCUSSION: This CR overlaps with a Siemens CR [0558]. Siemens also had a comment with the ordering of opening and closing the gates.

RESULT: The document was **REVISED into 0584**

? REVISED ?

N3-030584   **CR 29.208: Clarification on the use of the inactive attribute at the beginning of the call, Nortel Networks, Ericsson**

DISCUSSION: Siemens suggested some revised wording.

RESULT: The document was **REVISED into 0655**

? REVISED ?

N3-030655   **CR 29.208: Clarification on the use of the inactive attribute at the beginning of the call, Nortel Networks, Ericsson, Siemens**

RESULT: The document was **AGREED**

N3-030558   **CR 29.208: Handling of SIP 200 OK with inactive media, Siemens**

DISCUSSION: This CR overlaps with another CR [0491].

RESULT: The document was **REVISED before presentation into 0615**

? REVISED ?

N3-030615   **CR 29.208: Handling of SIP 200 OK with inactive media, Siemens**

DISCUSSION: Action item on Thomas to initiate email discussion on this subject to provide a more detailed description that covers all of the related cases.

RESULT: The document was **REVISED to 0629**

? REVISED ?

N3-030629   **CR 29.208: Handling of SIP 200 OK with inactive media, Siemens**

DISCUSSION: There were some concerns with the wording - proposed to put on email approval. Also brackets should not be used in body text - should be added as a Note.

RESULT: The document was **REVISED to 0641**

? REVISED ?

N3-030641   **CR 29.208: Handling of SIP 200 OK with inactive media, Siemens**

DISCUSSION: Placed on email approval - comments made to CR and CR revised,

RESULT: The document was **REVISED to 0664**

? REVISED ?

N3-030664   **CR 29.208: Handling of SIP 200 OK with inactive media, Siemens**

RESULT: The document was **AGREED**

N3-030506   **CR 29.208: Precision on event that triggers the Approval of QoS Commit, Orange**

DISCUSSION: Covered by 0558

RESULT: The document was **WITHDRAWN.**

N3-030507   **CR 29.208: Handling of media stream removal by the PDF, Orange**

CONTENT: The "Removal of QoS commit at media stream remove" is limited and the "Revoke authorization for GPRS and IP resources" is extended.

DISCUSSION: Several companied had concerns about the CR, Not an essential change.

RESULT: The document was **REJECTED.**

N3-030523   **CR 29.208: Correcting concept description from media level to IP level, Ericsson**

CONTENT: Provides clarifications to the description of the SBLP concept.

RESULT: The document was **REVISED to 0576 (before presentation).**

? REVISED ?

N3-030576   CR 29.208: Correcting concept description from media level to IP level, Ericsson

DISCUSSION: Some editorial to the wording and the coverpage.

RESULT: The document was **REVISED to 0623**

? REVISED ?

N3-030623   CR 29.208: Correcting concept description from media level to IP level, Ericsson

RESULT: The document was **AGREED.**

N3-030527   CR 29.208: Correcting the calculation of RTCP bandwidth, Ericsson

CONTENT: The rules in the tables 7.1.1.1 and 7.2.2.1 are updated to comprise the Maximum Authorized Data Rates/Bandwidths per flow identifier according to the IETF RFC 3556.

RESULT: The document was **REVISED to 0585.**

? REVISED ?

N3-030585   CR 29.208: Correcting the calculation of RTCP bandwidth, Ericsson

CONTENT: Siemens and Nokia agreed with the rules. Some editorial problems were highlighted.

RESULT: The document was **REVISED to 0624.**

? REVISED ?

N3-030624   CR 29.208: Correcting the calculation of RTCP bandwidth, Ericsson

CONTENT: Error in table

RESULT: The document was **REVISED to 0635.**

? REVISED ?

N3-030635   CR 29.208: Correcting the calculation of RTCP bandwidth, Ericsson

RESULT: The document was **AGREED.**

N3-030528   CR 29.208: Examples of deriving the Maximum Authorized parameters from the SDP parameters, Ericsson

CONTENT: Adds an informative Annex which gives examples of how to derive the Maximum Authorized QoS parameters from the SDP parameters.

DISCUSSION: Flow identifiers should start with 1,x (not 2,1 and 2,2). Also table should be numbered correctly and given a title.

RESULT: The document was **REVISED to 0587.**

? REVISED ?

N3-030587   CR 29.208: Examples of deriving the Maximum Authorized parameters from the SDP parameters, Ericsson

DISCUSSION: Still errors in tables

RESULT: The document was **REVISED to 0628.**

? REVISED ?

N3-030628   CR 29.208: Examples of deriving the Maximum Authorized parameters from the SDP parameters, Ericsson

RESULT: The document was **AGREED.**

N3-030531   **CR 29.208: Correction of clarification and a typo, Ericsson**

CONTENT: Corrects the description of the SBLP concept is difficult to understand or even incorrect which might cause erroneous implementations.

DISCUSSION: Change also needs to be applied to subclause 5.2. Also coverpage change - remove ME checked box. Summary of change and consequences need to reflect the fact that the CR is considered essential.

RESULT: The document was **REVISED to 0588.**

? REVISED ?

N3-030588   **CR 29.208: Correction of clarification and a typo, Ericsson**

RESULT: The document was **WITHDRAWN.**

N3-030535   **CR 29.208: Closing the gate at HOLD, Nokia**

CONTENT: Adds the missing Gate control for the "media on hold" case.

DISCUSSION: This CR overlaps with other CRs - needs to be merged or separated.

    The text was clarified and the overlapping to other (Ericsson) CRs was removed.

RESULT: The document was **REVISED to 0581.**

? REVISED ?

N3-030581   **CR 29.208: Closing the gate at HOLD, Nokia**

RESULT: The document was **AGREED.**

N3-030537   **CR 29.208: Response to remove decision, Nokia**

CONTENT: Adds the Report (RPT) message as a response to the Remove_decision (DEC) message.

!! NOTE to MCC - OVERLAPS WITH CR IN 0546 - need to ensure the two changes are implemented correctly !!

RESULT: The document was **AGREED.**

N3-030546   **CR 29.208: Handling of SIP CANCEL Request, Siemens**

DISCUSSION: Change to text in Summary of change.

RESULT: The document was **REVISED to 0583.**

? REVISED ?

N3-030583   **CR 29.208: Handling of SIP CANCEL Request, Siemens**

DISCUSSION:

!! NOTE to MCC - OVERLAPS WITH CR IN 0537 - need to ensure the two changes are implemented correctly !!

RESULT: The document was **AGREED.**

N3-030547   **Discussion: Considerations on QoS Mapping Tables, Siemens**

CONTENT: This contribution discusses how to incorporate the SDP b:RS and b:SS bandwidth modifiers, as defined in RFC 3556, into the QoS Mapping Tables of TS 29.208. CN1, CN3 and CN4 have agreed that these bandwidth modifiers shall be used in Rel.5.

    Corresponding CR implementing Proposal 2 is contained in TDOC N3-030548.

Before two proposals for QoS Mapping Tables are suggested, some underlying ideas are presented

DISCUSSION: It was agreed to keep the rules as simple as possible. The rules as defined by Ericsson are missing one case. It was agreed to include the missing case to avoid the system allocating the incorrect bandwidth.

Ericsson propose to adapt the rules in the flow identifiers (in 0585)

RESULT: The document was **NOTED.**

N3-030548 **CR 29.208: Update of QoS Mapping Tables, Siemens**

DISCUSSION: Modified to include the flow id option from the discussion document in 0547.

RESULT: The document was **REVISED to 0586.**

? REVISED ?

N3-030586 **CR 29.208: Update of QoS Mapping Tables, Siemens**

DISCUSSION: Covered by 0585

RESULT: The document was **WITHDRAWN.**

9.2 Service change and UDI fall back [SCUDIF]

<Joint session with CN2 and CN4 on Wed 27th @ 16:00>.

N3-030478 **[N4-030757] LS on CAMEL interactions with SCUDIF TSG SA WG1**

CONTENT: It is required that CAMEL subscribers can originate and receive SCUDIF calls and still use their CAMEL services as usual. The detailed interworking between SCUDIF and CAMEL, however, is felt to be beyond the scope and knowledge of SA1, and SA1 therefore leaves the standardisation of this to CN2 and CN4. CN2 and CN4 are asked to standardise this interworking within Rel-5.

It should be noted that this is not a new requirement because, as a result of a detailed study of the relevant Stage 1 specifications, it has been determined by SA1 that CAMEL support with SCUDIF is already clearly specified within Rel-5.

SA1 kindly request CN2 and CN4 group to standardise, in Rel-5, CAMEL interactions with SCUDIF such that CAMEL subscribers can originate and receive SCUDIF calls and still use their CAMEL services as usual.

SA1 kindly request CN2 and CN4 to provide feedback regarding the progress of the work for Rel-5.

RESULT: The document was **NOTED.**

N3-030501 **CR 23.172: HSS interrogation for SCUDIF calls, NTT DoCoMo**

RESULT: The document was **WITHDRAWN.**

N3-030502 **CR 23.172: Supplementary service interaction with SCUDIF calls, NTT DoCoMo**

CONTENT: A new section is added to describe the interaction with supplementary services, which are on basic service group basis.

