ATIS ETSI TTA ARIB/TTC CCSA

Third Generation Partnership Project

Meeting Report v3.0.0
for
3GPP TSG CN WG3
Meeting #33

Sophia Antipolis, France
16th – 20th August 2004.

3GPP

Hosted by

ETSI

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1. Opening of the Meeting

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

Objective of this meeting – progress the CN3 Rel-6 WI's

Report the progress of the Rel-6 WIs to CN leadership.

2 Approval of the agenda

N3-040427:   **CN3#33 Draft Meeting Agenda, source CN3 Chairman.**

CONTENT: Contains the draft agenda for CN3#33 Meeting.

RESULT: The Agenda was **APPROVED.**

3   Registration of documents

N3-040428:   **Allocation of documents to agenda items (at deadline), source CN3 Chairman.**

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

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

N3-040429:   **Allocation of documents to agenda items (at end of day 1), source CN3 Chairman.**

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

N3-040430:   **Allocation of documents to agenda items (at end of day 2), source CN3 Chairman.**

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

N3-040431:   **Allocation of documents to agenda items (at end of day 3), source CN3 Chairman.**

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

N3-040432:   **Allocation of documents to agenda items (at end of day 4), source CN3 Chairman.**

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

N3-040433:   **Allocation of documents to agenda items (at end of day 5), source CN3 Chairman.**

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

4 Reports

4.1 Report of last CN3 Meeting

N3-040434: **CN3#32 Draft Meeting Report, source MCC.**

CONTENT: Contains the draft meeting report for the CN3#32.

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.

DISCUSSION: Nortel had difficulties accepting the conclusion relating to tdoc N3-040263, which Nortel sees as contradicting the Stage 2 status.

Nortel prefers the proposed text that was discussed on the CN3 email exploder.

CN3 agreed not to change the CN3#32 meeting report, but to add a note explaining this to the CN3#33 meeting report.

RESULT: The document was **APPROVED.**

4.2 Reports from last CN

N3-040435: **Brief notice from CN#24 relevant for CN3 Former CN3 Chair. NOTED.**

N3-040436: **Email with Highlights of CN#24/SA#24 CN Chair. NOTED.**

4.3 Reports of other groups

No documents for this agenda item

5   IPR disclosures

Reminder for IPR declaration

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

> The attention of the delegates to the meeting of this Technical Specification Group was 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 delegates were asked to take note that they were thereby invited:
>
> -   to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
>
> -   to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/Ipr/).

6   Items for immediate consideration

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

No input to this agenda item.

7 Received Liaison Statements

N3-040438   **LS on Assignment of the Diameter codes and identifiers, TSG SA WG5.**

CONTENT: SA5 would like to thank CN4 for the LS on "Assignment of the Diameter codes and identifiers". SA5 have reviewed the attached TS 29.230 v0.3.0 and have some comments:

In addition to the above comments to CN4 on TS 29.230, SA5 would like to inform CN4 and CN3 about the following issue raised by delegates concerning clause 7.1:

- CN3 specification TS 29.061 uses RADIUS VSA sub attributes, on the Gi interface, in the same number range as the vendor specific AVPs in the table in section 7.1.

- IETF has defined how RADIUS VSA sub-attributes may be carried in Diameter NASREQ and is currently discussing how this could apply to other Diameter applications.

- There will be conflicts with these AVPs if the NASREQ solution is extended to other applications.

RESULT: The document was **NOTED.**

N3-040439   **Re. LS on Generation of multiple authorization tokens, TSG SA WG2.**

CONTENT: CN3 asked for guidance about the specified possibility for the AF to request multiple authorization tokens from the PDF to be used for future AF sessions.
SA2 notes that the stage-2 specification regarding the usage of multiple tokens is not sufficiently clear and complete. SA2 would like to take this opportunity to explain some of the motivations and assumptions regarding how multiple token generation should work.
However, these issues should also be clarified in TS 23.207 for CN3's stage-3 work to commence properly.

SA2 asks CN3 to take the answers from SA2 into account. For further work on policy with multiple tokens CN3 should note that further clarifications of TS 23.207 in line with the above are needed and expected for CN3's stage-3 work to commence properly in this area.

DISCUSSION: This work cannot be completed for Rel-6. There are no Stage 2 CRs yet available, and there is a proposal to remove this work from Rel-6 that will be examined by SA2 this week. Nokia will inform CN3 is a decision is taken in SA2 this week.

The decision was taken in SA2 to remove multiple tokens from the stage 2. It was agreed in CN3 to remove multiple tokens from the Rel-6 stage 3.

RESULT: The document was **NOTED.**

N3-040440   **Re. to RAN3 Multicast and Broadcast service info to the RAN, TSG SA WG2.**

CONTENT: In this LS, respond to the RAN3 question on how RAN knows whether one MBMS Bearer Service is for the Multicast mode or for the Broadcast mode service.

SA2 asks RAN3, CN3, CN4 to note that BM-SC initiates session start and take into account in stage 3 protocol design that session start contain explicit information whether it is for the multicast service or for the broadcast service.

DISCUSSION: CN3 have a subsequent action to add a new AVP (broadcast / multicast) to the session start command for the GMb interface. CRs are expected at the next CN3 meeting.

RESULT: The document was **NOTED.**

N3-040441   **LS on Early media session establishment in IMS, TSG SA WG2.**

CONTENT: Early media refers to the media that is exchanged before a particular session is accepted by the called user. Typical examples of early media for the caller are special ring-back-tones or announcements before the regular session is established between

caller and callee. IETF is working on SIP extension draft ("draft-ietf-sipping-early-disposition-01") in order to support fully-featured early media.

At SA2#40 meeting, a CR against TS 23.228 was proposed to add a architectural requirement for early media session establishment based on the IETF draft. However, during the discussion on the CR there were some comments raised whether we need a new requirement and it might cause any architectural impact. So, SA2 could not conclude if there is any additional functionality needed in this area.

SA2 is looking for guidance whether the existing architectural requirements and capabilities are sufficient for early media support in Rel6, or whether additional architectural requirements/mechanisms(e.g. based on the IETF "draft-ietf-sipping-early-disposition-01") would be needed in order for CN1 and CN3 to complete stage-3 work in this area.

ACTION: SA2 kindly asks CN3 to take into consideration especially in the case of PSTN interworking and give guidance on the above questions.

DISCUSSION: Response from CN1 in N3-040444.

RESULT: The document was **NOTED.**

N3-040444 **Reply to LS on Early media session establishment in IMS, TSG CN WG1.**

CONTENT: CN1 have considered the Liaison Statement from SA2 regarding support of the SIP extension draft ("draft-ietf-sipping-early-disposition-01"). CN1 has made the following conclusions:

- Early media is already supported in Release 6 (also in Release 5). Support of draft-ietf-sipping-early-disposition-01 is not required in order to support early media.

- draft-ietf-sipping-early-disposition-01 defines extensions which can be used together with early media but none of those are required for Release 6, neither would they provide support for any new functionality in Release 6.

- CN1 sees no need for any architectural changes for Release 6.

DISCUSSION: CN3 will send an LS [N3-040530] to SA2 on this issue.

RESULT: The document was **NOTED.**

N3-040530 **Reply to LS on Early media session establishment in IMS, CN3.**

DISCUSSION: Some minor editorials to meeting dates

RESULT: The document was **REVISED to 0584.**

ß **REVISED** ß

N3-040584 **Reply to LS on Early media session establishment in IMS, CN3.**

RESULT: The document was **APPROVED.**

N3-040446 **Interworking with non-IMS SIP UEs (precondition fallback) TSG CN WG1**

CONTENT: In this LS, CN1 asks SA2 to study whether the shortcomings of the CN1 solution in the agreed CR (N1-041096, which is according to TR 29.962) are acceptable. If they are not acceptable, CN1 asks SA2 whether the alternative proposal should be considered. SA2 is kindly asked to indicate this fact towards CN plenary, as the accepted CR against 24.229 (N1-041096) could then there be rejected.

DISCUSSION: Reply LS from SA2 is in N3-040442.

RESULT: The document was **NOTED.**

N3-040442 **Reply LS on "Interworking with non-IMS SIP UEs (precondition fallback)" TSG SA WG2**

CONTENT: Answering to CN1's question, SA2 would like to confirm that CN1's CR in N1-041096 (CR#644rev3 on 24.229) is in full alignment with stage-2 specifications, and hence would like to encourage its approval.

Additionally, SA2 would like to point out that it is conducting some investigations around the usage of Service Based Local Policy for certain services (e.g. Session Based Messaging, PoC) and session scenarios. Once these investigations have concluded, SA2 will inform CN1 and CN3 about possible impacts (including possible impacts on interworking with non-IMS UEs).

RESULT: The document was **NOTED.**

N3-040443 **IP-CAN transport for additional IMS capabilities, TSG CN WG1.**

CONTENT: In this LS CN1 asks SA2 to indicate their requirements for the IP-CAN transport of these protocols.

RESULT: The document was **NOTED.**

N3-040445 **LS on Interactive Channel through the GPRS for DVB, TSG GERAN.**

CONTENT: In this LS, GERAN provide comments to JTC Broadcast specification ETSI ES 202 218 "Digital Video Broadcasting (DVB); Interactive channel through the General Packet Radio System (GPRS)".

DISCUSSION: POSTPONED to next meeting

RESULT: The document was **POSTPONED to next meeting.**

N3-040447 **LS on Assignment of the Diameter codes and identifiers TSG CN WG4**

CONTENT: CN4 thank CN3 for their quick an clear response to the LS on Assignment of the Diameter codes and identifiers.

CN4 inform CN3, that the following Diameter code ranges are allocated for Gq interface

- AVP codes from 500 to 599

- Experimental-Result-Codes from 5061 to 5080 for permanent failures.

(CN4 will also update the TS 29.230 accordingly.)

CN4 would like also to inform CN3, that CN4 will request the Diameter application identifier for Rel-6 Gq interface from IANA. The CN4 will inform the CN3 when the IANA has assigned the application identifier.

When CN3 has specified the AVPs and result codes, and the specification has been approved and is under CR control, it should inform the AVPs and codes to the 3GPP TSG-CN WG 4 via an LS. The LS should list the used result codes in the form of the tables in chapter 8.

DISCUSSION: CN3 will send a response to CN4 in N3-040531

RESULT: The document was **NOTED.**

N3-040531 **Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gq interface, CN3**

CONTENT: CN3 has allocated the CN4 granted 3GPP specific AVP numbers as follows to the Gq interface defined in TS 29.209 (approval at NP#25 in September):

RESULT: The document was **APPROVED.**

N3-040448 **Reply LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0. TSG SA WG3.**

CONTENT: Comments from SA3 on the MRD draft.

In 4.1.2 "User experience", the MRD seems to give recommendations rather than mandatory requirements. It should be stated that the most secure mechanism must

prevail, instead of giving always the choice to the user which has no idea about security mechanisms. In the case "authentication directly with hotspot", the user should be forced to authenticate with the most secure method (if available): for example, if the user has a (U)SIM, it should use an authentication method associated to it, instead of authenticate with user/password.

