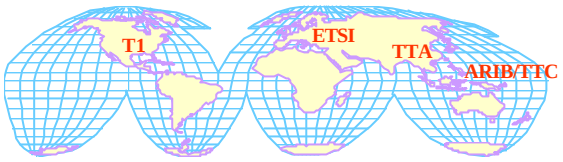

Third Generation Partnership Project

[DRAFT] Meeting Report v1.1.0
for
3GPP TSG CN WG 3
Meeting #32

Zagreb, Croatia
10th – 15th May 2004.

Comment [ES1]: To be removed once report is APPROVED

Hosted by

EF3

Chairman: Norbert Klehn, Siemens AG. norbert.klehn@siemens.com
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1. Opening of the Meeting

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

2 Approval of the agenda

N3-040251: **CN3#32 Draft Meeting Agenda, source CN3 Chairman.**

CONTENT: Contains the draft agenda for CN3#32 Meeting.

RESULT: The Agenda was **APPROVED.**

3 Registration of documents

N3-040252: **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.**

N3-040253: **Allocation of documents to agenda items (at end of day 1), source CN3 Chairman.**

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

N3-040254: **Allocation of documents to agenda items (at end of day 2), source CN3 Chairman.**

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

N3-040255: **Allocation of documents to agenda items (at end of day 3), source CN3 Chairman.**

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

N3-040256: **Allocation of documents to agenda items (at end of day 4), source CN3 Chairman.**

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

N3-040257: **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

N3-040260: **CN3#31bis Draft Meeting Report, source MCC.**

RESULT: The document was **REVISED to 0323 before presentation.**

ß **REVISED** ß

N3-040323: **CN3#31bis Draft Meeting Report, source MCC.**

CONTENT: Contains the draft meeting report for the CN3#31bis.

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

RESULT: The document was **APPROVED.**

4.2 Reports from last CN

No documents for this agenda item

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

N3-040261 **Reply LS on early media and IMS/CS interworking, CN1.**

CONTENT: The way SIP and SDP are used in IMS does not preclude the usage of early media. This means, that in both originating or terminating case the IMS UE is allowed to start sending media after receiving SDP from the remote side, that indicates that preconditions are met (or does not include any preconditions at all). There are also no mechanisms that would e.g. allow the network or the MGCF/IM-MGW to prohibit a UE from making use of early media. If the UE sends early media it is up to the MGCF/IM-MGW how to handle it towards the CS networks.

In the case of parallel forking early media can appear from different sources.

The draft http://www.ietf.org/internet-drafts/draft-ietf-sipping-early-media-01.txt describes how early media can be handled in SIP. Although in Rel-6 no 3GPP reference to this draft exists from CN1 specification, it is believed that it gives good guidance for the handling of early media.

DISCUSSION: Siemens has concerns with the stability of the draft, but this needs to be clarified by SA2. CN3 understand that early media cannot be prohibited, it is up to CN3 to decide what must be done with it when received. The existing solution in CN3 remains unchanged.

When the IETF draft becomes stable, this has to be investigated. If this needs to be done in Rel-7 this needs to be examined first in SA2.

RESULT: The document was **NOTED.**

N3-040262 **LS on Assignment of the Diameter codes and identifiers, CN4.**

CONTENT: CN4 has the responsibility to coordinate the 3GPP specific Diameter codes and identifiers. The CN4 has created a draft of the TS 29.230, which documents those codes and identifiers, to be the basis of the coordination. The annex A of the TS contains the recommended rules for the assignment procedure of different Diameter codes and identifiers.

CN4 asks the other working groups to review the draft TS 29.230 and provide input to CN4 on any existing deficiencies. Special attention should be paid on the annex A, which describes the recommended assignment procedure of any new Diameter codes and identifiers within the 3GPP.

DISCUSSION: CN3 will send back a LS to CN4 **[0346]** requesting a range of numbers.

RESULT: The document was **NOTED.**

N3-040346 **LS on Assignment of the Diameter codes and identifiers, CN3.**

CONTENT: In this LS CN3 inform CN4 about the need for a new application identifier, a range of new AVPs and another of new result codes for the Rel-6 Gq interface.

CN3 would like to kindly ask CN4 to allocate for the Rel-6 Gq interface purposes, see draft TS 29.209, the following:

Deleted: CN3

- A new Application identifier (to be requested from IANA) to identify the Rel-6 Gq interface application;
- A range of 100 3GPP specific AVPs; and
- A range of 20 3GPP specific Experimental-Result-Codes of type Permanent failure (5xxx).

DISCUSSION: No need to copy the other groups. Type error in text. Meeting names incorrect. Include the response LS details.

Agreement to request a range for the permanent failures. Nortel thought asking for only permanent failures as slightly limiting. If we request only 5 now, we'll need to send another LS at a later date requesting more codes

RESULT: The document was **REVISED to 0354.**

ß **REVISED** ß

N3-040354 **LS on Assignment of the Diameter codes and identifiers, CN3.**

RESULT: The document was **REVISED to 0375.**

ß **REVISED** ß

N3-040375 **LS on Assignment of the Diameter codes and identifiers, CN3.**

RESULT: The document was **APPROVED.**

N3-040337 **LS on to RTP / RTCP split, SA2.**

CONTENT: SA2 would like to note first that the purpose of the Stage 2 requirement on media component groups is to allow the PCSCF to require that certain media components are carried within different identifiable PDP Contexts, in order that they may be charged separately by GPRS charging. There is no requirement that grouped media components are carried within the same PDP Context, but each PDP context under the control of media grouping would need to only contain flow s related to one media group (SRF group).