RESULT: The document was **REVISED to 0601 before presentation.**

? REVISED ?

N3-030601 **CR 23.172: Supplementary service interaction with SCUDIF calls, NTT DoCoMo**

DISCUSSION: Was questioned if we should ask SA1 how the system behaves during call set-up. Ericsson and NTT DoCoMo had slightly different interpretations. Ericsson provided some modified text to the author.

Agreed to extract the codec negotiation from the modified text.

Need to check the abbreviations used are detailed in the TS 21.905. If not they should be added to section 3.2 of 23.172.

Ian Park proposed some minor improvement to the wording (be proceeded >> continue / In case of >> for / In case >> if).

Also SS call deflection is missing, needs to be added to the list.

RESULT: The document was **REVISED to 0625**

? REVISED ?

N3-030625   **CR 23.172: Supplementary service interaction with SCUDIF calls, NTT DoCoMo**

DISCUSSION: Minor editorial comments to clarify the text.

Also - remove the changes on changes and on coversheet.

RESULT: The document was **REVISED to 0644**

? REVISED ?

N3-030644   **CR 23.172: Supplementary service interaction with SCUDIF calls, NTT DoCoMo**

RESULT: The document was **AGREED.**

N3-030508   **CR 23.172: Repeat subscription checking in MO SCUDIF call, NTT DoCoMo**

RESULT: The document was **REVISED to 0602.**

? REVISED ?

N3-030602   **CR 23.172: Repeat subscription checking in MO SCUDIF call, NTT DoCoMo**

DISCUSSION: Adds a SDL diagram in which MSC handles 2nd SIFOC in case when Repeat Indicator indicates a SCUDIF call.

Vodafone had some concerns with the new SDL and offered to assist NTT DoCoMo in correcting the SDL.

Also figure renumbering is incorrect - should insert a new figure 4.4a (see rules in TR 21.801).

RESULT: The document was **REVISED to 0626.**

? REVISED ?

N3-030626   **CR 23.172: Repeat subscription checking in MO SCUDIF call, NTT DoCoMo**

DISCUSSION: Correct title of 23.018 is " Basic call handling; Technical realization " Minor editorial comments to clarify the text.

More importantly the handling in the VLR and the MCS for SCUDIF is missing.

TS 22.001 contains a section on subscription checking and SCUDIF also needs to be added.

Also the non modified text should be removed from the CR as it is confusing).

RESULT: The document was **REVISED to 0645.**

? REVISED ?

N3-030645   **CR 23.172: Repeat subscription checking in MO SCUDIF call, NTT DoCoMo**

DISCUSSION: Bearer capability should be bearer capability "1".

Remove change marks from coverpage. Remove the large blocks of non modified text from the CR. Complete the correct title for TS23.018.

The subscription checking for mobile terminated case is missing from this CR. This MT case will be provided by Ericsson.

RESULT: The document was **REVISED to 0662.**

? REVISED ?

N3-030662   **CR 23.172: Repeat subscription checking in MO SCUDIF call, NTT DoCoMo**

DISCUSSION: The MT case is covered on the Ericsson CR [0614] on HLR interrogation that has been placed on email.

RESULT: The document was **AGREED.**

N3-030509   **Discussion: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.**

CONTENT: The document proposes refinements to the original One-Step solution to allow the "one-step interrogation" to be both efficient signalling-wise, and still leave the call control logic in the GMSC. It will still allow a backward compatibility mechanism for non-compliant HLRs. Thus, it is acceptable to both Ericsson and NTT DoCoMo.

RESULT: The document was **REVISED (before presentation) to 0589.**

? REVISED ?

N3-030589   **[N4-031021] Discussion: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.**

DISCUSSION: This document was handled in joint session with CN2 and CN4:

Agreed to adopt the one step HLR interrogation.

Vodafone believe the service logic should be kept in the HLR. However it was stressed that Ericsson does not propose any new service logic for SCUDIF.

RESULT: The document was **NOTED.**

N3-030510   **CR 23.172: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.**

CONTENT: The Send Routing Information procedure is updated to allow the subscription check of both services, and the procedures for both the HLR and GMSC are specified..

RESULT: The document was **REVISED (before presentation) to 0590.**

? REVISED ?

N3-030590   **[N4-031022]CR 23.172: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.**

DISCUSSION: This document was handled in joint session with CN2 and CN4:

Note 23.172 Missing a reference to the basic call handling stage 2. Also the new section is duplicating the same text from the afore mentioned Stage 2.

It is considered that this is better described in 23.018.

Some changes were made to the proposed text for increased clarity, including the classic 'in case' quote.

The principle of the CR is accepted with some changes. It is agreed text that relates to basic call handling will change to a SDL diagrams and be incorporated into 23.018. However some text will still be changed in 23.172 and this will be contained in the revised CN3 tdoc.

The 23.018 CR will be contained in N4-031025.

TheCN3 and CN4 CRs will be approved by email.

RESULT: The document was **REVISED to 0614.**

? REVISED ?

N3-030614   **[N4-031022]CR 23.172: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.**

DISCUSSION: Placed on email approval - clarification provided to some questions

RESULT: The document was **AGREED.**

N3-030511   **Information: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.**

DISCUSSION: Only for information.

RESULT: The document was **REVISED (before presentation) to 0591.**

? REVISED ?

N3-030591 Information: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.

RESULT: The document was **NOTED.**

N3-030512 Information: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.

RESULT: The document was **REVISED (before presentation) to 0592.**

? REVISED ?

N3-030592 Information: SCUDIF HLR Interrogation, Ericsson and NTT DoCoMo.

RESULT: The document was **NOTED.**

N3-030513 **[N4-030904] Discussion: CAMEL Interactions For SCUDIF In Release 5, Ericsson**

CONTENT: **This document was handled in joint session with CN2 and CN4:**

The goal of the document is to start a discussion by proposing a set of requirements that fulfils the following constraints:

· requirements stated by SA1 ("it is required that CAMEL subscribers can originate and receive SCUDIF calls and still use their CAMEL services as usual") need to be met ;

· design impacts on CAMEL and CAP should be minimised in order to have an approved solution for Release 5 within a reasonable timeframe.

DISCUSSION: CAMEL is applicable to all calls except Emergency calls. If this is not the case for SCUDIF then the stage 1 will need to be updated.

Ericsson are asking CN2 if their proposal is viable and if CN2 have comments on the proposal.

Agreed that the step A) and B) should be for CN2 specifications Rel-5 only

Step C) may be introduced into Rel-6. but the decision is left open for the time being.

RESULT: The document was **NOTED.**

N3-030514 **Information: SCUDIF Impacts to Basic Call, Ericsson**

RESULT: The document was **WITHDRAWN.**

N3-030549 **CR 23.172: Callflows for Service change during the active state, Siemens**

CONTENT: Adds callflow diagrams, as well as reference to 26.102 –SDU format for MuMe.

DISCUSSION: Ericsson proposed some minor editorial modifications to the figures.

RESULT: The document was **REVISED to 0627.**

? REVISED ?

N3-030627 **CR 23.172: Callflows for Service change during the active state, Siemens**

RESULT: The document was **AGREED.**

9.3 Technical Enhancements & Improvements [TEI]

N3-030488 **CR 29.061: Disconnect Request for Multiple PDP Sessions belonging to a single User, Nortel Networks**

CONTENT: This change allows a single Disconnect Request message to indicate that all active PDP sessions belonging to the same user should be disconnected.

DISCUSSION: Use of "may" instead of "will" in Note 4.

RESULT: The document was **REVISED to 0593.**

? REVISED ?

N3-030593 **CR 29.061: Disconnect Request for Multiple PDP Sessions belonging to a single User, Nortel Networks**

DISCUSSION: Siemens had some concerns with the proposal. The MSISDN is not necessary as the session is ambiguously determined by the IP address. Furthermore each context (primary and secondary) is unambiguously determined by it's accounting session ID. This could be used to identify the session.

Remains the problem of cancelling all (primary and secondary) contexts with only one message: Siemens recommend a new 3G vendor specific attribute in form of a 'tear down indicator' as it already exist in GTP.

The situation needs to be clarified.

Nortel agreed that the MSISDN is not necessary. More investigations required.

Nortel DON'T agree that the session is uniquely identified by the IP address as stated by Siemens. MSISDN on the contrary is an unique identifier. Alcatel also made the same point to Siemens remark. (e.g. In VPNs the IP addresses can be re-used). Nortel is happy to wait to see Siemens proposal and try to reach an agreement

Siemens to provide an alternative proposal [0642].

On email approval : There is support for the concept provided in N3-030642. However, the concrete wording is not yet finished. I propose to postpone this topic to the next CN3 meeting. This was also expressed by some companies at the end of the discussion phase.

RESULT: The document was placed on **POSTPONED to CN3#20**

N3-030642 **CR 29.061: Disconnect Request for Multiple PDP Sessions belonging to a single User, Siemens.**

DISCUSSION: On email approval: There is support for the concept provided in N3-030642. However, the concrete wording is not yet finished. I propose to postpone this topic to the next CN3 meeting. This was also expressed by some companies at the end of the discussion phase.