RESULT: The document was **NOTED.**

N3-040449 **[Postponed from CN3#32] Request for comments Wi-Fi Alliance**
RESULT: The document was **NOTED.**

N3-040450 **[Postponed from CN3#32] LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0 TSG SA WG2**
RESULT: The document was **NOTED.**

N3-040451 **[Postponed from CN3#32] Reply LS to Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0 TSG SA WG2**
RESULT: The document was **NOTED.**

8 Release 4 and earlier

REL-4 IS FROZEN: ONLY ESSENTIAL CAT F AND CAT A CRS ARE ALLOWED

8.1 GPRS [GPRS]

No input to this agenda item.

8.2 Circuit switched Bearer Services [CS Data]

N3-040479 **CR 29.007-Rel4: Nb transport for handover between UMTS and GSM, Siemens.**

RESULT: The document was **REVISED to 0516 before the meeting.**

ß REVISED ß

N3-040516 **CR 29.007-Rel4: Nb transport for handover between UMTS and GSM Siemens.**

RESULT: The document was **POSTPONED to next meeting.**

N3-040480 **CR 29.007-Rel5: Nb transport for handover between UMTS and GSM Siemens.**

RESULT: The document was **REVISED to 0517 before the meeting.**

ß REVISED ß

N3-040517 **CR 29.007-Rel5: Nb transport for handover between UMTS and GSM Siemens.**

RESULT: The document was **POSTPONED to next meeting.**

N3-040468 **Discussion: GSM Channel Coding and Handover from UMTS to GSM, Nortel Networks.**

CONTENT: This contributions proposes adding a new table to 29.007 in order to clarify the non-transparent CSD MGW termination properties for a UMTS to GSM inter-MSC handover configuration.

RESULT: The document was **NOTED.**

8.3 Bearer Independent Circuit switched Core network [CSSPLIT]

No input to this agenda item.

8.4 Technical Enhancements & Improvements [TEI or TEI4]

No input to this agenda item.

9 Release 5

REL-5 IS FROZEN: ONLY CAT F AND CAT A CRS ARE ALLOWED

9.1 e2e QoS for IM Subsystem [E2EQoS]

N3-040474   **CR 29.207-Rel5: COPS DEC message handling, Siemens.**

CONTENT: Unclear handling of packet classifiers in case of solicited authorization decision on PDP context modification. Clear handling is only described for solicited authorization decision in Clause 5.1.3: "When the GGSN receives an unsolicited authorisation decision from the PDF, the GGSN shall also install the new set of packet classifiers, removing any existing packet classifiers that are not included in the new set."

DISCUSSION: Nortel proposed some slightly improved text. Also some changes were required in the header page.

RESULT: The document was **REVISED to 0532.**

ß **REVISED** ß

N3-040532   **CR 29.207-Rel5: COPS DEC message handling, Siemens.**

DISCUSSION: Assorted editorial corrections.

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

ß **REVISED** ß

N3-040587   **CR 29.207-Rel5: COPS DEC message handling, Siemens.**

RESULT: The document was **AGREED.**

N3-040475   **CR 29.207-Rel6: COPS DEC message handling, Siemens.**

CONTENT: Mirror CR for Rel-6.

RESULT: The document was **REVISED to 0533.**

ß **REVISED** ß

N3-040533   **CR 29.207-Rel6: COPS DEC message handling, Siemens.**

DISCUSSION: Mirrors also needs to be revised

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

ß **REVISED** ß

N3-040588   **CR 29.207-Rel6: COPS DEC message handling, Siemens.**

RESULT: The document was **AGREED.**

N3-040476   **CR 29.207-Rel5: COPS-PR "Request State" flag not set for authorization failure decision, Siemens.**

CONTENT: Unclear if COPS-PR "Request State" flag needs to be set for authorization failure decision. The GGSN could expect this "Request State" flag as trigger to send DRQ message at authorization failure of an initial authorization request, see RFC 3084, Clause 3.3.

DISCUSSION: Some editorial corrections required. Also Nortel proposed an additional change to be added on this issue.

RESULT: The document was **REVISED to 0534.**

ß **REVISED** ß

N3-040534   **CR 29.207-Rel5: COPS-PR "Request State" flag not set for authorization failure decision, Siemens.**

DISCUSSION: Nortel proposed some improved wording (offline)

RESULT: The document was **REVISED to 0589.**

ß **REVISED** ß

N3-040589   **CR 29.207-Rel5: COPS-PR "Request State" flag not set for authorization failure decision, Siemens.**

RESULT: The document was **AGREED.**

N3-040477   **CR 29.207-Rel6: COPS-PR "Request State" flag not set for authorization failure decision Siemens.**

CONTENT: Rel-6 Mirror

RESULT: The document was **REVISED to 0535.**

ß **REVISED** ß

N3-040535   **CR 29.207-Rel6: COPS-PR "Request State" flag not set for authorization failure decision Siemens.**

DISCUSSION: Mirror CR also needs to be revised.

RESULT: The document was **REVISED to 0590.**

ß **REVISED** ß

N3-040590   **CR 29.207-Rel6: COPS-PR "Request State" flag not set for authorization failure decision Siemens.**

RESULT: The document was **AGREED.**

9.2   Service change and UDI fall back [SCUDIF]

No input to this agenda item.

9.3   Technical Enhancements & Improvements [TEI5]

No input to this agenda item.

10 Release 6

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

N3-040454   **CR/TS 29.162: Rel-6 version of TS29.162 incl. Ipv4/v6 interworking, Ericsson.**

CONTENT: Provides IPv4 to IPv6 interworking for Rel-6.

DISCUSSION: Ongoing discussions in CN1 relating to a new IETF (IMS RG, turn and stun) mechanism that is not the same of the proposed solution in this CR. This may have an impact on these updates to TS29.162. This CN1 CR is contained in N3-040536

CN3 has the leadership when it comes to interworking. However CN1 have the responsibility on end to end solution. So depending on the solution (interworking or end to end), the responsible group will change.

Nortel provided some comments to the technical content of the CR. There are some terminology problems in the new figures.

Various comments and improvements were made to the Ericsson contribution.

RESULT: The document was **REVISED to 0537.**

ß REVISED ß

N3-040537   **CR/TS 29.162: Rel-6 version of TS29.162 incl. Ipv4/v6 interworking, Ericsson.**

DISCUSSION: Minor editorial comments to the CR. Also the TS needs to be made on the correct version The cover page will be removed before the TX is presented to CN plenary.

RESULT: The document was **REVISED to 0596.**

ß REVISED ß

N3-040596   **CR/TS 29.162: Rel-6 version of TS29.162 incl. Ipv4/v6 interworking, Ericsson.**

DISCUSSION: This TS will be presented to Plenary for information and CN3 expect to ask for approval at December Plenary.

Nokia will provide a revised version including the cover page and a clean version of the specification. (v1.1.0)

RESULT: The document was **AGREED**

ß REVISED ß

N3-040610   **CR/TS 29.162: Rel-6 version of TS29.162 incl. Ipv4/v6 interworking, Ericsson.**

DISCUSSION: Clean version of 29.162v1.1.0 with accompanying cover sheet.

RESULT: The document was **provided by email before Friday 27th Aug.**

N3-040536   **CN1, CR on interworking with IPv4, Nokia.**

CONTENT: Provided for information and clarity only. Ericsson document takes the CN1 decisions into account.

Note this CR was rejected in CN1 and the corresponding Ericsson CR will be used.

CN1 have agreed the work split that IPv6 to IPv4 shall be dealt with in CN3.

RESULT: The document was **NOTED.**

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

N3-040455   **Comments on TS29.163, Ericsson.**

RESULT: The document was **WITHDRAWN.**

N3-040496   **CR 29.163: DTMF towards IM CN subsystem, Lucent Technologies.**

CONTENT: Adds the missing procedures for signaling out-of-band DTMF from the CS CN towards the IM CN subsystem.

DISCUSSION: Not aligned with decisions take previously in CN1 and CN3 on use of DTMF in one direction only.

This is not seen as a requirement in CN1 and CN3. Possibly worth Lucent taking this to CN1 and seeing if they can support this change.

RESULT: The document was **REJECTED.**

N3-040497   **CR 29.163: Application to other SIP profiles, Lucent Technologies.**

RESULT: The document was **WITHDRAWN.**

N3-040495   **CR 29.163: Corrections to AMR codec parameter translations, Lucent Technologies.**

RESULT: The document was **REVISED to 0552.**

ß REVISED ß

N3-040552   **CR 29.163: Corrections to AMR codec parameter translations, Lucent Technologies.**

CONTENT: The codec parameter translation procedures for AMR and AMR-WB are modified for consistency with OoBTC.

DISCUSSION: This solution is only an intermediate step and does not provide the entire solution.

Propose offline discussions to progress the technical aspects of this

RESULT: The document was **REVISED to 0562.**

ß REVISED ß

N3-040562   **CR 29.163: Corrections to AMR codec parameter translations, Lucent Technologies.**

DISCUSSION: Non-affected clauses can be removed.

RESULT: The document was **REVISED to 0591.**

ß REVISED ß

N3-040591   **CR 29.163: Corrections to AMR codec parameter translations, Lucent Technologies.**

RESULT: The document was **AGREED.**

N3-040558   **CR 29.163: ISUP-SIP Interworking to support early media provided by IMS Core Network, Lucent Technologies.**

RESULT: The document was **WITHDRAWN.**

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

N3-040472   **CR 29.163: Non call-related Mn procedures, Siemens.**

CONTENT: The CR change the names in no-call related Mn procedres and add clarifying note

DISCUSSION: One minor editorial to one name, and removal of duplicated bracket.

RESULT:	The document was **REVISED to 0563.**

ß REVISED ß

N3-040563	**CR 29.163: Non call-related Mn procedures, Siemens.**
DISCUSSION:	Several errors on the Coverpage.
	Also needs a clearer reason for change and consequences.
RESULT:	The document was **REVISED to 0603.**

ß REVISED ß

N3-040603	**CR 29.163: Non call-related Mn procedures, Siemens.**
RESULT:	The document was **AGREED.**

N3-040473	**CR 29.163: Clarifications for Mn procedures for call hold. Siemens.**
RESULT:	The document was **POSTPONED to next meeting.**

10.4 Gq interface for Dynamic Policy control enhancements [QoS1]

N3-040473	**CR 29.163: Clarifications for Mn procedures for call hold. Siemens.**
RESULT:	The document was **POSTPONED to next meeting.**

N3-040481	**[CR 29.208] Using Diameter ASR only for session termination, Siemens.**
CONTENT:	The CR makes the following change. STR is only used if last PDP context is deleted. Otherwise, RAR is used with Gq specific Action INDICATION_OF_RELEASE_OF_BEARER.
DISCUSSION:	Concerns from Nortel that this CR does not follow the usual rules for DIAMETER.
	Open issue as to whether this solution is optional of mandated.
	The other technical changes were agreed. The issue of Optionality of AAR in response to RAR is covered in N3-040483.
RESULT:	The document was **REVISED to 0538.**

ß REVISED ß

N3-040538	**[CR 29.208] Using Diameter ASR only for session termination, Siemens.**
RESULT:	The document was **AGREED.**

N3-040482	**[CR 29.209] Using Diameter ASR only for session termination, Siemens.**
CONTENT:	STR is only used if last PDP context is deleted. Otherwise, RAR is used with new Gq specific Action value INDICATION_OF_RELEASE_OF_BEARER, which is introdruced.
DISCUSSION:	Need to consider the case when PDP context is related to several IMS sessions.
	Also need to modify clause 6.5.22.
RESULT:	The document was **REVISED to 0539.**

ß REVISED ß

N3-040539	**[CR 29.209] Using Diameter ASR only for session termination, Siemens.**
RESULT:	The document was **AGREED.**

N3-040483	**[CR 29.209] Usage of Diameter RAR, Siemens.**

DISCUSSION: Optionality of AAR in response to RAR unresolved. This was discussed offline.