In Release 5, according to 23.228, it is assumed that all flows (e.g. RTP, RTCP) associated with a media component are carried within the same PDP Context, but this is an assumption, rather than a requirement.

Therefore, according to the requirement on media component groups, the fact that RTP and RTCP flows are grouped within the same SRF group should not mean that they cannot be carried on separate PDP Contexts. There is therefore no need for an explicit indication from the P-CSCF to this effect. The mapping of flows within any given SRF group to PDP Contexts should be a matter for the UE, provided only that flows from distinct SRF groups are never mapped to the same PDP Context as any other media component flows related or unrelated to SRF groups. SA2 recommends that the application of the SRF indication within the 3GPP IMS is specified in this way.

SA2 notes that in the case that IP Flow Bearer Charging is used, the SRF indication will not be present, since there is no need to separate the flows into separate PDP Contexts in order to collect separate charging information.

Considering CN3's answers to SA2's questions, SA2 has agreed to relax the assumption that all flows for a media component are carried within the same PDP Context in Release 6.

SA2 asks CN3 to ensure that the 3GPP application of the SRF indication allows for flows within an SRF group to be mapped to separate PDP Contexts, according to the Stage 2 requirement. Also CN3 must make appropriate modifications to their specifications to allow for separation of RTP and RTCP flows

DISCUSSION: Some modifications will be required to CN3's specifications. Thomas (Siemens) will check the TS and bring changes as required to future meetings.

RESULT: The document was **NOTED.**

N3-040330 **LS on Gx reference point, SA2**

CONTENT: SA2 understands that CN3 will define the stage 3 for the Gx reference point following the stage 2 work in TS 23.125. Following the SA minutes that say that "It was noted that the work on the Gx and Rx interfaces will be under the responsibility of CN WG3", SA2 would like to clarify that in 23.125, SA2 has defined reference points (and not interfaces) – namely Gx, Gy, Rx and Ry.

This means that Gx is defined as a reference point and not an interface. The Gx reference point consists of information that needs to be exchanged between functional entities and the appropriate protocol is left for CN3 to define.

SA2 asks CN3 to take note of the above in their stage 3 work on FBC.

RESULT: The document was **NOTED.**

N3-040338 Reply LS on early media and IMS/CS interworking, SA2

CONTENT: SA2 agrees with CN1's assessment that the way SIP and SDP are used in IMS does not preclude the usage of early media. Hence, CN3 are kindly invited to attempt to provide measures for handling early media received from IMS with the IMS/CS interworking. In particular, there might be early media if a CS domain to IMS call returns to the CS domain due to forwarding by called party service logic.

SA2 prefers not to mandate a specific MGCF behaviour to always request sequential forking, since this impacts the service provided to the called party. At the same time, such a behaviour from specific MGCF implementations can and shall not be precluded either. It should be noted, though, that even such MGCF implementations might encounter parallel incoming early media streams due to preferences of the called party taking precedence.

RESULT: The document was **NOTED.**

N3-040339 Reply LS on impacts of multiple IMS sessions using the same PDP Context, SA2

CONTENT: SA2 expects that the multiplexing of media components from different sessions is primarily an issue for IMS sessions. In this case it can be assured that the same PDF is used because the P-CSCF remains the same for all IMS sessions of a user. After the PDF selection for the first IMS session of a user the P-CSCF shall contact the same PDF for any other IMS session of that user.

Please note that SA2 is still studying the possibility of a general AF session multiplexing and the requirements to ensure that the same PDF is used.

DISCUSSION: Missing text in 29.207 or 29.208 explaining the above understanding. Nortel will examine if this text can be added to the CR in Tdoc 0262.

Decided to push this issue to email discussion. Thomas (Siemens) will provide the CRs for discussion on the email exploder.

RESULT: The document was **NOTED.**

N3-040331 LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0, SA2

CONTENT: SA2 received a Liaison Statement from Wi-Fi Alliance, including a Request for Comment on the Marketing Requirement Document Draft Version 1.0.

SA2 believe that CN1, CN3, CN4, SA3 and SA5/SWG-B are in a position to make useful comments on this Liaison Statement, too. Hence, although SA2 have already made an answer from our point of view (so that we meet the deadline on April 30th), we believe that it would be useful that the groups above also comment this Marketing Requirement Document, even if the deadline cannot be fulfilled due to the 3GPP meeting schedule.

Please note that SA2 have already informed Wi-Fi Alliance that they would receive other answers after the deadline.

SA2 kindly asks CN1, CN3, CN4, SA3 and SA5/SWG-B to consider the attached Liaison Statement and to provide an answer to Wi-Fi Alliance.

DISCUSSION: Orange suggests it is more relevant to CN4, and CN3 is not impacted. However the issue was postponed to allow delegates more time to study the attached LS.

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

N3-040332 **Reply LS to Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0, SA2**

CONTENT: SA2's response to the LS from the Wi-Fi Alliance.

SA2 suggest some improvements to the above document in order to make sure that the mobile market requirements are fully taken into account in Wi-Fi Alliance certifications. SA2 suggestions can be found in the attached MRD Comment Form, according to your request.