RESULT: The document was **POSTPONED to CN3#20**

N3-030521 **CR 24.022: Usage of RLP versions, Ericsson**

CONTENT: Removes the restriction for UTRAN Iu mode terminals to only use an RLP version 0 or 1 when WAIUR is equal or less than 14.4

DISCUSSION: Ericsson wish to avoid interworking problems with legacy networks. Siemens and Nortel have provided comments and improvement to this CR.

There were concerns relating to the issues of backwards compatibility and handover between different networks. In GSM the RLP version should not be higher than '1'.

This CR requests limiting to RLP version '0' or '1' just during the call set-up.

It was agreed to also allow the MSC to request the RLP version.

The CR was modified to incorporate the Nortel proposals, and to clarify the reason for change in the cover sheet.

RESULT: The document was **REVISED to 0598.**

? REVISED ?

N3-030598   **CR 24.022: Usage of RLP versions, Ericsson**

DISCUSSION: Proposed to place this document on email approval. Nortel needs more time for checking.

                  Some discussion lead to a revision, agreed to place to email.

RESULT: The document was **REVISED to 0653.**

? REVISED ?

N3-030653   **CR 24.022: Usage of RLP versions, Ericsson**

DISCUSSION: Proposed to place this document on email approval.

                  The comments raised up have been clarified. A new version is not necessary since changes are not required

RESULT: The document was placed on **AGREED**

10 Release 6

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

N3-030550   **CR 29.962: Editorial Corrections, Siemens**

CONTENT: Removes editorial errors.

DISCUSSION: Media changed to media flows.

RESULT: The document was **REVISED to 0594**

? REVISED ?

N3-030594   **CR 29.962: Editorial Corrections, Siemens**

RESULT: The document was **AGREED**

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

N3-030492   **CR 29.163: Definition of "root" termination, Nortel Networks**

CONTENT: Describes the term 'root termination' and adds a reference.

DISCUSSION: Ericsson proposed another definition of the same term.

RESULT: The document was **REVISED to 0595.**

? REVISED ?

N3-030595   **CR 29.163: Definition of "root" termination, Nortel Networks**

RESULT: The document was **AGREED.**

N3-030493   **CR 29.163: General Corrections to 29.163, Nortel Networks**

CONTENT: Corrects terminology and editorial mistakes. Unused references

DISCUSSION: Siemens had some comments to the reference modifications.

Hidden text needs to be removed and the notes need to be modified.

RESULT: The document was **REVISED to 0597.**

? REVISED ?

N3-030597   **CR 29.163: General Corrections to 29.163, Nortel Networks**

RESULT: The document was **AGREED**

N3-030494   **CR 29.163: Autonomous Release at I-MGCF on T7 expiry, Nortel Networks.**

CONTENT: The SIP response to a T7 expiry condition is set to 484 Address Incomplete, aligning the specification with ITU.

DISCUSSION: Ericsson believe the change to 484 is incorrect (and have proposed a related change to the ITU-T).

No agreement could be reached on how to replace FFS in the meeting, the issue is postponed to the next meeting.

RESULT: The document was **POSTPONED.**

N3-030495   **Discussion: Summary of misalignments items between 29.163 and Q.1912.SIP, Nortel Networks.**

CONTENT: The document provides a summary of misalignments items between 29.163 and Q.1912.SIP.

TS 29.163 v1.5.1 is mainly aligned with ITU-T Q.1912 document. It is proposed to discuss the list together with the rational for deviation between 3GPP and ITU-T documented, and agree it with the necessary modifications. This list will kept alive until TS 29.163 becomes stable enough as to include it in form of an Annex.

DISCUSSION: It was mentioned that it is highly difficult to identify the technical text within Q.1912 is applicable to 3GPP. The proposed list should describe technical details and not include wording misalignments.

It was agreed that the list was very useful and will be updated and maintained.

CN3 will continue to define the interworking, whilst keeping aligned with the ITU documentation as much as possible.

RESULT: The document was **NOTED.**

N3-030496   **CR 29.163: Correction of table 17 Nortel Networks**

CONTENT: Removal of entries 490 and 491 of table 17 as agreed in last meeting. Correct the mapping of cause 480 to the same value as in Q.1912.

DISCUSSION: Ericsson will check if code 20 is in line with ITU.

RESULT: The document was **AGREED.**

N3-030497   **CR 29.163: Correction to 7.2.3.2.2.2, Nortel Networks**

CONTENT: Corrects description of scenarios when preconditions are and are not met.

DISCUSSION: Siemens and Ericsson had some concerns with the changes, and Siemens felt the 1st change was not really necessary.

Updates were drafted in an offline session.

RESULT: The document was **REVISED to 0599.**

? REVISED ?

N3-030599   **CR 29.163: Correction to 7.2.3.2.2.2, Nortel Networks**

RESULT: The document was **AGREED.**

N3-030503   **Discussion: Improvements to 29.163, Nortel Networks**

CONTENT: Provides comments and suggests improvements on TS 29.163v170. The comments are the product of a detailed review of TS 29.163 and the most recently available version of ITU-T Q.1912.SIP (EDI-008).

DISCUSSION: Ericsson and Siemens had several comments and suggested improvements to the changes proposed in the discussion document.

CR attached separated out into a new tdoc [0596] (to include the comments from the presentation of the discussion document).

RESULT: The document was **NOTED.**

N3-030596   **CR 29.163: Improvements to 29.163, Nortel Networks**

CONTENT: Completes Table 18 for the Ti/w2. Also includes the proposal of Tdoc 0503 that could be agreed.

DISCUSSION: Ericsson suggested some modifications to the table.

RESULT: The document was **REVISED to 0630.**

? REVISED ?

N3-030630   **CR 29.163: Improvements to 29.163, Nortel Networks**

RESULT: The document was **AGREED.**

N3-030504   **CR 29.163: Corrections to 7.2.3.2, Nortel Networks**

CONTENT: Describes in greater clarity the description of the interworking n clause 7.2.3.2.

DISCUSSION: Text referring to BICC should be moved to BICC section.

Once again, Ericsson and Siemens had concerns with certain parts of the change.

RESULT: The document was **REVISED to 0603.**

? REVISED ?

N3-030603   **CR 29.163: Corrections to 7.2.3.2, Nortel Networks**

RESULT: The document was **REVISED to 0636.**

? REVISED ?

N3-030636   **CR 29.163: Corrections to 7.2.3.2, Nortel Networks**

DISCUSSION: Figure 14 number incorrect. Also a new clause with the mapping of CANCEL was added.- Rapporteur will handle both.

RESULT: The document was **AGREED**

N3-030505   **CR 29.163: Adding of supplementary service COLP/COLR, Nortel Networks**

CONTENT: Adds the supplementary service COLP/COLR interworking following the agreed text in SG11.

RESULT: The document was **REVISED before presentation to 0564.**

? REVISED ?

N3-030564   **CR 29.163: Adding of supplementary service COLP/COLR, Nortel Networks**

DISCUSSION: Incorporates the changes proposed by Siemens.

Ericsson wish to add a note to 7.4.2.1.1 stating the "service will be invoked for all outgoing calls".

RESULT: The document was **REVISED to 0604.**

? REVISED ?

N3-030604   **CR 29.163: Adding of supplementary service COLP/COLR, Nortel Networks**

RESULT: The document was **AGREED.**

N3-030515   **CR 29.163: Sub-clause not applicable for IMS- CS interworking, Ericsson**

CONTENT: Removes a sub-clause that is not applicable for IMS-CS interworking.

RESULT: The document was **AGREED**

N3-030516   **CR 29.163: Procedures for IMS side call set-up, Ericsson**

CONTENT: Three new procedures have been added to match the description of subclauses 9.1 and 9.2 regarding IMS side call set-up

DISCUSSION: Nortel had concerns with the wording of the two procedures. Also some overlap with Siemens document in 0552.

RESULT: The document was **REVISED to 0605.**

? REVISED ?

N3-030605   **CR 29.163: Procedures for IMS side call set-up, Ericsson**

RESULT: The document was **REVISED to 0631.**

N3-030631   **CR 29.163: Procedures for IMS side call set-up, Ericsson**

RESULT: The document was **AGREED.**

N3-030517   **CR 29.163: Interworking of supplementary services, Ericsson**

CONTENT: Provides a more detailed description to ease the interoperability with the CS network and specify call handling in the MGCF.

DISCUSSION: Minor correction to ITU-T references, and some editorial changes required.

RESULT: The document was **REVISED to 0606.**

N3-030606   **CR 29.163: Interworking of supplementary services, Ericsson**

RESULT: The document was **REVISED to 0632.**

N3-030632   **CR 29.163: Interworking of supplementary services, Ericsson**

DISCUSSION: Minor editorial comments, and clarification on the reference to ITU-T to indicate it is relevant to the ISUP BICC side.

RESULT: The document was **REVISED to 0654.**

N3-030654   **CR 29.163: Interworking of supplementary services, Ericsson**

RESULT: The document was **AGREED.**

N3-030518   **CR 29.163: Coding of IAM, Ericsson**

RESULT: The document was **WITHDRAWN.**

N3-030538   **CR 29.163: Handling of SIP redirect (3xx) messages at O-MGCF, Nokia**

CONTENT: Adds a figure and description for the receipt of 3xx redirecting response

DISCUSSION: Addition of interworking unspecified code as well as some editorials.