It was agreed that AAR can be optional.

RESULT: The document was **REVISED to 0540.**

ß **REVISED** ß

N3-040540 **[CR 29.209] Usage of Diameter RAR, Siemens.**

RESULT: The document was **AGREED.**

N3-040484 **[CR 29.209] Usage of Diameter RAR Siemens.**

RESULT: The document was **WITHDRAWN.**

N3-040485 **[CR 29.207] Binding Information, Siemens.**

RESULT: The document was **REVISED to 0518 before presentation.**

ß **REVISED** ß

N3-040518 **[CR 29.207] Binding Information, Siemens.**

CONTENT: The Rules for assigning IP flows are extended to cover cases where the assumption of equal uplink and downlink port number order does not hold. The proposed extension is backward compatible with the old rules, thus supporting flow identifiers generated by Rel-5 UEs. An example, where the RTC 3605 a=rtcp SDP attribute is used, is added.

DISCUSSION: Introduced a new algorithm for Rel-6, that is backwards compatible with previous releases.

RESULT: The document was **AGREED.**

N3-040486 **[CR 29.207] Various Gq related corrections, Siemens.**

DISCUSSION: Nokia asked that 'shall' be removed in one area.

This contribution also overlaps with the Nokia contribution in N3-040498.

Some alternative text was added for the PDF authorization.

RESULT: The document was **MERGED with 0498 into 0541.**

ß **MERGED** ß

N3-040498 **[CR 29.207]-Rel6: SBLP decisions, Nokia.**

DISCUSSION: This contribution also overlaps with the Siemens contribution in N3-040486.

RESULT: The document was **MERGED with 0486 into 0541.**

ß **REVISED** ß

N3-040541 **[CR 29.207]-Rel6: SBLP decisions, Nokia and Siemens.**

RESULT: The document was **AGREED.**

N3-040488 **[CR 29.209] Encoding of RTCP flow indication, Siemens.**

RESULT: The document was **REVISED to 0529.**

ß **REVISED** ß

N3-040529 **[CR 29.209] Encoding of RTCP flow indication, Siemens.**

DISCUSSION: Correction to various type errors. Some wording improvements

RESULT: The document was **REVISED to 0545.**

ß **REVISED** ß

N3-040545   **[CR 29.209] Encoding of RTCP flow indication, Siemens.**

RESULT: The document was **AGREED.**

N3-040489   **[CR 29.208] Encoding of RTCP flow indication Siemens**

CONTENT: Rtcp_Flows AVP within Media_Component AVP is being replaced by new Flow_Usage AVP with Media_Subcomponent AVP.

DISCUSSION: Various editorial corrections.

RESULT: The document was **REVISED to 0546.**

ß **REVISED** ß

N3-040546   **[CR 29.208] Encoding of RTCP flow indication, Siemens.**

DISCUSSION: Strange quote marks in font – needs to be considered by the editor.

RESULT: The document was **AGREED.**

N3-040490   **[CR 29.209] Access-Network-Charging-Address AVP, Siemens.**

CONTENT: Access-Network-Charging-Address AVP is introduced to transport GGSN IP Address.

DISCUSSION: Question: do we need to send the GGSN address on the Gq interface.

Send LS to SA2 to obtain clarification on this [N3-040547].

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

ß **REVISED** ß

N3-040585   **[CR 29.209] Access-Network-Charging-Address AVP, Siemens.**

DISCUSSION: Has been updated to reflect the guidance given by SA2 in the LS [N3-040599].

RESULT: The document was **AGREED.**

N3-040547   **LS on sending the GGSN Address on the Gq interface, CN3.**

CONTENT: CN3 asks SA2 group to give guidance if sending the GGSN address via the Gq interface is required.

RESULT: The document was **APPROVED.**

N3-040599   **Re. LS from SA2 on sending the GGSN Address on the Gq interface, CN3.**

CONTENT: SA2 conclude that the provision of charging correlation information is only required in case the AF and the PDF belong to the same operator network. Therefore, SA2 sees no problem for the GGSN address to be sent to the AF as part of the charging correlation information, in case the Gq is an intra-operator interface. In case Gq is inter-operator, there is no need to pass charging correlation information (and hence the GGSN address) to the AF.

RESULT: The document was **NOTED.**

N3-040491   **[CR 29.209] Clarification on Usage of AVPs with Media_Component_Desription AVP, Siemens.**

CONTENT: In this CR, the information on Media-Sub Component level takes precedence.

DISCUSSION: Removal of duplicated text.

RESULT: The document was **REVISED to 0550.**

ß **REVISED** ß

N3-040550 **[CR 29.209] Clarification on Usage of AVPs with Media_Component_Desription AVP, Siemens.**

RESULT: The document was **AGREED.**

N3-040492 **[CR 29.209] Handling of Errors in Flow-Description AVP, Siemens.**

RESULT: The document was **AGREED.**

N3-040493 **[CR 29.209] Avoiding Race conditions at AF session modification, Siemens.**

RESULT: The document was **REVISED to 0525.**

ß REVISED ß

N3-040525 **[CR 29.209] Avoiding Race conditions at AF session modification, Siemens.**

CONTENT: The PDF shall pull for a subsequent bearer authorization request, if sufficient SBLP is not available.

DISCUSSION: Various editorial improvements

RESULT: The document was **REVISED to 0551.**

ß REVISED ß

N3-040551 **[CR 29.209] Avoiding Race conditions at AF session modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040499 **[CR 29.209] SBLP decisions in IMS, Nokia.**

CONTENT: New clause "SBLP Decisions in IMS" added.

DISCUSSION: Needs to be merged with Siemens contribution 0524.

RESULT: The document was **MERGED with 0524 into 0544.**

N3-040523 **[CR 29.209] IMS-specific procedures, Siemens.**

RESULT: The document was **REVISED to 0524.**

ß REVISED ß

N3-040524 **[CR 29.209] IMS-specific procedures, Siemens.**

CONTENT: Information from TS 29.207 is transferred to a new normative Annex A "IMS specific procedures" (compare to N3-040486). Additionally, some procedures are derived from IMS callflows in TS 29.208.

RESULT: The document was **MERGED with 0499 into 0544**

N3-040544 **[CR 29.209] IMS-specific procedures, Siemens, Nokia.**

RESULT: The document was **AGREED.**

N3-040500 **[CR 29.209] Editorial corrections to TS 29.209, Nokia.**

DISCUSSION: Some editorials, and a suggestion to re-order the text in alphabetical order.

RESULT: The document was **REVISED to 0553.**

ß REVISED ß

N3-040553 **[CR 29.209] Editorial corrections to TS 29.209, Nokia.**

RESULT: The document was **AGREED.**

N3-040501 **CR 29.207-Rel6: Clarification on handling forking responses, Nokia.**

CONTENT: Handling of forked responses is not described correctly in the specifications, leading to interpretations and non-compliant implementations.

DISCUSSION: Relates also to 0502.

RESULT: The document was **WITHDRAWN.**

N3-040502 **[CR 29.209] Clarification on handling forking responses, Nokia.**

CONTENT: A new subclause 5. 2.x is added to describe the handling of forked responses. References are updated.

DISCUSSION: Relates also to 0501. Need to find a simple solution for the QoS class mapping in the P-CSCF. This was examined offline. There is general support for this solution.

After the discussion Nokia agreed to support the Siemens solution (in 0519).

RESULT: The document was **WITHDRAWN.**

N3-040487 **[CR 29.209] Handling of SIP forking, Siemens.**

RESULT: The document was **REVISED to 0519 before the meeting.**

ß REVISED ß

N3-040519 **[CR 29.209] Handling of SIP forking, Siemens.**

CONTENT: Adds the handling for SIP forking.

DISCUSSION: Some editorials required harmonization of term "final response" or "final answer".

Do we keep forking in the PDF or outside of the PDF.

If it is indicated in the PDF this means we have forking in the Gq and the QoS parameters need to be updated. One advantage of indicating forking in the PDF is that the mapping can be re-used.

This issue was discussed offline between the two concerned parties.

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

ß REVISED ß

N3-040586 **[CR 29.209] Handling of SIP forking, Siemens.**

RESULT: The document was **AGREED.**

N3-040522 **[CR 29.209] Clarifications on Bandwidth AVPs, Siemens.**

CONTENT: Includes the IP layer and above to the bandwidth AVPs.

DISCUSSION: Minor wording improvement.

RESULT: The document was **REVISED to 0524.**

ß REVISED ß

N3-040554 **[CR 29.209] Clarifications on Bandwidth AVPs, Siemens.**

RESULT: The document was **AGREED.**

N3-040548 **[CR 29.208] Removal of Multiple tokens, Nokia.**

RESULT: The document was **WITHDRAWN.**

N3-040549 **[CR 29.208] Removal of Multiple tokens, Nokia.**

CONTENT: This CR removes Multiple Token feature

DISCUSSION: Reason for change is not correct. This CN3 change is linked to an SA2 agreed change. If this SA2 CR is not approved in Plenary we will need to re-visit this modification in the stage 3. the rapporteur will ensure that this is correct.

RESULT: The document was **AGREED.**

N3-040617 **Latest version of TS 29.209: Rapporteur.**

DISCUSSION: Clean version of 29.209v2.0.0 with accompanying cover sheet. To be sent to CN Plenary for approval.

RESULT: The document was **provided by email before Friday 27th Aug.**

N3-040615 **CR to 29.207-Rel6: accumulated CR for Gq impacts, CN3**

DISCUSSION: Changes have already been agreed in CN3.

RESULT: The document was **provided by email before Friday 27th Aug.**

N3-040616 **CR to 29.208-Rel6: accumulated CR for Gq impacts, CN3**

DISCUSSION: Changes have already been agreed in CN3.

RESULT: The document was **provided by email before Friday 27th Aug.**

10.5 Support of Presence Capability [PRESENC]

No input to this agenda item.

10.6 Multimedia Broadcast and Multicast Service [MBMS]

N3-040463 **CR 29.061: Scope update to include Gmb, Nortel Networks.**

CONTENT: Gmb is part of the scope of Gmb. Update of some references

DISCUSSION: Proposed to remove the word details as it is too restrictive. Update the draft reference to 17. Editorial in the reason for change. CR number needs to be added.

RESULT: The document was **REVISED to 0556.**

ß REVISED ß

N3-040556 **CR 29.061: Scope update to include Gmb, Nortel Networks.**

DISCUSSION: New reference already exists [40]. Duplication needs to be removed.