SA2 underline that the attached comments are limited to architecture related issues, however other groups in 3GPP (CN1, CN3 and CN4) are more relevant when protocols and interfaces are concerned. Similarly, security issues are addressed by SA3 and charging issues are addressed by SA5/SWG-B. Therefore SA2 decided to forward the initial Liaison Statement from Wi-Fi Alliance to these groups, whose expertise in their respective domains will also be quite useful to improve the above MRD Draft v1.0. Please note that they are all working groups of 3GPP, and this is the way 3GPP usually share documents, so this does not conflict any confidentiality restriction according to the initial Liaison Statement sent by Wi-Fi Alliance. These working groups may have additional documents to refer to in the MRD in the future.

SA2 suggest that Wi-Fi Alliance liase also with GSMA/IREG, which is in charge of roaming agreements between operators. GSMA/IREG are in charge of the document IR61 quoted in the MRD Draft v1.0, and they have a WLAN Task Force which should be able to provide useful comments on the WLAN market for mobile operators, too. However, as GSMA/IREG is not under 3GPP organisation, SA2 did not take the responsibility to forward the Wi-Fi Alliance document to them.

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

N3-040333 **Request for comment and liaison statement, Wi-Fi Alliance.**

DISCUSSION: Already in 331 and 332 included

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]

N3-040305 **CR 29.061-Rel4: QoS profile length, Ericsson.**

CONTENT: For the GPRS Negotiated QoS Profile sub attribute in the Radius interface the length indication (L) is missing for Rel-4. This CR defines the length indicator.

DISCUSSION: Seen in previous meetings. CRs to earlier releases were required.

RESULT: The document w as **AGREED.**

N3-040306 **CR 29.061-Rel5: QoS profile length, Ericsson.**

RESULT: The document was **AGREED.**

N3-040307 **CR 29.061-Rel6: QoS profile length, Ericsson.**

RESULT: The document was **AGREED.**

8.2 Circuit switched Bearer Services [CS Data]

N3-040277 **Discussion: Inconsistencies and omissions concerning the description of the network initiated in-call modification in TS 24.008, TS 27.001, and TS 29.007, Siemens.**

CONTENT: With the transition from GSM phase 1 to phase 2 the textual description of the in-call modification in TS 24.008, subclause 5.3.4.3.2, was changed in such way that for the network initiated case the order of sequence between the transmission of MODIFY COMPLETE and the change of the channel configuration (radio bearer reconfiguration) was reversed.

While this new order of sequence creates some problems for the MS, as we have seen in the previous section, it apparently does not provide any advantages. Therefore, Siemens propose to modify the text in TS 24.008 so that the old order of sequence is restored.

DISCUSSION: CN1 has concluded that figure 5.10b is correct. The CR to CN1 specifications is agreed in principle.

RESULT: The document was **NOTED.**

N3-040278 **CR 27.001-R99: Addition of network initiated in-call modification, Siemens.**

CONTENT: The condition when to start the synchronization process during a network initiated in-call modification is added.

DISCUSSION: Ericsson agreed with the change suggested a re-structuring of the text to improve clarity.

Dependency of CN1 CR needs to be reflected.

RESULT: The document was **REVISED to 0363.**

ß **REVISED** ß

N3-040363 **CR 27.001-R99: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040279 **CR 27.001-Rel4: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **REVISED to 0364.**

ß **REVISED** ß

N3-040364 **CR 27.001-Rel4: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040280 **CR 27.001-Rel5: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **REVISED to 0365.**

ß **REVISED** ß

N3-040365 **CR 27.001-Rel5: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040281 **CR 29.007-R99: Addition of network initiated in-call modification, Siemens.**

DISCUSSION: Ericsson agreed with the change suggested a re-structuring of the text to improve clarity.

. Dependency of CN1 CR needs to be reflected.

RESULT: The document was **REVISED to 0366.**

ß **REVISED** ß

N3-040366 **CR 29.007-R99: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040282 **CR 29.007-Rel4: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **REVISED to 0367.**

ß **REVISED** ß

N3-040367 **CR 29.007-Rel4: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040283 **CR 29.007-Rel5: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **REVISED to 0368.**

ß **REVISED** ß

N3-040368 **CR 29.007-Rel5: Addition of network initiated in-call modification, Siemens.**

RESULT: The document was **AGREED.**

N3-040284 **CR 24.008-R99: Correction of the network initiated in-call modification Siemens.**

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]

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]

N3-040285 **CR 29.207: DRQ Sub-code, Nokia.**

CONTENT: Value for Sub-code: “deactivation of the PDP context”

DISCUSSION: Nortel felt that this change duplicates information of codes already defined in COPS.

Siemens proposed offline discussions

RESULT: The document was **REVISED to 0347.**

ß REVISED ß

N3-040347 **CR 29.207: DRQ Sub-code Nokia**

DISCUSSION: Reason for change is no longer valid. Minor editorials to the coverpage.

RESULT: The document was **REVISED to 0398.**

ß REVISED ß

N3-040398 **CR 29.207: DRQ Sub-code Nokia**

RESULT: The document was **AGREED.**

N3-040309 **CR 29.207: PDP context modification without binding information Siemens**

CONTENT: Allows a PDP context modification without binding information if binding information has been previously provided for the PDP context.

DISCUSSION: Ericsson suggested there is a risk that a user can get a free bearer and then modify this free bearer for general use.

Offline discussions required.