Also addition of a Note to describe the default behaviour.

RESULT: The document was **REVISED to 0607.**

N3-030607   **CR 29.163: Handling of SIP redirect (3xx) messages at O-MGCF, Nokia**

RESULT: The document was **AGREED.**

N3-030539   **CR 29.163: IMS CS session hold and release, Nokia**

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

DISCUSSION: Ericsson had concerns that this is not aligned with SA2 decision.

Siemens suggested adding some more text to the 1st modified subclause.

Contributions are expected to SA2 to add the corresponding requirements. Individual companies are requested to provide such contributions. An LS out to SA2 is contained in 0609.

RESULT: The document was **REVISED to 0608.**

N3-030608 **CR 29.163: IMS CS session hold and release, Nokia**

RESULT: The document was **AGREED.**

N3-030609 **LS to SA" on IMS CS session hold and release, CN3**

RESULT: The document was **REVISED to 0633.**

? REVISED ?

N3-030633 **LS to SA" on IMS CS session hold and release, CN3**

DISCUSSION: Some editorial improvements we provided to the text

RESULT: The document was **REVISED to 0643.**

? REVISED ?

N3-030643 **LS to SA2 on IMS CS session hold and release, CN3**

DISCUSSION: Some editorial improvements we provided to the text

RESULT: The document was **REVISED to 0659.**

? REVISED ?

N3-030659 **LS to SA2 on IMS CS session hold and release, CN3**

RESULT: The document was **APPROVED.**

N3-030551 **CR 29.163: Minor Corrections on Section 7.2, Siemens**

CONTENT: Provides minor updates to the specification.

DISCUSSION: Text on 7.4.3 conflicts with an Ericsson CR. Will be removed from the Siemens CR and merged into Ericsson CR.

RESULT: The document was **REVISED to 0610.**

? REVISED ?

N3-030610 **CR 29.163: Minor Corrections on Section 7.2, Siemens**

DISCUSSION: Duplicated text needs to be removed.

RESULT: The document was **REVISED to 0661.**

? REVISED ?

N3-030661 **CR 29.163: Minor Corrections on Section 7.2, Siemens**

RESULT: The document was **AGREED.**

N3-030663 **CR 29.163v180, Vodafone.**

CONTENT: Contains the latest version of 29.163 containing all the CRs agreed at N3#29 meeting.

             Also contains a completed coversheet for presentation to CN#20 meeting.

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

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

N3-030552 **CR 29.163: Corrections on Section 9.2.2IMS originated Session Siemens**

CONTENT: Provides clarification and correction to text.

DISCUSSION: Ericsson had some terminology improvements to the CR.

RESULT: The document was **REVISED to 0611.**

? REVISED ?

N3-030611   **CR 29.163: Corrections on Section 9.2.2IMS originated Session, Siemens**

RESULT: The document was **AGREED.**

N3-030553   **CR 29.163: Corrections on Section 9.2.3IMS terminated Session, Siemens**

CONTENT: Provides clarification and correction to text.

DISCUSSION: Need for some editorial improvements.

RESULT: The document was **REVISED to 0612.**

? REVISED ?

N3-030612   **CR 29.163: Corrections on Section 9.2.3IMS terminated Session Siemens**

RESULT: The document was **REVISED to 0634.**

? REVISED ?

N3-030634   **CR 29.163: Corrections on Section 9.2.3IMS terminated Session, Siemens**

RESULT: The document was **AGREED.**

N3-030554   **CR 29.163: Corrections on Section 9.2.4-7 Session Release, Siemens**

CONTENT: Layout of Figures Aligned with other Figures in Section: Mn Procedures Names at the edgeOrder of Callflows for ISUP modified: Mn Procedures after reception of "RLC"

DISCUSSION: The author of the CR wished to modify one change.

RESULT: The document was **REVISED to 0613.**

? REVISED ?

N3-030613   **CR 29.163: Corrections on Section 9.2.4-7 Session Release, Siemens**

RESULT: The document was **AGREED.**

N3-030555   **CR 29.163: Corrections on Section 9.2.8 Handling of RTP telephony events, Siemens**

CONTENT: Procedure names Updated in Text and Figure.

RESULT: The document was **AGREED.**

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

N3-030540   **Information: Status of stage 2 / SA2 on PDF evolution, Nokia, Nortel Networks, Siemens, Ericsson.**

CONTENT: Updates the description of functionalities and procedures in order to reflect the new functions of generalized service based policy control.

DISCUSSION: Stage 2 CR presented to CN3 for information.

SA2 also have a TR that they have used to develop this issue. However, all of the important relevant information has been incorporated into the TS.

RESULT: The document was **NOTED.**

N3-030541   **Discussion: Protocol Selection for Gq Interface, Nokia**

CONTENT: This document compares the two most relevant protocol candidates for the Gq interface, and proposes which protocol should be used, taking into account the

requirements specific for the Gq interface. The proposal also contains examples of the Gq message definitions and usage based on the selected protocol.

The proposal is that the Diameter to be selected for the Gq interface.

DISCUSSION: Nortel, Siemens XML is preferable but DIAMETER and COPS are also applicable.

Siemens also see that Diameter is already implemented in some application servers.

Nortel informed that there exists an extension to COPS that may also be applicable to the Gq interface.

Ericsson agree with Nokia's to use the DIAMETER protocol. Although this requires an additional protocol in the PDF, Ericsson (and Siemens) see a future for the use of Diameter.

Lucent also supports the use of DIAMETER, and stated the relation to charging issues in SA5 (Gx and Rx).

Nortel requested postponing the decision of the protocol in the stage 3 until the next WG meeting. Nortel are not against the use of DIAMETER but request more time to determined the best solution.

CN3 agreed the working assumption that DIAMETER will be used. This working assumption will be reviewed at the next WG meeting.

Discussions on this subject will be held on the CN3 email exploder until the next meeting.

RESULT: The document was **NOTED.**

N3-030542   **TS: Policy control over Gq interface, Nokia**

CONTENT: Proposed a new draft TS for the Gq interface.

DISCUSSION: Reference should be to TS 23.207 and not the redundant TR 23.917.

Assumes the use of commands from nasreq reference [7], but there may be some alternative commands. Ericsson will check this.

Some minor editorial and wording tweaks were made to the text.

Siemens asked if the structure by function element and then procedures (section 5) is the best one for the Gq interface. It was agreed that a re-structuring can be considered but the proposal need to be discussed by all interested parties.

It was mentioned that the stage 2 includes an editors note mentioning that the work is still under investigation and may indeed change. Ericsson suggested reflecting this in our TS (with and editors note).

The designated number for the stage 3 number is **TS 29.209**. The rapporteur for the TS is Anna.Sillanpaa@nokia.com.

RESULT: The document was **REVISED to 0618.**

? REVISED ?

N3-030618   **TS 29.209: Policy control over Gq interface, Nokia**

DISCUSSION: Move editor's note to forward or scope. Also include in that note the working assumption of use of DIAMETER.

Addition of an Editors note to explain "Gq specific application id" needs to be allocated.

Also some minor editorials.

RESULT: The document was **REVISED to 0660.**

? REVISED ?

N3-030660   **TS 29.209: Policy control over Gq interface, Nokia**

DISCUSSION: A clean version will be sent to MCC and named 29.209v001 and placed by MCC to the DRAFT SPECS area of the FTP server.

RESULT: The document was **AGREED.**

N3-030543 **CR 29.207: Gq interface impacts on TS 29.207, Nokia**

CONTENT: Adds the Gq interface between the Application Function (AF) and PDF.

DISCUSSION: Suggests limiting the stage 3 to a SDP like protocol. The issue of protocol will be discussed until next WG meeting. It is hoped that the stage 2 will become stable before this time. CN3 cannot agree stage 3 based on unstable stage2 work.

RESULT: The document was **NOTED.**

N3-030544 **CR 29.208: Gq interface impacts on QoS parameter mapping definitions in TS29.208, Nokia**

DISCUSSION: The issue of protocol will be discussed until next WG meeting.

RESULT: The document was **NOTED.**

N3-030545 **CR 29.208: Gq interface impacts to signalling flows in TS 29.208Nokia**

DISCUSSION: The issue of protocol will be discussed until next WG meeting.

RESULT: The document was **NOTED.**

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]

N3-030532 **MBMS WI, Three**

CONTENT: Contains the updated version of the MBMS WID based on the approved version at the last plenary.

DISCUSSION: Has been seen and endorsed by CN4.

CN3 agree to include this functionality in 29.061. The WID will be updated to reflect this and remove any references to a chosen protocol. The updated version will be presented to CN1 for agreement.

RESULT: The document was **NOTED.**

N3-030533 **Discussion: Choice of protocol for MBMS, Three**

CONTENT: This paper details an analysis of the functionality required for the Gmb interface (and may also act as an introduction with those not familiar with MBMS), with possible suggestion as to the protocol that is best suited for the job.

DISCUSSION: CN3 agreed on including the text for Gmb interface 29.061, (as opposed to a new TS).

Nortel suggested to examine RADIUS for user authorisation combined with DIAMATER for MBMS.

Ericsson and Vodafone supported the use of Diameter only, as it is quickly becoming the upcoming protocol in this area

Siemens also supported RADIUS as it is already implemented in the GGSN.