RESULT: The document was **REVISED to 0592.**

ß REVISED ß

N3-040592 **CR 29.061: Scope update to include Gmb, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040464 **CR 29.061: Gmb general corrections Nortel Networks**

CONTENT: General corrections to the existing Gmb text. Development of some of the AVPs that were left FFS in previous contributions due to lack of time

DISCUSSION: Need to indicate VOID for removed sub-clauses. CR number needs to be added. Need to reference TS.

RESULT: The document was **REVISED to 0557.**

ß **REVISED** ß

N3-040557 **CR 29.061: Gmb general corrections Nortel Networks**

DISCUSSION: Reference needs updating.

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

ß **REVISED** ß

N3-040593 **CR 29.061: Gmb general corrections Nortel Networks**

RESULT: The document was **AGREED.**

N3-040465 **CR 29.061: New Gmb specific AVPs, and new specific result-codes values. Nortel Networks.**

CONTENT: Introduces a new AVP introduced in AAA.

DISCUSSION: Corrections required to some minor type errors.

RESULT: The document was **REVISED to 0559.**

ß **REVISED** ß

N3-040559 **CR 29.061: New Gmb specific AVPs, and new specific result-codes values. Nortel Networks.**

DISCUSSION: Some minor editorials and improvements to text.

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

ß **REVISED** ß

N3-040594 **CR 29.061: New Gmb specific AVPs, and new specific result-codes values. Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040466 **Disc.: Gmb interface: Application id to be used, Nortel Networks.**

CONTENT: This contribution explains why Gmb can and must reuse NASREQ application id:

The document concludes that Use of NASREQ application-id (1) is the best practice according to Diameter rules. Nothing in the interface requests to have a new application-id.

NASREQ is the DIAMETER equivalent of RADIUS. A normal use of RADIUS is authorisation of unicast PDP Contexts, so it should be natural to use its successor NASREQ for authorisation of MBMS PDP Contexts.

It is proposed to fix the Gmb application-id to NASREQ (1)

DISCUSSION: Due to the modification of the round trip rules, CN3 agree to use a new application ID. Since there is now a new application ID, we can set the M-bit for the required AVPs.

RESULT: The document was **NOTED.**

N3-040467 **Disc.: Overlap of 3GPP VSA and some CN4 AVPs Nortel Networks**

CONTENT: This paper intends to clarify the situation on the use of Radius Vendor Specific Attributes in Gmb. Relates to the LS sent to CN4 from the last meeting.

DISCUSSION: The codes from 1 -255 are going to be freed for RADIUS. The situation is considered as resolved, and Nortel are in the process on producing the related CRs. It is noted that there CN4 do not intend a LS to CN3. They will however indicate the information to SA5.

CN4 has arranged their AVP so that each AVP code and 3GPP vendor specific id is unique regardless of the application id.

RESULT: The document was **NOTED.**

N3-040457 **Revised WID for MBMS, Ericsson.**

RESULT: The document was **REPLACED BY 0555.**

N3-040555 **Revised WID for MBMS, Ericsson.**

CONTENT: Contains the MBMS WID, what has been reviewed in CN1 and CN4.

DISCUSSION: CN3 believe that this work will be at least 80% complete by the end of this meeting so the completion date for CN3 (CRs to 29.061) can be moved forward to CN#25.

RESULT: The document was **REVISED to 0560.**

ß **REVISED** ß

N3-040560 **Revised WID for MBMS, Ericsson.**

CONTENT: Contains the MBMS WID, what has been reviewed in CN1 and CN4.

DISCUSSION: CN3 believe that this work will be at least 80% complete by the end of this meeting so the completion date for CN3 (CRs to 29.061) can be moved forward to CN#25.

The revised WID was endorsed by CN3, and forwarded (via company methods) to CN1.

RESULT: The document was **ENDORSED.**

N3-040561 **LS OUT on Request of Gmb Diameter code Values, CN3.**

CONTENT: CN3 have detected the need for a new Application-Id for the Rel-6 Gmb Diameter interface (specified in TS 29.061).

CN3 would also like to kindly inform CN4 about the need for a range of new AVPs and a range for new result codes for permanent failures for the Rel-6 Gmb interface.

RESULT: The document was **APPROVED.**

10.7   WLAN – UMTS Interworking [WLAN]

N3-040503 **Disc./TS 29.161-030: Wi scenarios, Nokia.**

CONTENT: Contains the latest version of 29.161. CN3 is requested to agree the attached draft TS 29.161 v.0.3.0 conditionally, the condition being the agreeing of the related tunnel establishment CRs by CN1.

The agreed TS 29.161 is requested to be sent to the CN#25 plenary (September 2004) for information and for approval.

DISCUSSION: There were some minor editorial and spelling errors that need correcting.

Check the additional information from the RADIUS (e.g. DNS address) interface and if it must be sent to UE. If 'yes' it must be added to the container defined by CN1.

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

ß **REVISED** ß

N3-040564 **Disc./TS 29.161-030: Wi scenarios, Nokia.**

DISCUSSION: Have to proceed with the assumption that CN1 related contributions will be approved in plenary. Minor editorial change. Also IP address needs to be corrected (in places) to IPv4.

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

ß REVISED ß

N3-040595 **Disc./TS 29.161‑030: Wi scenarios, Nokia.**

DISCUSSION: Aiming at conditional approval. Check CN1 CRs on Friday.

Conditional agreement depending on CN1 CRs. This information will be included in the coversheet when presented to CN Plenary.

This TS will be presented to Plenary for information and approval.

Nokia will provide a revised version including the cover page and a clean version of the specification.

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

ß REVISED ß

N3-040604 **Disc./TS 29.161‑030: Wi scenarios, Nokia.**

DISCUSSION: Clean version of 29.161v2.0.0 with accompanying cover sheet.

RESULT: The document was **provided by email before Friday 27th Aug.**

0604 is Conditionally AGREED.

10.8 Gx Interface

N3-040458 **First structure for 29.210 Nokia, Nortel Networks**

RESULT: The document was **AGREED.**

N3-040459 **CR 29.210: Gx specific AVPs Nokia, Nortel Networks**

CONTENT: Introduction of new clauses with the Gx specific AVPs identified.

DISCUSSION: Addition of editors note, various editorial corrections.

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

ß REVISED ß

N3-040565 **CR 29.210: Gx specific AVPs Nokia, Nortel Networks.**

DISCUSSION: Provide a table for the AVPs are referenced from other specifications.

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

ß REVISED ß

N3-040597 **CR 29.210: Gx specific AVPs Nokia, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040460 **CR 29.210: First content for 29.210 Nokia, Nortel Networks**

DISCUSSION: Various minor editorial corrections.

RESULT: The document was **REVISED to 0566.**

ß REVISED ß

N3-040566 **CR 29.210: First content for 29.210 Nokia, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040462 **Disc.: Gx reference point used together with Gy. Nortel Networks.**

CONTENT: The combination of Gy/Gx has an important number of advantages for the operators that can not be undervalue. The selection of DCC for Gx take all those into account and at the same time allows for a stand-alone deployment of the CRF without introducing any new standardization effort that those required for other protocols.

It is proposed to specify a protocol that allows Gx to be sent over Gy and at the same time is capable to support a CRF that may be independent from OCS. Diameter Credit Control has already been chosen for Gy, and therefore to achieve this goal, DCC is proposed for Gx.

DISCUSSION: CN3 agreed that the Gx will be based on DCC.

RESULT: The document was **NOTED.**

N3-040504 **CR 29.210: Gx charging key AVPs, Nokia.**

RESULT: The document was **AGREED.**

N3-040461 **CR 29.210: Diameter Credit Control Messages to convey the Gx specific AVPs Nortel Networks, Vodafone.**

CONTENT: The CR describes how DCC needs to be used to transport the Gx specific AVPs.

DISCUSSION: More detail is required to include AVP message descriptions.

Take the standalone as a starting point, then the combined case should be simple to add.

RESULT: The document was **MERGED with 0505 into 0567.**

N3-040505 **CR 29.210: Gx protocol and messages, Nokia.**

RESULT: The document was **MERGED with 0461 into 0567.**

N3-040567 **CR 29.210: Gx protocol and messages, Nokia, Nortel Networks, Vodafone.**

CONTENT: CR specifies the Gx messages.

DISCUSSION: Some minor corrections to text, Change to reference titles and missing references need to be added [TS 32.299]. Also DCC Application terminology needs to be aligned.

This is agreed on the understanding that it is a first step and provides only a partial solution. It provides a high level view, and CN3 will continue to progress the more detailed work through CRs.

Siemens has concerns as to whether the specific abort session commands from the DIAMETER base specification are required. Editors Note added stating the current set of messages is not finally agreed. It is expected that concerned companies bring contributions on the subjects to be completed.

Gx over Gy application still needs some work. Contributions expected at future meetings.

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

ß REVISED ß

N3-040605 **CR 29.210: Gx protocol and messages, Nokia, Nortel Networks, Vodafone.**

DISCUSSION: Minor editorials to be corrected by the editor.

RESULT: The document was **AGREED.**

N3-040612 **Latest version of TS 29.210: , Rapporteur.**

DISCUSSION: Clean version of 29.210v1.0.0 with accompanying cover sheet.

RESULT: The document was **provided by email before Friday 27th Aug.**

N3-040510 **CR 29.210: Gx service identity, Nokia.**

CONTENT: Service-Identifier AVP added to Charging Rule, identifies the service / service component the charging rule is applied to.

DISCUSSION: More stage 2 work is needed before CN3 can agree this CR. Missing service level behaviour in Stage 2 – what does this AVP trigger?

RESULT: The document was **REJECTED.**

N3-040526 **Discussion Document on Gx Reference point and use of Diameter Application Identifiers, Nokia.**

DISCUSSION: To allow the creation of a Gx interface that can be specified in a stand alone way and combined with other interfaces such as Gy (rel-6) and possibly Go in future releases.

The use of different application IDs for each combination is seen as the best way forward. In order to achieve the goal we must ensue that commands and flows are aligned so that these combinations can effectively be achieved.

Also we will need to request 2 new application IDs from IANA

- one for Gx

- one for combined Gx +Gy. (Note Gy is being specified by SA5)

RESULT: The document was **NOTED.**

10.9   Rx Interface

N3-040456 **Revised WID for Gq incl. Rx Ericsson, Nortel Networks**

RESULT: The document was **NOTED.**

N3-040470 **[Postponed from CN3#32] A proposed WID on Rx Reference point specification for flow based charging, Nortel Networks.**

CONTENT: Contains the proposed WID on Rx Reference point specification for flow based charging.

DISCUSSION: Clarifications have been received from SA2 (the use of Gq for Rx). This will be added to the CN3 WID.

Siemens and Ericsson added their support to this work item.

Javier offered to take the rapporteurship, but warned this may need to be reconsidered. Also the affect on 29.209 was added.

Nortel prefer to have Rx in Rel-6 and consider it as a reasonably small task.

Siemens have no strong preference for Rel-6 or Rel-7. Ericsson prefer to have Rx in Rel-6.