RESULT: The document was **REVISED to 0394.**

ß REVISED ß

N3-040394 **CR 29.207: PDP context modification without binding information Siemens**

DISCUSSION: Spelling error in new text

RESULT: The document was **REVISED to 0399.**

ß REVISED ß

N3-040399 **CR 29.207: PDP context modification without binding information Siemens**

RESULT: The document was **AGREED.**

N3-040310 **CR 29.208: Media component removal flow Siemens**

RESULT: The document was **REVISED to 0335 before presentation.**

ß REVISED ß

N3-040335 **CR 29.208: Media Component removal call flow, Siemens**

CONTENT: Add flow for media comnponent removal with authorization revokation.

DISCUSSION: Incorrect reference (relates to Rel-6 change)

Nortel does not see the specifications as contradicting.

Offline discussions took place in order to agree the text.

RESULT: The document was **REVISED to 0348.**

ß REVISED ß

N3-040348 **CR 29.208: Media Component removal call flow, Siemens**

DISCUSSION: Incorrect reference. Nortel will check the revised document offline.

RESULT: The document was **REVISED to 0395.**

ß REVISED ß

N3-040395 **CR 29.208: Media Component removal call flow, 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 [TEI]

No input to this agenda item.

10 Release 6

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

No input to this agenda item.

WI STATUS: ***Still awaiting progress from SA2 concerning IPv4 – Ipv6 interworking. CN1 has taken a lot of this work in 29.162 for end to end SIP handling, based on the CN3 TR 29.962.***

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

WI STATUS: ***29.163 is complete, CODEC negotiation BICC and IMS is an add on to this feature.***

This Work item is complete for Rel-6

N3-040270 **CR 29.163: Codec Negotiation between BICC CS networks and the IM CN subsystem, Lucent.**

CONTENT: Introductory and explanatory text for codec negotiation. This text is only required whilst codec negotiation control plane forms part of Annex B for Rel-6. Upon move of this topic into clause 7.3 of this TS the introductory text will be deleted.

DISCUSSION: Reference to TrFO specification is missing. This needs to be added.

Decided to delete the last 2 sentences. If the information is seen as required we can move this to Annex A.

Some companies wanted to see some of the text deleted. This issue is left open until later in the meeting.

RESULT: The document was **REVISED to 0349.**

ß **REVISED** ß

N3-040349 **CR 29.163: Codec Negotiation between BICC CS networks and the IM CN subsystem, Lucent.**

DISCUSSION: Cat is incorrect F should be B (new feature). Also Rev status = 1.

RESULT: The document was **AGREED.**

N3-040271 **CR 29.163: Codec negotiation incoming call interworking, Lucent**

CONTENT: Interworking procedure for incoming SIP to BICC calls at I-MGCF and BICC to SIP at O-MGCF.

DISCUSSION: Editorial change (must to be removed). Offline discussions to correct some text.

RESULT: The document was **REVISED to 0350.**

ß **REVISED** ß

N3-040350 **CR 29.163: Codec negotiation incoming call interworking, Lucent**

DISCUSSION: Cat is incorrect F should be B (new feature). Also Rev status = 1.

RESULT: The document was **AGREED.**

N3-040272 **CR 29.163: Codec negotiation Mid call interworking, Lucent**

CONTENT: Provides text detailing the mid-call SIP to BICC and BICC to SIP interworking at I-MGCF and O-MGCF by negotiation.

DISCUSSION: Assorted comments from Ericsson.

RESULT: The document was **REVISED to 0351.**

ß **REVISED** ß

N3-040351 **CR 29.163: Codec negotiation Mid call interworking, Lucent.**

DISCUSSION: Remove the term “incoming”.

Ericsson can agree to this CR, but may bring additional CRs on this issue to further meetings.

RESULT: The document was **REVISED to 0396.**

ß **REVISED** ß

N3-040396 **CR 29.163: Codec negotiation Mid call interworking, Lucent.**

RESULT: The document was **AGREED.**

N3-040273 **CR 29.163: Codec parameter translation between BICC CS network and the IM CN subsystem, Lucent.**

CONTENT: Addition of codec parameter translation procedures for codec negotiation.

DISCUSSION: SA4 need to see the changes related to coding. Also there is a lot of new text and more time is required to study the text. Also CN4 need to see this because of the TrFO issues that need checking. Finally, it was decided that CN3 can specify the mapping function without any consultation with SA4 and CN4.

Various corrections required to the terminology and completion of the references.

RESULT: The document was **REVISED to 0352.**

ß **REVISED** ß

N3-040352 **CR 29.163: Codec parameter translation between BICC CS network and the IM CN subsystem, Lucent.**

DISCUSSION: Cat is incorrect F should be B (new feature). Also Rev status = 1. To correct the title.

RESULT: The document was **AGREED.**

N3-040274 **CR 29.163: MGCF IM-MGW interaction Lucent**

CONTENT: Adds clause B.3 to annex B with four new message sequence charts.

DISCUSSION: Some confusion surrounded the example given in this CR. This was taken offline.

It was mentioned that the figures were not reviewed at the last meeting.

Some offline discussions took place.

RESULT: The document was **REVISED to 0353.**

ß **REVISED** ß

N3-040353 **CR 29.163: MGCF IM-MGW interaction, Lucent.**

DISCUSSION: Add the correct names to the procedures. Siemens will assist with this offline. Minor spelling errors and coverpage corrections.

RESULT: The document was **REVISED to 0397.**

ß **REVISED** ß

N3-040397 **CR 29.163: MGCF IM-MGW interaction, Lucent.**

RESULT: The document was **AGREED.**

N3-040286 **CR 29.163: Notify IMS RTP Tel Event message sequence, Nokia, Siemens.**

CONTENT: Confusing and misleading details have been removed from Figure 48 and Event values have been added.