CN3 agreed the working assumption that DIAMETER will be used for the functionality, but the final decision on the protocol to use will be taken at the next WG meeting. Three will provide contributions to the next meeting assuming DIAMETER as the chosen protocol.

RESULT: The document was **NOTED.**

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

No input to this Agenda Item.

10.9 Enhanced Tandem Free Operation [eTFO]

No input to this Agenda Item.

10.10 WLAN – UMTS Interworking [WLAN]

No input to this Agenda Item.

10. 11 Other Rel-6 Work Items

No input to this Agenda Item.

11 Joint sessions

12 Work Organization

12.1 Work Plan Review

N3-030485: **3GPP Work Plan, source MCC.**

DISCUSSION: Edited on line, and comments will be integrated in the version presented to CN#21.

RESULT: The document was **NOTED.**

12.2 Specification Review

N3-030486 **Status of CN3 specifications following SA#20, source MCC.**

CONTENT: Details the status of CN3s specifications following SA#20 meeting.

RESULT: The document was **NOTED.**

12.3 Next meetings, allocation of hosts

Sep 2003					
3GPPCN-#21	OR	17 - 19 Sep 2003	Frankfurt, Siemens	DE	
Oct 2003					
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	27 - 31 Oct 2003	Bangkok, JP Friends	Th	
Dec 2003					
3GPPCN-#22	OR	10 - 12 Dec 2003	Maui, Hawaii, NA & JP Friends	US	
Feb 2004					
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	16 - 20 Feb 2004	USA, NA Friends	US	
Mar 2004					
3GPPCN#23	OR	10 - 12 Mar 2004	USA, NA Friends	US	
May 2004					
Joint CN WG Meeting (CN1, 2, 3, 4)	WG	10 - 14 May 2004	Croatia, EF3	CR	
Jun 2004					
3GPPCN#24	OR	2 - 4 Jun 2004	KOREA	KR	
Aug 2004					
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	16 - 20 Aug 2004	Sophia Antipolis	FR	
Sep 2004					
3GPPCN#25	OR	8 - 10 Sep 2004	US	US	
Nov 2004					
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	15 - 19 Nov 2004	Asia, t.b.d		
Dec 2004					
3GPPCN#26	OR	8 - 10 Dec 2004	Athens	GR	

13 Summary of results

13.1 Work Items

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

13.2 Liaison Statements

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

Tdoc #	Tdoc Title	LS to	LS cc	Attachment
N3-030659	Interworking of PSTN-initiated hold and resume supplementary service at the MGCF and IM-MGW	SA2	-	-

<mark>1</mark> LS agreed at this meeting

13.3 TRs / TSs

CN3 provides the following TS/TR(s) to the next TSG-CN Plenary for Approval l.

Tdoc #	Number	Version	Rel	Title	Rapporteur	Company
NP-030326	29.163	2.0.0	Rel-6	Interworking between the IM CN subsystem and CS networks	Brendan McWilliams	Vodafone

<mark>1</mark> 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:

TSG_tdoc	WG_tdoc	Title	Spec	CR	Rev	Cat	Rel	Work Item
NP-03	N3-030642	Disconnect Request for Multiple PDP Sessions belonging to a single User	29.061	094		F	Rel-5	TEI
NP-030327	N3-030637	Clarification of Handover description	29.007	083	2	F	Rel-4	OuBTC
NP-030327	N3-030638	Clarification of Handover description	29.007	084	2	A	Rel-5	OuBTC
NP-030327	N3-030639	Clarification of Handover description	23.910	046	1	F	Rel-4	CSSPLIT
NP-030327	N3-030640	Clarification of Handover description	23.910	047	1	A	Rel-5	CSSPLIT
NP-030328	N3-030652	no BC-IE option in CALL PRIC/CONF messages	23.172	018	1	F	Rel-5	TEI
NP-030328	N3-030651	Interpretation of "no BC-IE in CALL PROC/CONF messages"	29.007	080	2	A	Rel-5	TEI
NP-030328	N3-030650	Interpretation of "no BC-IE in CALL PROC/CONF messages"	29.007	088		A	Rel-4	TEI
NP-030328	N3-030649	Interpretation of "no BC-IE in CALL PROC/CONF messages"	29.007	087		F	R99	TEI
NP-030328	N3-030656	Interpretation of "no BC-IE in CALL PROC/CONF messages"	27.001	102	1	F	R99	TEI
NP-030328	N3-030657	Interpretation of "no BC-IE in CALL PROC/CONF messages"	27.001	103	1	A	Rel-4	TEI
NP-030328	N3-030658	Interpretation of "no BC-IE in CALL PROC/CONF messages"	27.001	100	3	A	Rel-5	TEI
NP-030329	N3-030570	Alignment of negotiation rules with 27.001	29.007	085		F	R99	TEI
NP-030329	N3-030571	Alignment of negotiation rules with 27.001	29.007	086		A	Rel-4	TEI
NP-030329	N3-030572	Alignment of negotiation rules with 27.001	29.007	081	1	A	Rel-5	TEI
NP-030330	N3-030662	Repeat subscription checking in MO SCUDIF call	23.172	015	4	F	Rel-5	SCUDIF
NP-030330	N3-030644	Supplementary service interaction with SCUDIF calls	23.172	014	3	F	Rel-5	SCUDIF
NP-030331	N3-030627	Callflows for Service change during the active state	23.172	017	1	F	Rel-5	SCUDIF
NP-030332	N3-030620	Correcting concept description from media level to IP level	29.207	101	2	F	Rel-5	E2eQoS
NP-030332	N3-030619	Correcting concept description from media level to IP level	27.060	086	2	F	Rel-5	E2eQoS
NP-030332	N3-030623	Correcting concept description from media level to IP level	29.208	039	2	F	Rel-5	E2eQoS
NP-030334	N3-030579	Corrections regarding RTP/RTCP bandwidth	29.207	104	1	F	Rel-5	E2eQoS
NP-030334	N3-030635	Correcting the calculation of RTCP bandwidth	29.208	040	3	F	Rel-5	E2eQoS
NP-030335	N3-030581	Closing the gate at HOLD	29.208	043	1	F	Rel-5	E2EQoS
NP-030335	N3-030580	Closing the gate at HOLD	29.207	105	1	F	Rel-5	E2EQoS
NP-030336	N3-030621	Response to remove decision	29.207	106	2	F	Rel-5	E2EQoS
NP-030336	N3-030537	Response to remove decision	29.208	044		F	Rel-5	E2EQoS
NP-030337	N3-030578	Definition of binding information	29.207	103	1	F	Rel-5	E2eQoS
NP-030337	N3-030577	Correcting definition of flow id	29.207	102	1	F	Rel-5	E2eQoS
NP-030338	N3-030583	Handling of SIP CANCEL Request	29.208	045	1	F	Rel-5	E2EQoS
NP-030338	N3-030655	Clarification on the use of the inactive attribute at the beginning of the call	29.208	036	2	F	Rel-5	E2EQoS-IW
NP-030338	N3-030628	Examples of deriving the Maximum Authorized parameters from the SDP parameters	29.208	041	2	F	Rel-5	E2eQoS
NP-030339	N3-030573	Alignment of 29.061 with 29.207	29.061	093	1	F	Rel-5	E2EQoS-IW
NP-030340	N3-030574	Correcting that SBLP is needed for applying functions	27.060	087	1	F	Rel-5	E2eQoS
NP-030343	N3-030594	Editorial Corrections	29.962	001	1	A	Rel-6	IMS-CCR-IWIP

<mark>38</mark> *CRs AGREED at this meeting*

13.5 Other

14 Any other business

Summary of email approval documents:

N3-030641
N3-030614 also to be sent out to CN2 and CN4 for information.
N3-030593 either / or N3-030642 (alternative solutions only one may be agreed)
N3-030642 either / or N3-030593 (alternative solutions only one may be agreed)
N3-030653

Details of email procedure:

12:00 (CET) Wed 3rd	All new versions of tdocs to be made available to CN3 email exploder
15:00 (CET) Fri 5th	Comments may be made to the documents
12:00 (CET) Monday 8th	Revised versions of tdocs to be made available to CN3 email exploder
12:00 (CET) Tuesday 9th	End of email approval period.

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

15 Close of meeting

Norbert closed the 29th CN3 meeting on Friday 29th August at 16:00, 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.

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23 PARTICIPANTS.