It was agreed to put Dec 2004 as the estimated completion date for the Rx, and ask CN to include this as an exception to be included in Rel-6.

Choice of adding new clauses to an existing TS or creating a new TS for the Rx. Nortel support having the RX included in TS29.209.

RESULT: The document was **REVISED to 0568.**

ß **REVISED** ß

N3-040568 **Proposed WID on Rx Reference point specification for flow based charging, Nortel Networks.**

DISCUSSION: Minor corrections to the text for improved clarity. Comments to be provided offline.

TSG details needs to be corrected.

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

ß **REVISED** ß

N3-040598 **Proposed WID on Rx Reference point specification for flow based charging, Nortel Networks.**

RESULT: The document was **AGREED.**

10.10 Technical Enhancements & Improvements [TEI6]

N3-040469 **CR 29.061: New sub-attributes 3GPP VSA passed on the Gi interface for charging purposes, Nortel Networks, Vodafone.**

CONTENT: This CR is aligned with a set of CRs that have been approved in recent meetings to allow operators to use the information provided in the RADIUS messages by the GGSN to perform authentication, authorization and billing functions.

DISCUSSION: Siemens objected to agreeing any of the charging related Gi CRs until the underlying principle that the Gi interface is further enhanced for charging was clarified via an LS to SA2, and requested all those CRs to be postponed till later in the week. The reply LS in N3-040600 received later in the week stated that CN3 has the prime responsibility for the detailed stage 2 and stage 3 work on Gi and that Gi should be enhanced for requirements derived from flow based charging, and also confirmed the specific requirements underlying the CR in N3-040469. After receiving the reply LS in N3-040600, Siemens supported the CR.

RESULT: The document was **AGREED.**

N3-040569 **LS to SA2 on the evolution of the Gi Radius interface for charging purposes, CN3.**

CONTENT: CN3 asks SA2 to clarify the openness of the Gi interface for AAA purposes in general, and especially concerning the above mentioned parameters. Further, CN3 asks SA2 to consider, whether the stage 2 description TS 23.125 should be updated to clearly indicate the degree of openness/closeness of the interface for the future stage 3 work. CN3 also asks SA2 whether they have an intention of detailing the information to be conveyed on the Radius interface of the Gi interface.

DISCUSSION: Some modifications to the text to improve clarity. Also the action needs to be made clearer.

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

ß **REVISED** ß

N3-040572 **LS to SA2 on the evolution of the Gi Radius interface for charging purposes, CN3.**

DISCUSSION: Editorial improvements.

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

ß **REVISED** ß

N3-040573 **LS to SA2 on the evolution of the Gi Radius interface for charging purposes, CN3.**

RESULT: The document was **APPROVED.**

N3-040600 **LS from SA2 on the evolution of the Gi Radius interface for charging purposes, CN3.**

CONTENT: **[Reply to 0573]** SA2 provides guidance to CN3s questions.

DISCUSSION: CN3 agree to use this LS for guidance. SA2 ask us to agree a list of parameters.

CN3 will discuss the issue in the email exploder. Companies are invited to discuss the issues with their SA2 colleagues

RESULT: The document was **NOTED.**

N3-040494 **CR 29.061: RADIUS Enhancements on the Gi to enable QoS correlation, Siemens.**

RESULT: The document was **WITHDRAWN.**

N3-040507 **Disc.: RADIUS enhancements on the Gi interface, Nokia, Vodafone, Nortel Networks, Ericsson.**

CONTENT: **The document proposes:** The minimum set of information required to be sent out of the Gi interface seems to be the TFT filters, and further, the sending of this information seems to be acceptable by all companies.

Therefore, it is proposed that the updated CR in tdoc N3-040508, corresponding to the originally in CN3#31 clarified principle and content to send the TFT filters in *Accounting-Request START* and *Accounting-Request Interim-Update* messages, is agreed.

The sending of any other parameters should not any further delay the handling and approval of the CR adding the sending of the TFT filters. The sending of any other parameters should be handled as a separate issue.

RESULT: The document was **NOTED.**

N3-040508 **CR 29.061: RADIUS enhancements on the Gi interface, Nokia, Vodafone, Nortel Networks, Ericsson.**

CONTENT: In order to allow the operator to correlate QoS with the appropriate session, additional information is exported on the GGSN RADIUS interface.

DISCUSSION: Siemens concerns:

- The meaning of the TFTs is unclear, if passed as received from the UE to the RADUIS interface. (Received with an add/delete modifier).
- Encoding rules out passing uplink filters, direction attribute is required. (Note: however direction is not needed for TFT filters)

RESULT: The document was **POSTPONED to next CN3 meeting.**

ß REVISED ß

N3-040570 **CR 29.061: RADIUS enhancements on the Gi interface, Nokia, Vodafone, Nortel Networks, Ericsson.**

RESULT: The document was **WITHDRAWN.**

N3-040506 **CR 29.007: Handover from UMTS to GSM, Nokia.**

RESULT: The document was **WITHDRAWN.**

N3-040520 **CR 23.910: Nb transport for handover between UMTS and GSM Siemens**

RESULT: The document was **REVISED to 0527.**

ß REVISED ß

N3-040527 **CR 23.910: Nb transport for handover between UMTS and GSM Siemens.**

CONTENT: Packet transport is described for Inter-MSC Handover GSM <-> UMTS and vice versa, packet transport. This is done in a similar manner as for Inter-MSC Handover with Iu Interfaces.

DISCUSSION: Does not make sense to update the TR if we do not check that it covers all the CRs that have been made.

Ericsson could not agree to carrying this TR to Rel-6. Suggested putting the useful text from the TR into 29.007.

The issue of changes to this TR is postponed to future CN3 meetings.

RESULT: The document was **POSTPONED to a future meetings.**

N3-040521 **CR 29.007: Nb transport for handover between UMTS and GSM Siemens.**

RESULT: The document was **REVISED to 0528.**

ß REVISED ß

N3-040528 **CR 29.007: Nb transport for handover between UMTS and GSM, Siemens.**

CONTENT: Transport and Mc Configuration for IP or ATM not clearly specified for Inter-MSC Handover GSM <-> UMTS and vice versa, and GSM -> GSM. For non-64kbit transparent CS data calls, bandwidth information is missing at IWF. This CR provides a solution to these issues in Rel-6.

DISCUSSION: Ericsson supports most of these changes, however in the 64K transparent case the PLMN BC indication should not be sent. Therefore 2 notes need to be added in order to explain that this is optional for T1 (a) and T2.

1- PLMN-BC is optional for 64K

2- UDI only required if PLMN-BC is not sent. For T1(A) and T2.

Some editorial corrections required.

Also the reason for change needs to be modified on the cover page depending on whether it is a change for Rel06 or for previous releases.

The issue of Release was raised by Ericsson, who would like to see a solution provided for Rel4 and onwards.

Postponed due to lack of time

RESULT: The document was **POSTPONED to next meeting.**

N3-040511 **Disc.: RADIUS Enhancements, Cisco Systems, Siemens and Orange.**

CONTENT: Since the specification the RADIUS interface for the GGSN in CN3, this interface has been considerably enhanced. This document proposes to add more enhancements in line with the standardisation work achieved so far.

It is proposed to consider the following CR (N3-040512, N3-050513, N3-050514) to enhance the RADIUS interface with more information, in line with the RADIUS enhancements specified by CN3.

RESULT: The document was **NOTED.**

N3-040512 **CR 29.061: RADIUS Enhancements on the Gi interface to enable QoS correlation CN3, Cisco Systems, Siemens, Orange.**

CONTENT: This CR was seen in CN#24 and not approved. It was sent back to CN3 for further study.

RESULT: The document was **POSTPONED to next CN3 meeting.**

N3-040513 **CR 29.061: RADIUS enhancement for QoS information Cisco Systems, Siemens, Orange.**

CONTENT: Defines three new 3GPP Vendor Specific Attributes are defined:

3GPP-Negotiated-DSCP: the GGSN will mark the user packet with a DSCP corresponding to a internal mapping (e.g. UMTS classes to DSCP mapping). This attribute contains the DSCP used by the GGSN to mark this PDP context.

This attributes can optionally be sent in the Access Request, Accounting Request START, Interim-Update, and STOP messages.

RESULT: The document was **POSTPONED to next CN3 meeting.**

N3-040514 **CR 29.061: RADIUS enhancement for Billing correlation, Cisco Systems, Siemens, Orange.**

CONTENT: To export the required information, three new 3GPP Vendor Specific Attributes are defined:

- *3GPP-ICID*: this attribute contains the IMS Charging ID for this PDP context

This attributes can optionally be sent in the Access Request, Accounting Request START, Interim-Update, and STOP messages.

DISCUSSION: ICID is sent over the GI only if you use charging correlation. This has been agreed in SA2 and needs to be added to the stage 3.

RESULT: The document was **REVISED to 0571.**

ß REVISED ß

N3-040571 **CR 29.061: RADIUS enhancement for Billing correlation, Cisco Systems, Siemens, Orange.**

RESULT: The document was **POSTPONED to next CN3 meeting.**

N3-040515 **[Postponed from CN3#32] CR 23.172: Interaction of CAMEL with Service Change Ericsson**

CONTENT: The description of the interaction between the Service Change procedure and CAMEL is added.

RESULT: The document was **AGREED.**

10.11 Other Rel-6 Work Items

No input to this agenda item.

11 Release 7

11.1 New Work Items

N3-040452 **[Postponed from CN3#32] WID: DIAMETER on the PDG Wi interface, T-Mobile.**

CONTENT: Contains the draft WID for DIAMETER on the PDG WI interface.

DISCUSSION: No impact on 29.061 for this WID.

This is a Rel-7 WID, and the planned completion date is September 2005 [NP#29]

Addition of Nortel, and Cisco to the supporting companies.

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

ß REVISED ß

N3-040574 **WID: DIAMETER on the PDG Wi interface, T-Mobile.**

DISCUSSION: No impact on 29.061 for this WID – this still needs to be updated.

Also the subject of changes in 29.161 needs to be inserted (not the TS Title).

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

ß REVISED ß

N3-040601   **WID: DIAMETER on the PDG Wi interface, T-Mobile.**

RESULT: The document was **AGREED.**

N3-040453   **[Postponed from CN3#32] WID: DIAMETER on the GGSN Gi interface, T-Mobile.**

CONTENT: Contains the draft WID for DIAMETER on the GGSN Gi interface.

DISCUSSION: This is a Rel-7 WID, and the planned completion date is September 2005 [NP#29]

        No parent feature for this building block. Can be put under TEI

        Change to title of change to 29.061.

        Siemens added their support, Cisco and Nortel added their support for this WID.

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

ß **REVISED** ß

N3-040575   **WID: DIAMETER on the GGSN Gi interface, T-Mobile.**

DISCUSSION: Updates to linked work items and parent feature (TEI7)

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

ß **REVISED** ß

N3-040602   **WID: DIAMETER on the GGSN Gi interface, T-Mobile.**

RESULT: The document was **AGREED.**

N3-040471   **Disc.: Use of NASREQ for Gi, Nortel Networks.**

CONTENT: In the path of migrating Gi Radius to Diameter, it is proposed to use NASREQ for the number of advantages listed above. Furthermore, the starting point should be application of the RADIUS/DIAMETER translation rules to the existing Gi RADIUS interface.