RESULT: The document was **AGREED.**

N3-040308 **CR 29.163: Correction of sub-clause 7.2.3.2.5.1 Backward call indicators Ericsson**

CONTENT: The code point value is changed to 00.

RESULT: The document was **AGREED.**

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

No input to this agenda item.

WI STATUS: ***This Work item is complete for Rel-6***

10.4 Gq interface for Dynamic Policy control enhancements [QoS1]

WI STATUS: ***29.209 is to be presented to the next CN Plenary for information.***

This Work item is considered as 60% complete.

N3-040269 **CR 29.209: Clarify the use of Agents in Gq Nortel Networks**

CONTENT: A clarification is added allowing for not using agents in the IMS case.

DISCUSSION: Agents are an option in DIAMETER, and the CR may not be required.

Siemens supported the change as a good clarification.

RESULT: The document was **AGREED.**

N3-040288 **CR 29.209: Application-Identifier AVP, Nokia.**

CONTENT: New AVP defining the AF-Application-Identifier

DISCUSSION: Orange suggested AVP should be a global one and not specific.

This is under the media component for granularity.

Add a note to the text (Thomas to supply details).

RESULT: The document was **REVISED to 0356.**

§ **REVISED** §

N3-040356 **CR 29.209: Application-Identifier AVP, Nokia.**

DISCUSSION: Offline discussion resulting in modifications.

RESULT: The document was **REVISED to 0383.**

§ **REVISED** §

N3-040383 **CR 29.209: Application-Identifier AVP, Nokia.**

RESULT: The document was **AGREED.**

N3-040289 **CR 29.209: Bearer Authorization Info Policy AVP, Nokia.**

CONTENT: New AVP Bearer-Authorization-Info-Policy indicating whether the PDF needs to contact the AF at the bearer reservation or not.

DISCUSSION:

Content is contained in the Siemens proposal 0320.

RESULT: The document was **WITHDRAWN.**

N3-040320 **CR 29.209: Gq-Specific-Action AVP, Siemens.**

CONTENT: AF does not use Bearer-Authorization-Info-Policy AVP in addition to Gq specific Action AVP to request notifications of bearer events. No Gq specific Action AVP in AAA means no action is requested.

In addition Correction in 5.1.1: Describe cases where AF has requested notification at bearer authorization.

DISCUSSION: Alternative proposal in 0289. Nortel supported the Siemens proposal. Ericsson supported both, but had a slight preference for Siemens proposal. Nokia had no worries with accepting the Siemens proposal

Some minor changes to the text.

RESULT: The document was **REVISED to 0357.**

ß **REVISED** ß

N3-040357 **CR 29.209: Gq-Specific-Action AVP, Siemens.**

RESULT: The document was **AGREED.**

N3-040290 **CR 29.209: Media-Type AVP, Nokia.**

CONTENT: New AVP defining the session component media type, e.g. audio, video.

DISCUSSION: Naming needs to be aligned with other contributions.

RESULT: The document was **REVISED to 0382.**

ß **REVISED** ß

N3-040382 **CR 29.209: Media-Type AVP, Nokia.**

RESULT: The document was **AGREED.**

N3-040291 **CR 29.209: Max Bandwidth AVP, Nokia**

CONTENT: New AVP defining the maximum allowed bandwidth

DISCUSSION: Units of measure are missing.

Introduce separate values for uplink and downlink. Some suggested text in Siemens contribution 0317.

RESULT: The document was **REVISED to 0358.**

ß **REVISED** ß

N3-040358 **CR 29.209: Max Bandwidth AVP, Nokia.**

RESULT: The document was **REVISED to 0379 before presentation.**

ß **REVISED** ß

N3-040379 **CR 29.209: Max Bandwidth AVP, Nokia.**

RESULT: The document was **AGREED.**

N3-040292 **CR 29.209: Service information, Nokia**

CONTENT: Adds new AVPs and defines their usage.

DISCUSSION: Relates to several other contributions to this meeting.

It was expected that the offline discussion resolve the overlaps between documents.

The offline session had come to some agreement on the best way forward.

RESULT: The document was **Merged into 0372.**

N3-040293 **CR 29.207: DRQ Sub-code, Nokia.**

CONTENT: New Sub-code "insufficient bearer resources" added and values for DRQ Sub-codes defined.

DISCUSSION: Propsed a re-wording of the two codes so it is clear what cases it refers to.

RESULT: The document was **REVISED to 0362.**

ß **REVISED** ß

N3-040362 **CR 29.207: DRQ Sub-code, Nokia.**

DISCUSSION: Several type errors – Some alignment required with the drafting rules. Summary of change is misleading.

RESULT: The document was **REVISED to 0401.**

ß **REVISED** ß

N3-040401 **CR 29.207: DRQ Sub-code, Nokia.**

DISCUSSION: Editorial changes required.

RESULT: The document was **REVISED to 0415.**

ß **REVISED** ß

N3-040415 **CR 29.207: DRQ Sub-code, Nokia.**

RESULT: The document was **AGREED.**

N3-040294 **CR 29.207: SBLP Decisions, Nokia.**

CONTENT: Some AF/P-CSCF related text is removed (moved to 29.209). Also some fine tuning of the text.

DISCUSSION: Depends on the outcome of the service discussion.