Annex B: List of documents

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030465	2	Agenda	Draft Agenda for CN3#29	CN3 Chair							Approved
N3-030466	4.2	Report	Brief notice from CN#20 relevant for CN3	CN3 Chair							Noted
N3-030467	4.3	Report	Email with Highlights of CN#20/SA#20	CN Chair							Noted
N3-030468	3	DAD	Allocation of documents to agenda items (at deadline)	CN3 Chair							Noted
N3-030469	3	DAD	Allocation of documents to agenda items (at end of day 1)	CN3 Chair							Noted
N3-030470	3	DAD	Allocation of documents to agenda items (at end of day 2)	CN3 Chair							Noted
N3-030471	3	DAD	Allocation of documents to agenda items (at end of day 3)	CN3 Chair							Noted
N3-030472	3	DAD	Allocation of documents to agenda items (at end of day 4)	CN3 Chair							Noted
N3-030473	3	DAD	Allocation of documents to agenda items (at end of day 5)	CN3 Chair							Noted
N3-030474	7	LS in	LS reply on Rel-6 IMS Session Hold and Resume stage 2 and 3 descriptions	TSG SA WG5							Noted
N3-030475	7	LS in	LS on possible re-organisation of 3GPP charging specification work	TSG SA WG5							Noted
N3-030476	7	LS in	Reply LS on Handling of the SDP 'inactive' direction attribute	TSG SA WG5							Noted
N3-030477	7	LS in	LS Reply on Handling of SIP redirect messages (3xx responses)	TSG SA WG2							Noted
N3-030478	7	LS in	LS on CAMEL interactions with SCUDIF	TSG SA WG1							Noted
N3-030479	7	LS in	Reply LS on sending the SGSN's MNC and MCC to the GGSN and service node	TSG CN WG4							Noted
N3-030480	7	LS in	LS on CAMEL interactions with SCUDIF	TSG CN WG4 (from joint session with CN2 & CN3)							Noted
N3-030481	7	LS in	Response LS on IMS Session Hold and Resume stage 2 and 3 descriptions	TSG SA WG2							Noted

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N3-030482	7	LS in	Liaison on SIP signalling interworking	TSG SA WG2							Noted
N3-030483	7	LS in	LS reply on sending the SGSNs MNC and MCC to the GGSN and service node	TSG SA WG5							Noted
N3-030484	4.1	Report	Draft Report from CN3#28	MCC							Revised in N3-030565
N3-030485	21.1	WorkPlan	Latest version of the 3GPP Work Plan	MCC							Noted
N3-030486	12.2	list	Status of CN3 Specification following CN#20	MCC							Noted
N3-030487	4.2	Report	Draft Report from CN#20	MCC							Noted
N3-030488	9.3	CR	Disconnect Request for Multiple PDP Sessions belonging to a single User	Nortel Networks	TEI	29.061	092	0	F	Rel-5	Revised in N3-030593
N3-030489	9.1.1	CR	Alignment of 29.061 with 29.207	Nortel Networks	E2EQoS-IW	29.061	093	0	F	Rel-5	Revised in N3-030573
N3-030490	9.1	INFO	OMA Policy Work	Nortel Networks							Withdrawn
N3-030491	9.1.3	CR	Clarification on the use of the inactive attribute at the beginning of the call	Nortel Networks, Ericsson	E2EQoS-IW	29.208	036	0	F	Rel-5	Revised in N3-030584
N3-030492	10.2	[CR]	Definition of "root" termination	Nortel Networks	IW-CCR-IWCS	29.163		0	F	Rel-6	Revised in N3-030595
N3-030493	10.2	[CR]	General Corrections to 29.163	Nortel Networks	IW-CCR-IWCS	29.163		0	F	Rel-6	Revised in N3-030597
N3-030494	10.2	[CR]	Autonomous Release at I-MGCF on T7 expiry	Nortel Networks	IW-CCR-IWCS	29.163		0	F	Rel-6	Postponed
N3-030495	10.2	Discussion	Summary of misalignments items between 29.163 and Q.1912.SIP	Nortel Networks							Noted
N3-030496	10.2	[CR]	Correction of table 17	Nortel Networks	IW-CCR-IWCS	29.163		0	F	Rel-6	Agreed
N3-030497	10.2	[CR]	Correction to 7.2.3.2.2.2	Nortel Networks	IW-CCR-IWCS	29.163		0	F	Rel-6	Revised in N3-030599
N3-030498	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	27.001	100	0	F	Rel-5	Revised in N3-030616
N3-030499	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	29.007	080	0	F	Rel-5	Revised in N3-030617

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N3-030500	8.4	CR	Alignment of negotiation rules with 27.001	Siemens AG	TEI	29.007	081	0	F	Rel-5	Revised in N3-030572
N3-030501	9.2	CR	HSS interrogation for SCUDIF calls	NTT DoCoMo	SCUDIF	23.172	013	0	F	Rel-5	Withdrawn
N3-030502	9.2	CR	Supplementary service interaction with SCUDIF calls	NTT DoCoMo	SCUDIF	23.172	014	0	F	Rel-5	Revised in N3-030601
N3-030503	10.2	Discussion	Improvements to 29.163	Nortel Networks							Noted
N3-030504	10.2	[CR]	Corrections to 7.2.3.2	Nortel Networks	IW-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030603
N3-030505	10.2	[CR]	Adding of suplemmentary service COLP/COLR	Nortel Networks	IW-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030564
N3-030506	9.1.3	CR	Precision on the event that triggers the Approval of QoS Commit	Orange	E2EQoS	29.208	037	0	F	Rel-5	Withdrawn
N3-030507	9.1.3	CR	Handling of media stream removal by the PDF	Orange	E2EQoS	29.208	038	0	F	Rel-5	Rejected
N3-030508	9.2	CR	Repeat subscription checking in MO SCUDIF call	NTT DoCoMo	SCUDIF	23.172	015	0	F	Rel-5	Revised in N3-030602
N3-030509	9.2	Discussion	SCUDIF HLR Interrogation	Ericsson							Revised in N3-030589
N3-030510	9.2	CR	SCUDIF HLR Interrogation	Ericsson	SCUDIF	23.172	016	0	F	Rel-5	Revised in N3-030590
N3-030511	9.2	INFO	SCUDIF HLR Interrogation	Ericsson							Revised in N3-030591
N3-030512	9.2	INFO	SCUDIF HLR Interrogation	Ericsson							Revised in N3-030592
N3-030513	9.2	Discussion	CAMEL Interactions For SCUDIF In Release 5	Ericsson							Noted
N3-030514	9.2	INFO	SCUDIF Impacts to Basic Call	Ericsson							Withdrawn
N3-030515	10.2	[CR]	Sub-clause not applicable for IMS- CS interworking	Ericsson	IMS-CCR-IWCS	29.163			F	Rel-6	Agreed
N3-030516	10.2	[CR]	Procedures for IMS side call set-up	Ericsson	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030605
N3-030517	10.2	[CR]	Interworking of supplementary services	Ericsson	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030606

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N3-030518	10.2	[CR]	Coding of IAM	Ericsson	IMS-CCR-IWCS	29.163			F	Rel-6	Withdrawn
N3-030519	9.3	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Ericsson	TEI	27.001	101	0	F	Rel-5	Postponed
N3-030520	9.3	CR	"no BC-IE" option in CALL PROC/CONF messages	Ericsson	TEI	29.007	082	0	F	Rel-5	Postponed
N3-030521	9.3	CR	Usage of RLP versions	Ericsson	TEI	24.022	012	0	F	Rel-5	Revised in N3-030598
N3-030522	9.1.2	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	29.207	101	0	F	Rel-5	Revised in N3-030575
N3-030523	9.1.3	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	29.208	039	0	F	Rel-5	Revised in N3-030576
N3-030524	9.1.1	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	27.060	086	0	F	Rel-5	Revised in N3-030600
N3-030525	9.1.2	CR	Correcting definition of flow id	Ericsson	E2eQoS	29.207	102	0	F	Rel-5	Revised in N3-030577
N3-030526	9.1.2	CR	Definition of binding information	Ericsson	E2eQoS	29.207	103	0	F	Rel-5	Revised in N3-030578
N3-030527	9.1.3	CR	Correcting the calculation of RTCP bandwidth	Ericsson	E2eQoS	29.208	040	0	F	Rel-5	Revised in N3-030585
N3-030528	9.1.3	CR	Examples of deriving the Maximum Authorized parameters from the SDP parameters	Ericsson	E2eQoS	29.208	041	0	F	Rel-5	Revised in N3-030587
N3-030529	9.1.2	CR	Corrections regarding RTP/RTCP bandwidth	Ericsson	E2eQoS	29.207	104	0	F	Rel-5	Revised in N3-030579
N3-030530	9.1.1	CR	Correcting that SBLP is needed for applying functions	Ericsson	E2eQoS	27.060	087	0	F	Rel-5	Revised in N3-030574
N3-030531	9.1.3	CR	Correction of clarification and a typo	Ericsson	E2eQoS	29.208	042	0	F	Rel-5	Revised in N3-030588
N3-030532	10.7	WID	MBMS WI	3							Noted
N3-030533	10.7	Discussion	Choice of protocol for MBMS	3							Noted
N3-030534	9.1.2	CR	Closing the gate at HOLD	Nokia	E2EQoS	29.207	105	0	F	Rel-5	Revised in N3-030580
N3-030535	9.1.3	CR	Closing the gate at HOLD	Nokia	E2EQoS	29.208	043	0	F	Rel-5	Revised in N3-030581