        Although this may seem a premature discussion, it is good to have an idea of the direction we want to give to our architecture, so we achieve a better, more coherent overall solution.

DISCUSSION: Siemens supported the principle. This will be used as a basis for future work on this Work Item.

RESULT: The document was **NOTED.**

N3-040478   **WID – Protocol impact from providing IMS services via fixed broadband, Siemens.**

CONTENT: During the 3GPP-TISPAN workshop on NGN in June 3GPP and TISPAN agreed to collaborate on the issue of IMS via fixed broadband. This work item will provide for the necessary CN wide stage-3 changes in IMS specifications.

DISCUSSION: Will also impact 29.163. Siemens will feed this information back to CN1.

RESULT: The document was **ENDORSED.**

N3-040509   **WID: CS Video and Voice Service upgrade for ISUP and BICC, Nokia.**

CONTENT: The objective is to define required parameters for codec negotiation / service swapping to be transported between PLMNs through ISUP using the ISUP Application Transport mechanism, and to map the added parameters to the PLMN call control signaling.

DISCUSSION: There would be some involvement with the ITU-T, and this would probably effect the completion date.

        Use of ISUP to be discussed in SA2. Charging impacts (ISUP interworking with other networks).

RESULT: The document was **NOTED.**

12 Joint sessions

NOT FORESEEN AT THE MOMENT

Joint sessions took not place.

13 Work Organization

13.1 Work Plan Review

N3-040543   3GPP WorkPlan, MCC.

DISCUSSION: MCC will update the work plan with the changes agreed in this meeting and present to CN3 chair before presentation to the CN Plenary.

RESULT: The document was **NOTED.**

13.2 Specification Review

N3-040437   Status of CN3's specifications, MCC.

DISCUSSION: The following changes to Rapporteurs:

Anna SILLANPÄÄ (Nokia) is the rapporteur for 29.209.

Thomas Belling (Siemens) will take 29.007.

24.022 is still open.

RESULT: The document was **NOTED.**

13.3 Next meetings, allocation of hosts

N3-040542   Meeting Dates for 2004 / 2005, MCC.

DISCUSSION: CN3 can agree to the proposed dates and have no preferences on the dates.

Agreed to add N3#33bis meeting 4th – 7th October 2004.

The scope of this meeting will be "principally Rx, Gx. With a limited time slot for Gq, MBMS, and Ipv4/v6interworking.

RESULT: The document was **NOTED.**

Sep 2004				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN#25	OR	8 - 10 Sep 2004	Palm Springs	US

Nov 2004				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN3#34	WG	15 - 19 Nov 2004	Seoul	KR

Dec 2004				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN#26	OR	8 - 10 Dec 2004	Athens	GR

Feb 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN3#35	WG	14 - 18 Feb 2005	TBD (possibly Australia)	ASIA

Mar 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN#27	OR	9 - 11 Mar 2005	Tokyo	JP

Apr 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN3#36	WG	25 - 30 Apr 2005	TBD (possibly Cancun)	USA

Jun 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN#28	OR	1 - 3 Jun 2005	Quebec	CA

Aug 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN3#37	WG	22 - 26 Aug 2005	TBD, poss. EU	

Sep 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN#29	OR	21 - 23 Sep 2005	EU	EU

Nov 2005				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN3#38	WG	7 - 12 Nov 2005 Poss. Shift to Oct 31-Nov 4	EU	EU
3GPPCN#30	OR	30 Nov - 2 Dec 2005 Poss. Shift to Oct 31-Nov 4	EU	EU

Mar 2006				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN#31	OR	8 - 10 Mar 2006	CHINA	CN

14 Summary of results

N3-040576   **MBMS: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Minor editorial (remove brief description)

                Issue 1 – remove IANA as it is not a blocking issue.

                Change to 85% complete.

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

ß Revised ß

N3-040606   **MBMS: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED.**

N3-040577   **Gq interface: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: 85% complete.

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

ß Revised ß

N3-040607   **Gq interface: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED.**

N3-040578   **Gx interface: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Modify to 50% complete.

                Change develop to complete.

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

ß Revised ß

N3-040613   **Gx interface: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED.**

N3-040579   **IMS – IP interworking: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Modify to 70% complete.

                Rewording of the outstanding issues to include IPv4/IPv6

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

ß Revised ß

N3-040611   **IMS – IP interworking: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED.**

N3-040580   **WLAN: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Remove the outstanding issues.

                Modify to 95% complete.

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

ß Revised ß

N3-040608   **WLAN: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED.**

N3-040581   **IMS – CS interworking: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Minor modification to text to reflect the fact that no exception is required.

RESULT: The document was **REVISED to 0609.**

ß REVISED ß

N3-040609   **IMS – CS interworking: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED**

N3-040582   **Rx interface: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Clarifications to the outstanding issues.

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

ß REVISED ß

N3-040614   **IMS – CS interworking: Outstanding issues for Rel-6, Rapporteur.**

RESULT: The document was **AGREED.**

N3-040583   **Presence: Outstanding issues for Rel-6, Rapporteur.**

DISCUSSION: Agreed to have approval for PRESENCE at the December Plenary (no Document was produced).

RESULT: The document was **WITHDRAWN.**

14.1   Work Items

The following WIDs were AGREED by CN3, and will be presented to the next CN Plenary for APPROVAL.

Tdoc	Title	Release	Source
N3-040598	WID for "Rx Reference point specification for flow based charging"	Rel-6	Nortel Networks
N3-040601	WID for "DIAMETER on the PDG Wi interface"	Rel-7	T-Mobile
N3-040602	WID for "DIAMETER on the GGSN Gi interface"	Rel-7	T-Mobile

14.2   Liaison Statements

The following LSs were approved by CN3, and will be presented to the next CN Plenary for INFO.

Tdoc	Title	LS To	LS Cc	Attach.
N3-040531	LS on Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gq interface	CN4	-	-
N3-040547	LS on sending the GGSN Address on the Gq interface	SA2	SA5	-
N3-040561	LS on Request of Gmb Diameter code Values	CN4	-	-
N3-040573	LS on the evolution of the Gi Radius interface for charging purposes	SA2	-	-
N3-040584	LS on Early media session establishment in IMS	SA2	CN1	-

14.3   TRs / TSs

The following TSs were AGREED by CN3, and will be presented to the next CN Plenary for INFO.

Tdoc	Title	WI	Rel	In Plenary
N3-040610	TS 29.162 v1.0.0. interworking between the IM CN subsystem and IP networks (for info.)	IMS-CCR-IWIP	Rel-6	Info.
N3-040612	TS 29.210 v1.0.0 Charging rule provisioning over Gx interface (for info.)	Gx	Rel-6	Info.

The following TSs were AGREED by CN3, and will be presented to the next CN Plenary for APPROVAL.

Tdoc	Title	WI	Rel	In Plenary
N3-040604	TS 29.161 v1.0.0 Interworking between (PLMN) supporting packet based services with WLAN Access and (PDN) (for info. and approval)	WLAN	Rel-6	Info. And Approval
N3-040617	TS 29.209 v2.0.0 Policy control over Gq interface (for approval)	QoS1	Rel-6	Approval

14.4 Change Requests

The following CRs were AGREED by CN3, and will be presented to the next CN Plenary for APPROVAL.

Tdoc	Title	Spec	CR	Rev	Cat	Rel	C_Ver	Work Item
N3-040469	New sub-attributes 3GPP VSA passed on the Gi interface for charging purposes	29.061	122	-	B	Rel-6	6.1.0	CH
N3-040515	Interaction of CAMEL with Service Change	23.172	027	-	F	Rel-6	6.0.0	TEI_6
N3-040587	COPS DEC message handling	29.207	131	2	F	Rel-5	5.8.0	E2EQoS
N3-040588	COPS DEC message handling	29.207	132	2	A	Rel-6	6.0.0	E2EQoS
N3-040589	COPS-PR "Request State" flag not set for authorization failure decision	29.207	133	2	F	Rel-5	5.8.0	E2EQoS
N3-040590	COPS-PR "Request State" flag not set for authorization failure decision	29.207	134	2	A	Rel-6	6.0.0	E2EQoS
N3-040591	Corrections to AMR codec parameter translations	29.163	050	3	F	Rel-6	6.3.0	IMS-CCR-IWCS
N3-040592	Scope update to include Gmb	29.061	119	2	B	Rel-6	6.1.0	MBMS
N3-040593	Gmb general corrections	29.061	120	2	B	Rel-6	6.1.0	MBMS
N3-040594	New Gmb specific AVPs, and new specific result-codes values.	29.061	121	2	B	Rel-6	6.1.0	MBMS
N3-040603	Non call-related Mn procedures	29.163	048	2	F	Rel-6	6.3.0	IMS-CCR-Mn

14.5 Other

None.

16 Any other business

17 Close of meeting

The CN3 Chairman closed the meeting on Friday 20th 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

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Annex B: List of documents

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040427	1	Agenda	Draft Agenda for CN3#33	CN3 Chair							Approved
N3-040428	3	DAD	Allocation of documents to agenda items (at deadline)	CN3 Chair							Noted
N3-040429	2	DAD	Allocation of documents to agenda items (end of Day1)	CN3 Chair							Noted
N3-040430	2	DAD	Allocation of documents to agenda items (at end of Day2)	CN3 Chair							Noted
N3-040431	2	DAD	Allocation of documents to agenda items (at end of Day3)	CN3 Chair							Noted
N3-040432	2	DAD	Allocation of documents to agenda items (at end of Day4)	CN3 Chair							Noted
N3-040433	2	DAD	Allocation of documents to agenda items (at end of Day5)	CN3 Chair							Noted
N3-040434	4.1	Report	Draft Report from CN3#32	MCC							Approved
N3-040435	4.2	Report	Brief notice from CN#24 relevant for CN3	former CN3 Chair							Noted
N3-040436	4.2	Report	Email with Highlights of CN#24/SA#24	CN Chair							Noted
N3-040437	12.2	Report	Status of CN3 specifications following CN_24 meeting	MCC							Noted
N3-040438		LS in	LS on Assignment of the Diameter codes and identifiers	TSG SA WG5							Noted
N3-040439		LS in	Reply LS on Generation of multiple authorization tokens	TSG SA WG2							Noted
N3-040440		LS in	Response to RAN3 Multicast and Broadcast service info to the RAN	TSG SA WG2							Noted
N3-040441		LS in	LS on Early media session establishment in IMS	TSG SA WG2							Noted
N3-040442		LS in	Reply LS on "Interworking with non-IMS SIP UEs (precondition fallback)"	TSG SA WG2							Noted
N3-040443		LS in	IP-CAN transport for additional IMS capabilities	TSG CN WG1							Noted
N3-040444		LS in	Reply to LS on Early media session establishment in IMS	TSG CN WG1							Noted
N3-040445		LS in	LS on Interactive Channel through the GPRS for DVB	TSG GERAN							Noted