RESULT: The document was **REVISED to 0380.**

ß **REVISED** ß

N3-040380 **CR 29.207: SBLP Decisions, Nokia.**

RESULT: The document was **WITHDRAWN.**

N3-040295 **CR 29.209: SBLP Decisions in IMS, Nokia.**

RESULT: The document was **REVISED to 0381.**

ß **REVISED** ß

N3-040381 **CR 29.209: SBLP Decisions in IMS, Nokia.**

RESULT: The document was **WITHDRAWN.**

N3-040296 **Discussion: Filtering Nokia**

RESULT: The document was **WITHDRAWN.**

N3-040297 **Discussion: IP Flow / Media Component granularity Nokia**

RESULT: The document was **MERGED into 0372.**

N3-040311 **CR 29.208: Media component removal flow, Siemens.**

RESULT: The document was **REVISED to 0336.**

ß REVISED ß

N3-040336 **CR 29.208: Media component removal flow, Siemens.**

RESULT: The document was **REVISED to 0373.**

ß REVISED ß

N3-040373 **CR 29.208: Media component removal flow, Siemens .**

CONTENT: Add flow for media component removal with authorization revocation. Agree an additional call flow for Rel-6.

DISCUSSION: Old version of modified figure is not shown as deleted.

RESULT: The document was **REVISED to 0419.**

ß REVISED ß

N3-040419 **CR 29.208: Media component removal flow, Siemens .**

RESULT: The document was **AGREED.**

N3-040312 **CR 29.208: General Mapping, Siemens .**

CONTENT: New generic Description Clause added, IMS specific clause updated. Minor Corrections for UE

DISCUSSION: Ericsson has an alternative proposal in 0344.

Nortel has concerns about some informative text in normative clauses – was discussed offline between interested parties.

RESULT: The document was **REVISED into 0376.**

ß REVISED ß

N3-040376 **CR 29.208: Generic Description of QoS Mapping, Siemens.**

CONTENT: Contains only the general descriptions

DISCUSSION: Specific mapping is contained in 0374.

7.1.1 contains a significant editors note about a requirement for additional changes. These changes are contained in other contributions.

Some minor editorial corrections were required to the text.

Ericsson will provide comments offline.

RESULT: The document was **REVISED into 0413.**

ß REVISED ß

N3-040413 **CR 29.208: Generic Description of QoS Mapping, Siemens.**

DISCUSSION: Term 'recommended' is not correct – needs to be aligned with drafting rules.

RESULT: The document was **REVISED into 0423.**

ß REVISED ß

N3-040423 **CR 29.208: Generic Description of QoS Mapping, Siemens.**

RESULT: The document was **AGREED.**

N3-040344 **CR 29.209: Generic Description of Qo S Mapping, Ericsson.**

CONTENT: It is described how the requested QoS parameters per flow identifier can be generated by the P-CSCF, thus making the mapping into maximum authorized QoS values in the PDF very simple.

DISCUSSION: An alternative to Siemens proposal in 0312.

Covers also the specific descriptions, hence has an overlap with other documents. Siemens contribution is only related to the Generic part.

RESULT: The document was **NOTED.**

N3-040313 **CR 29.208: Service information mapping Siemens**

RESULT: The document was **WITHDRAWN.**

N3-040314 **CR 29.209: Flow AVP, Siemens.**

CONTENT: New Media component number, Flow number, Flows, and Flow-Grouping AVPs are introduced and their usage is described.

DISCUSSION: Some offline discussion remained. Decide to split the document into two parts. One more contentious than the other.

RESULT: The document was **SPLIT into 359, 360 and 361.**

N3-040359 **CR 29.209: Flow AVP, Siemens.**

CONTENT: New Media component number, Flow number AVPs are introduced.

DISCUSSION: Error in component number. Naming needs to be aligned with other contributions.

RESULT: The document was **REVISED into 0402.**

ß **REVISED** ß

N3-040402 **CR 29.209: Flow AVP, Siemens.**

DISCUSSION: Hyphen missing.

RESULT: The document was **REVISED into 0416.**

ß **REVISED** ß

N3-040416 **CR 29.209: Flow AVP, Siemens.**

RESULT: The document was **AGREED.**

N3-040360 **CR 29.209: Flow AVP, Siemens.**

CONTENT: Describes the Flows AVP and their usage.

RESULT: The document was **AGREED.**

N3-040361 **CR 29.209: Flow AVP, Siemens.**

CONTENT: New Flow-Grouping AVPs is introdruced and usage is described.

DISCUSSION: Change to the flow format. Minor editorial changes.

RESULT: The document was **REVISED into 0403.**

ß **REVISED** ß

N3-040403 **CR 29.209: Flow AVP, Siemens.**

RESULT: The document was **AGREED.**

N3-040315 **Discussion: Flow description, Siemens.**

DISCUSSION: Handled offline with other contributions.

RESULT: The document was **WITHDRAWN.**

N3-040316 **CR 29.209: Flow description, Siemens.**

CONTENT: Modifications to rules and permissions.

DISCUSSION: Nortel agreed with this kind of limitation, but suggested better wording.

RESULT: The document was **REVISED to 0369.**

ß **REVISED** ß

N3-040369 **CR 29.209: Flow description, Siemens.**

DISCUSSION: Minor change to one character.

RESULT: The document was **REVISED to 0404.**

ß **REVISED** ß

N3-040404 **CR 29.209: Flow description, Siemens.**

RESULT: The document was **AGREED.**

N3-040317 **CR 29.209: Service information, Siemens.**

CONTENT: Session Description AVP Is completed and AVP used within are introduced.