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N3-030536	9.1.2	CR	Response to remove decision	Nokia	E2EQoS	29.207	106	0	F	Rel-5	Revised in N3-030582
N3-030537	9.1.3	CR	Response to remove decision	Nokia	E2EQoS	29.208	044	0	F	Rel-5	Agreed
N3-030538	10.2	[CR]	Handling of SIP redirect (3xx) messages at O-MGCF	Nokia	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030607
N3-030539	10.2	[CR]	IMS CS session hold and release	Nokia	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030608
N3-030540	10.4	INFO	Status of stage 2 / SA2 on PDF evolution	Nokia							Noted
N3-030541	10.4	Discussion	Protocol Selection for Gq Interface	Nokia							Noted
N3-030542	10.4	TS	Policy control over Gq interface	Nokia							Revised in N3-030618
N3-030543	10.4	[CR]	Gq interface impacts on TS 29.207	Nokia	QoS1	29.207			B	Rel-6	Noted
N3-030544	10.4	[CR]	Gq interface impacts on QoS parameter mapping definitions in TS 29.208	Nokia	QoS1	29.208			B	Rel-6	Noted
N3-030545	10.4	[CR]	Gq interface impacts to signalling flows in TS 29.208	Nokia	QoS1	29.208			B	Rel-6	Noted
N3-030546	9.1.3	CR	Handling of SIP CANCEL Request	Siemens	E2EQoS	29.208	045	0	F	Rel-5	Revised in N3-030583
N3-030547	9.1.3	Discussion	Considerations on QoS Mapping Tables	Siemens							Noted
N3-030548	9.1.3	CR	Update of QoS Mapping Tables	Siemens	E2EQoS	29.208	046	0	F	Rel-5	Revised in N3-030586
N3-030549	9.2	CR	Callflows for Service change during the active state	Siemens	SCUDIF	23.172	017	0	F	Rel-5	Revised in N3-030627
N3-030550	10.1	CR	Editorial Corrections	Siemens	IMS-CCR-IWIP	29.962	001	0	A	Rel-6	Revised in N3-030594
N3-030551	10.2	[CR]	Minor Corrections on Section 7.2	Siemens	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030610
N3-030552	10.3	[CR]	Corrections on Section 9.2.2IMS originated Session	Siemens	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030611
N3-030553	10.3	[CR]	Corrections on Section 9.2.3IMS terminated Session	Siemens	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030612

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N3-030554	10.3	[CR]	Corrections on Section 9.2.4-7 Session Release	Siemens	IMS-CCR-IWCS	29.163			F	Rel-6	Revised in N3-030613
N3-030555	10.3	[CR]	Corrections on Section 9.2.8 Handling of RTP telephony events	Siemens	IMS-CCR-IWCS	29.163			F	Rel-6	Agreed
N3-030556	8.2	CR	Clarification of Handover description	Huawei Technologies Co., Ltd.	OuBTC	29.007	083	0	F	Rel-4	Revised in N3-030566
N3-030557	8.2	CR	Clarification of Handover description	Huawei Technologies Co., Ltd.	OuBTC	29.007	084	0	F	Rel-5	Revised in N3-030567
N3-030558	9.1.3	CR	Handling of SIP 200 OK with inactive media	Siemens	E2EQoS	29.208	047	0	F	Rel-5	Revised in N3-030615
N3-030559	7	Discussion	CN's view on possible re-organisation of 3GPP charging specification work	CN Officials							Revised in N3-030560
N3-030560	7	Discussion	CN's view on possible re-organisation of 3GPP charging specification work	CN Officials							Revised in N3-03
N3-030561	7	Discussion	CN's view on possible re-organisation of 3GPP charging specification work	CN Officials							Revised in N3-03
N3-030562		LS in	Reply LS on possible re-organisation of 3GPP charging specification work	TSG SA WG2							Noted
N3-030563		LS in	Protocol choice for Gmb interface	TSG SA WG2							Noted
N3-030564	10.2	[CR]	Adding of suplemmentary service COLP/COLR	Nortel Networks	IW-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030604
N3-030565	4.1	Report	Draft Report from CN3#28	MCC							Approved
N3-030566	8.2	CR	Clarification of Handover description	Huawei Technologies Co., Ltd.	OuBTC	29.007	083	1	F	Rel-4	Revised in N3-030637
N3-030567	8.2	CR	Clarification of Handover description	Huawei Technologies Co., Ltd.	OuBTC	29.007	084	1	F	Rel-5	Revised in N3-030638
N3-030568	8.3	CR	Clarification of Handover description	Huawei,Ericsson, Siemens,	CSSPLIT	23.910	046	0	F	Rel-4	Revised in N3-030639
N3-030569	8.3	CR	Clarification of Handover description	Huawei,Ericsson, Siemens,	CSSPLIT	23.910	047	0	A	Rel-5	Revised in N3-030640
N3-030570	8.4	CR	Alignment of negotiation rules with 27.001	Siemens AG	TEI	29.007	085	0	F	R99	Agreed
N3-030571	8.4	CR	Alignment of negotiation rules with 27.001	Siemens AG	TEI	29.007	086	0	A	Rel-4	Agreed

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N3-030572	8.4	CR	Alignment of negotiation rules with 27.001	Siemens AG	TEI	29.007	081	1	A	Rel-5	Agreed
N3-030573	9.1.1	CR	Alignment of 29.061 with 29.207	Nortel Networks	E2EQoS-IW	29.061	093	1	F	Rel-5	Agreed
N3-030574	9.1.1	CR	Correcting that SBLP is needed for applying functions	Ericsson	E2eQoS	27.060	087	1	F	Rel-5	Agreed
N3-030575	9.1.2	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	29.207	101	1	F	Rel-5	Revised in N3-030620
N3-030576	9.1.3	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	29.208	039	1	F	Rel-5	Revised in N3-030623
N3-030577	9.1.2	CR	Correcting definition of flow id	Ericsson	E2eQoS	29.207	102	1	F	Rel-5	Agreed
N3-030578	9.1.2	CR	Definition of binding information	Ericsson	E2eQoS	29.207	103	1	F	Rel-5	Agreed
N3-030579	9.1.2	CR	Corrections regarding RTP/RTCP bandwidth	Ericsson	E2eQoS	29.207	104	1	F	Rel-5	Agreed
N3-030580	9.1.2	CR	Closing the gate at HOLD	Nokia	E2EQoS	29.207	105	1	F	Rel-5	Agreed
N3-030581	9.1.3	CR	Closing the gate at HOLD	Nokia	E2EQoS	29.208	043	1	F	Rel-5	Agreed
N3-030582	9.1.2	CR	Response to remove decision	Nokia	E2EQoS	29.207	106	1	F	Rel-5	Revised in N3-030621
N3-030583	9.1.3	CR	Handling of SIP CANCEL Request	Siemens	E2EQoS	29.208	045	1	F	Rel-5	Agreed
N3-030584	9.1.3	CR	Clarification on the use of the inactive attribute at the beginning of the call	Nortel Networks, Ericsson	E2EQoS-IW	29.208	036	1	F	Rel-5	Revised in N3-030655
N3-030585	9.1.3	CR	Correcting the calculation of RTCP bandwidth	Ericsson	E2eQoS	29.208	040	1	F	Rel-5	Revised in N3-030624
N3-030586	9.1.3	CR	Update of QoS Mapping Tables	Siemens	E2EQoS	29.208	046	1	F	Rel-5	Withdrawn
N3-030587	9.1.3	CR	Examples of deriving the Maximum Authorized parameters from the SDP parameters	Ericsson	E2eQoS	29.208	041	1	F	Rel-5	Revised in N3-030628
N3-030588	9.1.3	CR	Correction of clarification and a typo	Ericsson	E2eQoS	29.208	042	1	F	Rel-5	Withdrawn
N3-030589	9.2	Discussion	SCUDIF HLR Interrogation	Ericsson							Noted

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N3-030590	9.2	CR	SCUDIF HLR Interrogation	Ericsson	SCUDIF	23.172	016	1	F	Rel-5	Revised in N3-030614
N3-030591	9.2	INFO	SCUDIF HLR Interrogation	Ericsson							Noted
N3-030592	9.2	INFO	SCUDIF HLR Interrogation	Ericsson							Noted
N3-030593	9.3	CR	Disconnect Request for Multiple PDP Sessions belonging to a single User	Nortel Networks	TEI	29.061	092	1	F	Rel-5	email approv.
N3-030594	10.1	CR	Editorial Corrections	Siemens	IMS-CCR-IWIP	29.962	001	1	A	Rel-6	Agreed
N3-030595	10.2	[CR]	Definition of "root" termination	Nortel Networks	IW-CCR-IWCS	29.163		1	F	Rel-6	Agreed
N3-030596	10.2	[CR]	Improvements to 29.163,	Nortel				0		Rel-6	Revised in N3-030630
N3-030597	10.2	[CR]	General Corrections to 29.163	Nortel Networks	IW-CCR-IWCS	29.163		1	F	Rel-6	Agreed
N3-030598	9.3	CR	Usage of RLP versions	Ericsson	TEI	24.022	012	1	F	Rel-5	Revised in N3-030653
N3-030599	10.2	[CR]	Correction to 7.2.3.2.2.2	Nortel Networks	IW-CCR-IWCS	29.163		1	F	Rel-6	Agreed
N3-030600	9.1.1	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	27.060	086	1	F	Rel-5	Revised in N3-030619
N3-030601	9.2	CR	Supplementary service interaction with SCUDIF calls	NTT DoCoMo	SCUDIF	23.172	014	1	F	Rel-5	Revised in N3-030625
N3-030602	9.2	CR	Repeat subscription checking in MO SCUDIF call	NTT DoCoMo	SCUDIF	23.172	015	1	F	Rel-5	Revised in N3-030626
N3-030603	10.2	[CR]	Corrections to 7.2.3.2	Nortel Networks	IW-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030636
N3-030604	10.2	[CR]	Adding of suplemmentary service COLP/COLR	Nortel Networks	IW-CCR-IWCS	29.163		2	F	Rel-6	Agreed
N3-030605	10.2	[CR]	Procedures for IMS side call set-up	Ericsson	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030631
N3-030606	10.2	[CR]	Interworking of supplementary services	Ericsson	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030632
N3-030607	10.2	[CR]	Handling of SIP redirect (3xx) messages at O-MGCF	Nokia	IMS-CCR-IWCS	29.163		1	F	Rel-6	Agreed