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040446		LS in	Interworking with non-IMS SIP UEs (precondition fallback)	TSG CN WG1							Noted
N3-040447		LS in	LS on Assignment of the Diameter codes and identifiers	TSG CN WG4							Noted
N3-040448		LS in	Reply LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0	TSG SA WG3							Noted
N3-040449		LS in	Postponed from CN3#32 Request for comments	Wi-Fi Alliance							Noted
N3-040450		LS in	[Postponed from CN3#32] LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0	TSG SA WG2							Noted
N3-040451		LS in	[Postponed from CN3#32] Reply LS to Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0	TSG SA WG2							Noted
N3-040452	11.1	WID	DIAMETER on the PDG Wi interface	T-Mobile							Revised in N3-040574
N3-040453	11.1	WID	DIAMETER on the GGSN Gi interface	T-Mobile							Revised in N3-040575
N3-040454	10.1	[CR]	Rel-6 version of TS29.162 incl. Ipv4/v6 interworking	Ericsson							Revised in N3-040537
N3-040455	10.2	CR	Comments on TS29.163	Ericsson	IMS-CCR-IWCS	29.163	047	0	F	Rel-6	Withdrawn
N3-040456	10.9	WID	Revised WID for Gq incl. Rx	Ericsson							Noted
N3-040457	10.6	WID	Revised WID for MBMS	Ericsson							Noted
N3-040458	10.8	[CR]	First structure for 29.210	Nokia, Nortel Networks							Agreed
N3-040459	10.8	[CR]	Gx specific AVPs	Nokia, Nortel Networks							Revised in N3-040565
N3-040460	10.8	[CR]	First content for 29.210	Nokia, Nortel Networks							Revised in N3-040566
N3-040461	10.8	[CR]	Diameter Credit Control Messages to convey the Gx specific AVPs	Nortel Networks, Vodafone							Merged
N3-040462	10.8	Discussion	Gx reference point used together with Gy.	Nortel Networks							Noted
N3-040463	10.6	CR	Scope update to include Gmb	Nortel Networks	MBMS	29.061	119	0	B	Rel-6	Revised in N3-040556

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040464	10.6	CR	Gmb general corrections	Nortel Networks	MBMS	29.061	120	0	B	Rel-6	Revised in N3-040557
N3-040465	10.6	CR	New Gmb specific AVPs, and new specific result-codes values.	Nortel Networks	MBMS	29.061	121	0	B	Rel-6	Revised in N3-040559
N3-040466	10.6	Discussion	Gmb interface: Application id to be used	Nortel Networks							Noted
N3-040467	10.6	Discussion	Overlap of 3GPP VSA and some CN4 AVPs	Nortel Networks							Noted
N3-040468	8.2	Discussion	GSM Channel Coding and Handover from UMTS to GSM	Nortel Networks							Noted
N3-040469	10.11	CR	New sub-attributes 3GPP VSA passed on the Gi interface for charging purposes	Nortel Networks, Vodafone	CH	29.061	122	0	B	Rel-6	Agreed
N3-040470	10.9	WID	A proposed WID on Rx Reference point specification for flow based charging	Nortel Networks							Revised in N3-040568
N3-040471	11	Discussion	Use of NASREQ for Gi.								Noted
N3-040472	10.3	CR	Non call-related Mn procedures	Siemens	IMS-CCR-Mn	29.163	048	0	F	Rel-6	Revised in N3-040563
N3-040473	10.3	CR	Clarifications for Mn procedures for call hold.	Siemens	IMS-CCR-Mn	29.163	049	0	F	Rel-6	Postponed
N3-040474	9.1	CR	COPS DEC message handling	Siemens	E2EQoS	29.207	131	0	F	Rel-5	Revised in N3-040532
N3-040475	9.1	CR	COPS DEC message handling	Siemens	E2EQoS	29.207	132	0	A	Rel-6	Revised in N3-040533
N3-040476	9.1	CR	COPS-PR "Request State" flag not set for authorization failure decision	Siemens	E2EQoS	29.207	133	0	F	Rel-5	Revised in N3-040534
N3-040477	9.1	CR	COPS-PR "Request State" flag not set for authorization failure decision	Siemens	E2EQoS	29.207	134	0	A	Rel-6	Revised in N3-040535
N3-040478	11.1	WID	New Workitem for stage 3 of TISPAN impacts to IMS	Siemens							Endorsed
N3-040479	8.2	CR	Nb transport for handover between UMTS and GSM	Siemens	CS Data	29.007	100	0	F	Rel-4	Revised in N3-040516
N3-040480	8.2	CR	Nb transport for handover between UMTS and GSM	Siemens	CS Data	29.007	101	0	A	Rel-5	Revised in N3-040517
N3-040481	10.4	[CR]	[CR 29.208] Using Diameter ASR only for session termination	Siemens							Revised in N3-040538
N3-040482	10.4	[CR]	[CR 29.209] Using Diameter ASR only for session termination	Siemens							Revised in N3-040539

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040483	10.4	[CR]	[CR 29.209] Usage of Diameter RAR	Siemens							Revised in N3-040540
N3-040484	10.4	[CR]	[CR 29.209] Usage of Diameter RAR	Siemens							Withdrawn
N3-040485	10.4	[CR]	[CR 29.207] Binding Information	Siemens							Revised in N3-040518
N3-040486	10.4	[CR]	[CR 29.207] Various Gq related corrections	Siemens							Revised in N3-040541
N3-040487	10.4	[CR]	[CR 29.209] Handling of SIP forking	Siemens							Revised in N3-040519
N3-040488	10.4	[CR]	[CR 29.209] Encoding of RTCP flow indication	Siemens							Revised in N3-040529
N3-040489	10.4	[CR]	[CR 29.208] Encoding of RTCP flow indication	Siemens							Revised in N3-040546
N3-040490	10.4	[CR]	[CR 29.209] Access-Network-Charging-Address AVP	Siemens							Revised in N3-040585
N3-040491	10.4	[CR]	[CR 29.209] Clarification on Usage of AVPs with Media_Component_Desription AVP	Siemens							Revised in N3-040550
N3-040492	10.4	[CR]	[CR 29.209] Handling of Errors in Flow-Description AVP	Siemens							Agreed
N3-040493	10.4	[CR]	[CR 29.209] Avoiding Race conditions at AF session modification	Siemens							Revised in N3-040525
N3-040494	10.8	CR	RADIUS Enhancements on the Gi interface to enable QoS correlation	Siemens	TEI-6	29.061	123	0	F	Rel-6	Withdrawn
N3-040495	10.2	CR	Corrections to AMR codec parameter translations	Lucent Technologies	IMS-CCR-IWCS	29.163	050	0	F	Rel-6	Revised in N3-040552
N3-040496	10.2	CR	DTMF towards IM CN subsystem	Lucent Technologies	IMS-CCR-IWCS	29.163	051	0	C	Rel-6	Rejected
N3-040497	10.2	CR	Application to other SIP profiles	Lucent Technologies	IMS-CCR-IWCS	29.163	052	0	D	Rel-6	Withdrawn
N3-040498	10.4	CR	SBLP decisions	Nokia	QoS1	29.207	135	0	B	Rel-6	Merged
N3-040499	10.4	[CR]	SBLP decisions in IMS	Nokia							Revised in N3-040544
N3-040500	10.4	[CR]	Editorial corrections to TS 29.209	Nokia							Revised in N3-040553

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040501	10.4	CR	Clarification on handling forking responses	Nokia	QoS1	29.207	136	0	F	Rel-6	Withdrawn
N3-040502	10.4	[CR]	Clarification on handling forking responses	Nokia							Withdrawn
N3-040503	10.7	[CR]	Wi scenarios	Nokia							Revised in N3-040564
N3-040504	10.8	[CR]	Gx charging key AVPs	Nokia							Agreed
N3-040505	10.8	[CR]	Gx protocol and messages	Nokia							Revised in N3-040567
N3-040506	10.10	CR	Handover from UMTS to GSM	Nokia	TEI	29.007	102	0	F	Rel-6	Withdrawn
N3-040507	10.10	Discussion	RADIUS enhancements on the Gi interface	Nokia							Noted
N3-040508	10.10	CR	RADIUS enhancements on the Gi interface	Nokia	TEI	29.061	124	0	B	Rel-6	POSTPONED to next CN3 meeting
N3-040509	11.1	WID	CS Video and Voice Service upgrade for ISUP and BICC	Nokia							Noted
N3-040510	10.8	[CR]	Gx service identity	Nokia							Rejected
N3-040511	10.10	Discussion	RADIUS Enhancements	Cisco Systems, Siemens and Orange							Noted
N3-040512	10.10	CR	RADIUS Enhancements on the Gi interface to enable QoS correlation	Cisco Systems, Siemens and Orange	TEI	29.061	125	0		Rel-6	POSTPONED to next CN3 meeting
N3-040513	10.10	CR	RADIUS enhancement for QoS information	Cisco Systems	TEI	29.061	126	0		Rel-6	POSTPONED to next CN3 meeting
N3-040514	10.10	CR	RADIUS enhancement for Billing correlation	Cisco Systems	TEI	29.061	127	0		Rel-6	Revised in N3-040571
N3-040515	10.10	CR	Interaction of CAMEL with Service Change	Ericsson	TEI_6	23.172	027	0	F	Rel-6	Agreed
N3-040516	8.2	CR	Nb transport for handover between UMTS and GSM	Siemens	CS Data	29.007	100	1	F	Rel-4	POSTPONED to next CN3 meeting
N3-040517	8.2	CR	Nb transport for handover between UMTS and GSM	Siemens	CS Data	29.007	101	1	A	Rel-5	POSTPONED to next CN3 meeting
N3-040518	10.4	[CR]	[CR 29.207] Binding Information	Siemens							Agreed

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040519	10.4	[CR]	[CR 29.209] Handling of SIP forking	Siemens							Revised in N3-040586
N3-040520	10.8	CR	Nb transport for handover between UMTS and GSM	Siemens	TEI-6	23.910	048	0	B	Rel-4	Revised in N3-040527
N3-040521	10.8	CR	Nb transport for handover between UMTS and GSM	Siemens	TEI-6	29.007	103	0	B	Rel-5	Revised in N3-040528
N3-040522	10.4	[CR]	[CR 29.209] Clarifications on Bandwidth AVPs	Siemens							Revised in N3-040554
N3-040523	10.4	[CR]	[CR 29.209] IMS-specific procedures	Siemens							Revised in N3-040524
N3-040524	10.4	[CR]	[CR 29.209] IMS-specific procedures	Siemens							Merged
N3-040525	10.4	[CR]	[CR 29.209] Avoiding Race conditions at AF session modification	Siemens							Revised in N3-040551
N3-040526	10.8	Discussion	Gx Reference point and use of Diameter Application Identifiers	nokia							Noted
N3-040527	10.8	CR	Nb transport for handover between UMTS and GSM	Siemens	TEI-6	23.910	048	1	B	Rel-4	Postponed
N3-040528	10.8	CR	Nb transport for handover between UMTS and GSM	Siemens	TEI-6	29.007	103	1	B	Rel-5	Postponed
N3-040529	10.4	[CR]	[CR 29.209] Encoding of RTCP flow indication	Siemens							Revised in N3-040545
N3-040530		LS out	LS to SA2	CN3							Revised in N3-040584
N3-040531		LS out	Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gq interface	CN3							Approved
N3-040532	9.1	CR	COPS DEC message handling	Siemens	E2EQoS	29.207	131	1	F	Rel-5	Revised in N3-040587
N3-040533	9.1	CR	COPS DEC message handling	Siemens	E2EQoS	29.207	132	1	A	Rel-6	Revised in N3-040588
N3-040534	9.1	CR	COPS-PR "Request State" flag not set for authorization failure decision	Siemens	E2EQoS	29.207	133	1	F	Rel-5	Revised in N3-040589
N3-040535	9.1	CR	COPS-PR "Request State" flag not set for authorization failure decision	Siemens	E2EQoS	29.207	134	1	A	Rel-6	Revised in N3-040590
N3-040536	10.1	Discussion	CN1 CR on Interworking with IP version 4 Networks	Nokia							Noted