DISCUSSION: Some alignment is required between this and other CRs.

Ericsson contribution relates to Service information (0343).

CN3 agreed that we need description of two levels of granularity. One for media component and another for IP flow.

Some Disagreement on the specifics and the number of AVPs required to do this.

Siemens is for one AVP, Nokia is for two AVPs. Nortel supported looking first at the IP flow level, and after examining the media component level <Siemens could not support this>. Ericsson suggested examining both levels individually and then attempt to merge the two solutions. If it is not possible to merge them, then will retain separate solutions.

CN3 agreed to first examine the separate case, and then attempt to combine the solution.

Nokia and Siemens will combine their Media component approach. Ericsson have the IP flow approach.

RESULT: The document was **MERGED with others into 0372.**

N3-040318 **CR 29.209: Gate Control, Siemens.**

DISCUSSION: Several comments were made to the content. Remove all text referring to Gate control. Split into 370 and 371.

RESULT: The document was **REVISED to 0370.**

ß **REVISED** ß

N3-040370 **CR 29.209: Gate Control, Siemens.**

RESULT: The document was **AGREED.**

N3-040371 **CR 29.209: Direction dependant value for media control status, Siemens.**

RESULT: The document was **WITHDRAWN.**

N3-040319 **CR 29.209: Access-Network-Charging-Identifier in AAA, Siemens.**

CONTENT: The CR transfers the Access-Network-Charging-Identifier also in RAR.

RESULT: The document was **AGREED.**

N3-040321 **Discussion: Multiple authorization token generation in the PDF ORANGE**

RESULT: The document was **REVISED to 342 before presentation.**

ß **REVISED** ß

N3-040342 **Discussion: Multiple authorization token generation in the PDF, ORANGE.**

CONTENT: Present the issue of multiple authorization token generation, and suggests two possible directions for a solution.

DISCUSSION: Nortel explained that this is currently being discussed in SA2. Provided a discussion document from SA2 to CN3 for further information.

Suggest sending a LS to SA2 expressing CN3's concerns. The LS is contained in 0377.

RESULT: The document was **NOTED.**

N3-040377 **LS out on Multiple authorization token generation in the PDF, CN3.**

CONTENT: In this LS, CN3 ask SA2 to clarify the issues on the criteria for generating multiple authorization tokens in the PDF and on the possibility to define a life time for the unused authorization tokens stored in the PDF.

DISCUSSION: Suggest adding a list of questions. Also, some corrections required to some minor editorials.

RESULT: The document was **REVISED to 0405.**

ß **REVISED** ß

N3-040405 **LS out on Multiple authorization token generation in the PDF, CN3.**

RESULT: The document was **APPROVED.**

N3-040322 **Discussion: Gq session abort cause codes, Nokia.**

RESULT: The document was **REVISED to 0387 before presentation.**

ß **REVISED** ß

N3-040387 **Discussion: Gq session abort cause codes, Nokia.**

RESULT: The document was **REVISED to 0406**

ß **REVISED** ß

N3-040406 **Discussion: Gq session abort cause codes, Nokia.**

RESULT: The document w as **AGREED.**

N3-040324 **CR 29.209: reused Diameter AVPs at the Gq interface, Siemens.**

CONTENT: Describe reused AVPs.

DISCUSSION: Some minor editorial changes. Changes will be merged into another clause.

RESULT: The document was **REVISED to 0378.**

ß **REVISED** ß

N3-040378 **CR 29.209: reused Diameter AVPs at the Gq interface, Siemens.**

RESULT: The document was **AGREED.**

N3-040287 **CR 29.209: Session Component Description Nokia**

CONTENT: New AVP defined to facilitate the information service definition decisions.

DISCUSSION: Alternative proposal in 0325.

RESULT: The document was **MERGED into 0355.**

N3-040325 **CR 29.209: Service information terminology, Siemens.**

CONTENT: Session Description replaced by Service Information.

DISCUSSION: Alternative proposal in 0287.

RESULT: The document was **MERGED into 0355.**

N3-040355 **CR 29.209: Service information terminology, Siemens, Nokia.**

CONTENT: Session Description replaced by Service Information.

DISCUSSION: Spelling errors need to be corrected..

RESULT: The document was **REVISED to 0400.**

§ **REVISED** §

N3-040400 **CR 29.209: Service information terminology, Siemens, Nokia.**

RESULT: The document was **AGREED.**

N3-040343 **Generic Service Description for Gq, Ericsson.**

CONTENT: The CR proposes to avoid definition of Gq data in terms of explicit SDP parameters and to hide session media negotiation signalling from the Gq interface.

DISCUSSION: Relates to 0287, 0325 and also 317.

Suggestion to remove the 2nd paragraph of 6.5.12. Suggest adding a note explaining the IP flow condition.

Some wording / title changes required following the decision to examine media components and IP flows separately.

Require a description for the mapping information.

Discussed in an offline session along with, **0292, 0317**.

RESULT: The document was **REVISED to 0372.**

§ **REVISED** §

N3-040372 **Generic Service Description for Gq, Ericsson, Nokia, Siemens.**

DISCUSSION: Some changes to naming and editorial corrections.