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N3-030608	10.2	[CR]	IMS CS session hold and release	Nokia	IMS-CCR-IWCS	29.163		1	F	Rel-6	Agreed
N3-030609		LS out	Ls to SA2 on ,,,	CN3							Revised in N3-030633
N3-030610	10.2	[CR]	Minor Corrections on Section 7.2	Siemens	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030661
N3-030611	10.3	[CR]	Corrections on Section 9.2.2IMS originated Session	Siemens	IMS-CCR-IWCS	29.163		1	F	Rel-6	Agreed
N3-030612	10.3	[CR]	Corrections on Section 9.2.3IMS terminated Session	Siemens	IMS-CCR-IWCS	29.163		1	F	Rel-6	Revised in N3-030634
N3-030613	10.3	[CR]	Corrections on Section 9.2.4-7 Session Release	Siemens	IMS-CCR-IWCS	29.163		1	F	Rel-6	Agreed
N3-030614	9.2	CR	SCUDIF HLR Interrogation	Ericsson	SCUDIF	23.172	016	2	F	Rel-5	email approv.
N3-030615	9.1.3	CR	Handling of SIP 200 OK with inactive media	Siemens	E2EQoS	29.208	047	1	F	Rel-5	Revised in N3-030629
N3-030616	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	27.001	100	1	F	Rel-5	Revised in N3-030648
N3-030617	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	29.007	080	1	F	Rel-5	Revised in N3-030651
N3-030618	10.4	TS	Policy control over Gq interface	Nokia							Revised in N3-030660
N3-030619	9.1.1	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	27.060	086	2	F	Rel-5	Agreed
N3-030620	9.1.2	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	29.207	101	2	F	Rel-5	Agreed
N3-030621	9.1.2	CR	Response to remove decision	Nokia	E2EQoS	29.207	106	2	F	Rel-5	Agreed
N3-030622	8.4	CR	no BC-IE option in CALL PRIC/CONF messages	Siemens	TEI	23.172	018	0	F	Rel-5	Revised in N3-030652
N3-030623	9.1.3	CR	Correcting concept description from media level to IP level	Ericsson	E2eQoS	29.208	039	2	F	Rel-5	Agreed
N3-030624	9.1.3	CR	Correcting the calculation of RTCP bandwidth	Ericsson	E2eQoS	29.208	040	2	F	Rel-5	Revised in N3-030635
N3-030625	9.2	CR	Supplementary service interaction with SCUDIF calls	NTT DoCoMo	SCUDIF	23.172	014	2	F	Rel-5	Revised in N3-030644

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N3-030626	9.2	CR	Repeat subscription checking in MO SCUDIF call	NTT DoCoMo	SCUDIF	23.172	015	2	F	Rel-5	Revised in N3-030645
N3-030627	9.2	CR	Callflows for Service change during the active state	Siemens	SCUDIF	23.172	017	1	F	Rel-5	Agreed
N3-030628	9.1.3	CR	Examples of deriving the Maximum Authorized parameters from the SDP parameters	Ericsson	E2eQoS	29.208	041	2	F	Rel-5	Agreed
N3-030629	9.1.3	CR	Handling of SIP 200 OK with inactive media	Siemens	E2EQoS	29.208	047	2	F	Rel-5	Revised in N3-030641
N3-030630	10.2	[CR]	Improvements to 29.163,	Nortel				1		Rel-6	Agreed
N3-030631	10.2	[CR]	Procedures for IMS side call set-up	Ericsson	IMS-CCR-IWCS	29.163		2	F	Rel-6	Agreed
N3-030632	10.2	[CR]	Interworking of supplementary services	Ericsson	IMS-CCR-IWCS	29.163		2	F	Rel-6	Revised in N3-030654
N3-030633		LS out	Ls to SA2 on ,,,	CN3							Revised in N3-030643
N3-030634	10.3	[CR]	Corrections on Section 9.2.3IMS terminated Session	Siemens	IMS-CCR-IWCS	29.163		2	F	Rel-6	Agreed
N3-030635	9.1.3	CR	Correcting the calculation of RTCP bandwidth	Ericsson	E2eQoS	29.208	040	3	F	Rel-5	Agreed
N3-030636	10.2	[CR]	Corrections to 7.2.3.2	Nortel Networks	IW-CCR-IWCS	29.163		2	F	Rel-6	Agreed
N3-030637	8.2	CR	Clarification of Handover description	Huawei Technologies Co., Ltd	OuBTC	29.007	083	2	F	Rel-4	Agreed
N3-030638	8.2	CR	Clarification of Handover description	Huawei Technologies Co., Ltd	OuBTC	29.007	084	2	A	Rel-5	Agreed
N3-030639	8.3	CR	Clarification of Handover description	Huawei,Ericsson, Siemens,	CSSPLIT	23.910	046	1	F	Rel-4	Agreed
N3-030640	8.3	CR	Clarification of Handover description	Huawei,Ericsson, Siemens,	CSSPLIT	23.910	047	1	A	Rel-5	Agreed
N3-030641	9.1.3	CR	Handling of SIP 200 OK with inactive media	Siemens	E2EQoS	29.208	047	3	F	Rel-5	email approv.
N3-030642	9.3	CR	Disconnect Request for Multiple PDP Sessions belonging to a single User	Siemens, Cisco	TEI	29.061	094	0	F	Rel-5	email
N3-030643		LS out	Interworking of PSTN-initiated hold and resume supplementary service at the MGCF and IM-MGW	CN3							Revised in N3-030659

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030644	9.2	CR	Supplementary service interaction with SCUDIF calls	NTT DoCoMo	SCUDIF	23.172	014	3	F	Rel-5	Agreed
N3-030645	9.2	CR	Repeat subscription checking in MO SCUDIF call	NTT DoCoMo	SCUDIF	23.172	015	3	F	Rel-5	Revised in N3-030662
N3-030646	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens	TEI	27.001	102	0	F	R99	Revised in N3-030656
N3-030647	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens	TEI	27.001	103	0	A	Rel-4	Revised in N3-030657
N3-030648	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	27.001	100	2	A	Rel-5	Revised in N3-030658
N3-030649	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens	TEI	29.007	087	0	F	R99	Agreed
N3-030650	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	siemens	TEI	29.007	088	0	A	Rel-4	Agreed
N3-030651	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	29.007	080	2	A	Rel-5	Agreed
N3-030652	8.4	CR	no BC-IE option in CALL PRIC/CONF messages	Siemens	TEI	23.172	018	1	F	Rel-5	Agreed
N3-030653	9.3	CR	Usage of RLP versions	Ericsson	TEI	24.022	012	2	F	Rel-5	email approv.
N3-030654	10.2	[CR]	Interworking of supplementary services	Ericsson	IMS-CCR-IWCS	29.163		3	F	Rel-6	Agreed
N3-030655	9.1.3	CR	Clarification on the use of the inactive attribute at the beginning of the call	Nortel Networks, Ericsson	E2EQoS-IW	29.208	036	2	F	Rel-5	Agreed
N3-030656	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens	TEI	27.001	102	1	F	R99	Agreed
N3-030657	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens	TEI	27.001	103	1	A	Rel-4	Agreed
N3-030658	8.4	CR	Interpretation of "no BC-IE in CALL PROC/CONF messages"	Siemens AG	TEI	27.001	100	3	A	Rel-5	Agreed
N3-030659		LS out	Interworking of PSTN-initiated hold and resume supplementary service at the MGCF and IM-MGW	CN3							Approved
N3-030660	10.4	TS	Policy control over Gq interface	Nokia							Agreed
N3-030661	10.2	[CR]	Minor Corrections on Section 7.2	Siemens	IMS-CCR-IWCS	29.163		2	F	Rel-6	Agreed

Tdoc	Agenda	Type	Title	Source	WI	Spec	CR #	Rev	Cat	Rel	Status
N3-030662	9.2	CR	Repeat subscription checking in MO SCUDIF call	NTT DoCoMo	SCUDIF	23.172	015	4	F	Rel-5	Agreed
N3-030663			TS 29.163 v180 + coversheet								email

199 documents treated at this meeting

History:

Document History	
4th Sept 2003	DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list. Comments, if any, to be addressed to: David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secretariat Tel :+33 (0)4 92 94 42 78 e-mail: *david.boswarthick@ETSI.fr* A deadline of 10 DAYS was given to the CN3 delegates for e-mail comments on the draft report. **Comments back by 14th September**
8th Oct 2003	Updated DRAFT v2.0.0 placed to the server
4th Nov 2003	N3-030674 [v2.0.0] approved and placed to the server as v3.0.0.