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
N3-040537	10.1	[CR]	Rel-6 version of TS29.162 incl. Ipv4/v6 interworking	Ericsson							Revised in N3-040596
N3-040538	10.4	[CR]	[CR 29.208] Using Diameter ASR only for session termination	Siemens							Agreed
N3-040539	10.4	[CR]	[CR 29.209] Using Diameter ASR only for session termination	Siemens							Agreed
N3-040540	10.4	[CR]	[CR 29.209] Usage of Diameter RAR	Siemens							Agreed
N3-040541	10.4	[CR]	[CR 29.207] Various Gq related corrections	Siemens, Nokia							Agreed
N3-040542	14.3	Calendar	Meeting Calendar	MCC							Noted
N3-040543	13.1	WorkPlan	3GPP WorkPlan	MCC							Noted
N3-040544	10.4	[CR]	SBLP decisions in IMS	Nokia							Agreed
N3-040545	10.4	[CR]	[CR 29.209] Encoding of RTCP flow indication	Siemens							Agreed
N3-040546	10.4	[CR]	[CR 29.208] Encoding of RTCP flow indication	Siemens							Agreed
N3-040547	10.3	LS out	LS on sending the GGSN Address on the Gq interface	CN3							Approved
N3-040548	10.3	[CR]	[CR 29.207] Removal of Multiple tokens	Nokia							Withdrawn
N3-040549	10.3	[CR]	[CR 29.208] Removal of Multiple tokens	Nokia							Agreed
N3-040550	10.4	[CR]	[CR 29.209] Clarification on Usage of AVPs with Media_Component_Desription AVP	Siemens							Agreed
N3-040551	10.4	[CR]	[CR 29.209] Avoiding Race conditions at AF session modification	Siemens							Agreed
N3-040552	10.2	CR	Corrections to AMR codec parameter translations	Lucent Technologies	IMS-CCR-IWCS	29.163	050	1	F	Rel-6	Revised in N3-040562
N3-040553	10.4	[CR]	Editorial corrections to TS 29.209	Nokia							Agreed
N3-040554	10.4	[CR]	[CR 29.209] Clarifications on Bandwidth AVPs	Siemens							Agreed
N3-040555		WID	WID MBMS	Ericsson							Revised in N3-040560
N3-040556	10.6	CR	Scope update to include Gmb	Nortel Networks	MBMS	29.061	119	1	B	Rel-6	Revised in N3-040592
N3-040557	10.6	CR	Gmb general corrections	Nortel Networks	MBMS	29.061	120	1	B	Rel-6	Revised in N3-040593
N3-040558	10.2	CR	ISUP-SIP Interworking to support early media	Lucent	IMS-CCR-	29.163	053	0	F	Rel-	Withdrawn

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
			provided by IMS Core Network	Technologies	IWCS					6	
N3-040559	10.6	CR	New Gmb specific AVPs, and new specific result-codes values.	Nortel Networks	MBMS	29.061	121	1	B	Rel-6	Revised in N3-040594
N3-040560		WID	WID for Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols	Ericsson							Endorsed
N3-040561	10.6	LS out	Request of Gmb Diameter code Values	CN3							Approved
N3-040562	10.2	CR	Corrections to AMR codec parameter translations	Lucent Technologies	IMS-CCR-IWCS	29.163	050	2	F	Rel-6	Revised in N3-040591
N3-040563	10.3	CR	Non call-related Mn procedures	Siemens	IMS-CCR-Mn	29.163	048	1	F	Rel-6	Revised in N3-040603
N3-040564	10.7	[CR]	Wi scenarios	Nokia							Revised in N3-040595
N3-040565	10.8	[CR]	Gx specific AVPs	Nokia, Nortel Networks							Revised in N3-040597
N3-040566	10.8	[CR]	First content for 29.210	Nokia, Nortel Networks							Agreed
N3-040567	10.8	[CR]	Gx protocol and messages	Nokia							Revised in N3-040605
N3-040568	10.9	WID	A proposed WID on Rx Reference point specification for flow based charging	Nortel Networks							Revised in N3-040598
N3-040569	10.10	LS out	LS Out to SA2 on the evolution of the Gi Radius interface for charging purposes	CN3							Revised in N3-040572
N3-040570	10.10	CR	RADIUS enhancements on the Gi interface	Nokia	TEI	29.061	124	1	B	Rel-6	Withdrawn
N3-040571	10.10	CR	RADIUS enhancement for Billing correlation	Cisco Systems	TEI	29.061	127	1		Rel-6	POSTPONED to next CN3 meeting
N3-040572	10.10	LS out	LS Out to SA2 on the evolution of the Gi Radius interface for charging purposes	CN3							Revised in N3-040573
N3-040573	10.10	LS out	LS Out to SA2 on the evolution of the Gi Radius interface for charging purposes	CN3							Approved
N3-040574	11.1	WID	DIAMETER on the PDG Wi interface	T-Mobile							Revised in N3-040601
N3-040575	11.1	WID	DIAMETER on the GGSN Gi interface	T-Mobile							Revised in N3-040602
N3-040576	14	Discussion	MBMS: Outstanding issues for Rel-6	Rapporteur							Revised in N3-

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
											040606
N3-040577	14	Discussion	Gq interface: Outstanding issues for Rel-6	Rapporteur							Revised in N3-040607
N3-040578	14	Discussion	Gx interface: Outstanding issues for Rel-6	Rapporteur							Revised in N3-040613
N3-040579	14	Discussion	IMS - IP interworking: Outstanding issues for Rel-6	Rapporteur							Revised in N3-040611
N3-040580	14	Discussion	WLAN: Outstanding issues for Rel-6	Rapporteur							Revised in N3-040608
N3-040581	14	Discussion	IMS - CS interworking: Outstanding issues for Rel-6	Rapporteur							Revised in N3-040609
N3-040582	14	Discussion	Rx interface: Outstanding issues for Rel-6	Rapporteur							Revised in N3-040614
N3-040583	14	Discussion	Presence: Outstanding issues for Rel-6	Rapporteur							Withdrawn
N3-040584		LS out	LS on Early media session establishment in IMS	CN3							Approved
N3-040585	10.4	[CR]	[CR 29.209] Access-Network-Charging-Address AVP	Siemens							Agreed
N3-040586	10.4	[CR]	[CR 29.209] Handling of SIP forking	Siemens							Agreed
N3-040587	9.1	CR	COPS DEC message handling	Siemens	E2EQoS	29.207	131	2	F	Rel-5	Agreed
N3-040588	9.1	CR	COPS DEC message handling	Siemens	E2EQoS	29.207	132	2	A	Rel-6	Agreed
N3-040589	9.1	CR	COPS-PR "Request State" flag not set for authorization failure decision	Siemens	E2EQoS	29.207	133	2	F	Rel-5	Agreed
N3-040590	9.1	CR	COPS-PR "Request State" flag not set for authorization failure decision	Siemens	E2EQoS	29.207	134	2	A	Rel-6	Agreed
N3-040591	10.2	CR	Corrections to AMR codec parameter translations	Lucent Technologies	IMS-CCR-IWCS	29.163	050	3	F	Rel-6	Agreed
N3-040592	10.6	CR	Scope update to include Gmb	Nortel Networks	MBMS	29.061	119	2	B	Rel-6	Agreed
N3-040593	10.6	CR	Gmb general corrections	Nortel Networks	MBMS	29.061	120	2	B	Rel-6	Agreed
N3-040594	10.6	CR	New Gmb specific AVPs, and new specific result-codes values.	Nortel Networks	MBMS	29.061	121	2	B	Rel-6	Agreed
N3-040595	10.7	[CR]	Wi scenarios	Nokia							Revised in N3-

Tdoc	Ag.	Type	Title	Source	WI	Spec	CR	Rev	Cat	Rel	Status
											040604
N3-040596	10.1	[CR]	Rel-6 version of TS29.162 incl. Ipv4/v6 interworking	Ericsson							Agreed
N3-040597	10.8	[CR]	Gx specific AVPs	Nokia, Nortel Networks							Agreed
N3-040598	10.9	WID	WID for "Rx Reference point specification for flow based charging"	Nortel Networks							Agreed
N3-040599		LS in	Reply LS on sending the GGSN Address on the Gq interface	TSG SA WG2							Noted
N3-040600		LS in	Reply LS on the evolution of the Gi interface for AAA purposes	TSG SA WG2							Noted
N3-040601	11.1	WID	WID for "DIAMETER on the PDG Wi interface"	T-Mobile							Agreed
N3-040602	11.1	WID	WID for "DIAMETER on the GGSN Gi interface"	T-Mobile							Agreed
N3-040603	10.3	CR	Non call-related Mn procedures	Siemens	IMS-CCR-Mn	29.163	048	2	F	Rel-6	Agreed
N3-040604	10.7	TS	29.161 v2.0.0	Nokia							email
N3-040605	10.8	[CR]	Gx protocol and messages	Nokia							Agreed
N3-040606	14	Discussion	MBMS: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040607	14	Discussion	Gq interface: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040608	14	Discussion	WLAN: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040609	14	Discussion	IMS - CS interworking: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040610	10.1	[CR]	TS29.162 v1.1.0	Ericsson							email
N3-040611	14	Discussion	IMS - IP interworking: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040612	10.8	TS	TS 29.210 v1.0.0	Nokia							email
N3-040613	14	Discussion	Gx interface: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040614	14	Discussion	Rx interface: Outstanding issues for Rel-6	Rapporteur							Agreed
N3-040615	10.4	CR	29.207-Rel6: accumulated CR for Gq impacts	CN3	E2EQoS	29.207	137	0	B	Rel-6	email
N3-040616	10.4	CR	29.208-Rel6: accumulated CR for Gq impacts	CN3	E2EQoS	29.208	073	0	B	Rel-6	email

History:

Document History	

25th Aug 2004	DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list.
	
	 Comments, if any, to be addressed to:
	
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	A deadline of 2 weeks was given to the CN3 delegates for e-mail comments on the draft report.
	
	Comments back by 7th September 2004

28-09-04	Updated DRAFT v2.0.0 placed to the server
04-10-04	N3-040446 [v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#33b meeting. Updated to N3-040663, APPROVED and placed to the server as v3.0.0.