RESULT: The document was **REVISED to 0407.**

§ **REVISED** §

N3-040407 **Generic Service Description for Gq, Ericsson, Nokia, Siemens.**

RESULT: The document was **AGREED.**

N3-040326 **CR 29.209: Remove Session Authorization Type AVP, Siemens.**

CONTENT: Remove Session Authorization Type AVP.

DISCUSSION: AVP will be put into alphabetical order when the CR is implemented.

RESULT: The document was **AGREED.**

N3-040327 **CR 29.208: Service information mapping with IpFilterType, Siemens.**

RESULT: The document was **REVISED to 0374.**

ß REVISED ß

N3-040374 **CR 29.208: Service information mapping with IpFilterType, Siemens.**

CONTENT: Contains only the Specific descriptions

DISCUSSION: Many changes resulted from offline discussions. Several mistakes in the table – more time required for checking the contribution.

The meeting supported the merge of the various CRs into a single contribution to make the draft versions of the TS(s) into the official versions if approved by CN Plenary.

RESULT: The document was **REVISED to 0408.**

ß REVISED ß

N3-040408 **CR 29.208: Service information mapping with IpFilterType, Siemens.**

DISCUSSION: Some notation changes are required to the units. Also the CR contains some minor type errors.

RESULT: The document was **REVISED to 0420.**

ß REVISED ß

N3-040420 **CR 29.208: Service information mapping with IpFilterType, Siemens.**

DISCUSSION: Nortel requested some more time to check the tables. This CR will be put on email approval until 1st June 2004.

Nokia proposed not presenting this summary CRs to plenary for 29.207 and 29.208. Ericsson supported continuing with the unofficial versions of 29.207 and 29.208.

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

N3-040328 **CR 29.209: Include FlowID in Access-Network-Charging-Identifier, Siemens.**

CONTENT: Make Access-Network-Charging-Identifier a grouped AVP including Flow Ids along with new Access-Network-Charging-Identifier-Value AVP.

RESULT: The document was **AGREED.**

N3-040329 **Unofficial version 2.1 of TS 29.208, Siemens.**

RESULT: The document was **NOTED.**

N3-040341 **CR 29.208: Gq actions at PDP context release. Nokia.**

CONTENT: Gq message usage description improved in PDP context release scenarios.

RESULT: The document was **AGREED.**

N3-040424 **TS 29.209 latest version, Nokia.**

DISCUSSION: To be presented to Plenary for information.

RESULT: The document was **DISTRIBUTED by EMAIL.**

N3-040425 **Unofficial version 3 of TS 29.207, Siemens.**

RESULT: The document was **DISTRIBUTED by EMAIL.**

N3-040426 **Unofficial version 3 of TS 29.208, Siemens.**

RESULT: The document was **DISTRIBUTED by EMAIL.**

10.5 Support of Presence Capability [PRESENC]

No input to this agenda item.

NOTE: *Only a minor amount of modification is required to the CN3 Stage 3. Interested companies are requested to bring this to the next CN3 meeting.*

WI STATUS: ***Only a minor change required to be added to 29.061 for the Pk interface***

This work item is 0% complete.

10.6 Multimedia Broadcast and Multicast Service [MBMS]

WI STATUS: ***Open issues with:***

- Release of Radius attributes,

- Error case handling

- Application IDs. (possibly)

- CN4 numbering for AVPs need to be coordinated with CN4.

This work item is 50% complete.

N3-040275 **CR 29.061: Gmb Introduction, Nortel Networks.**

CONTENT: Presented at previous CN3 meeting under a different CR name and number.

DISCUSSION: Needs to be merged with other contributions.

RESULT: The document was **REVISED to 0393.**

§ **REVISED** §

N3-040393 **CR 29.061: Gmb Introduction, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040276 **CR 29.061: Gmb messages flows, Nortel Networks.**

CONTENT: Presented at previous CN3 meeting under a different CR name and number.

New text used as the basis for CR in 0266.

RESULT: The document was **MERGED into 0384.**

N3-040266 **CR 29.061: Gmb Message Flows. Improvements, Nortel Networks.**

CONTENT: Introduction of more level of detail to the messages flows, as requested by CN3 during the last meeting.

This CR is based upon the new text introduced in 0276.

DISCUSSION: Some minor corrections to the figures and flows. Missing information [xxx = clause 17.5.5).

Possibility to have procedure boxes for the explanations.

Merge the messages 7 and 8.

RESULT: The document was **REVISED to 0384.**

§ **REVISED** §

N3-040384 **CR 29.061: Gmb Message Flows. Improvements, Nortel Networks.**

DISCUSSION: Some minor editorial corrections are required to the text. The figure numbers need to be identified.

RESULT: The document was **REVISED to 0411.**

ß REVISED ß

N3-040411 **CR 29.061: Gmb Message Flows. Improvements, Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040265 **CR 29.061: Gmb Commands and AVPs (II), Nortel Networks.**

CONTENT: Introduction of new sections, containing some Gmb messages and AVPs.

DISCUSSION: Missing references.

Ericsson asked for more time to check the relations to RADIUS.

RESULT: The document was **REVISED to 0385.**

ß REVISED ß

N3-040385 **CR 29.061: Gmb Commands and AVPs (II), Nortel Networks.**

DISCUSSION: Cannot re-use the RADIUS number space. Requirement to request a new AVP codes. Send LS to CN4 on this issue, LS contained in 0409. Agreed to add an editor's note explaining this.

RESULT: The document was **REVISED to 0410.**

ß REVISED ß

N3-040410 **CR 29.061: Gmb Commands and AVPs (II), Nortel Networks.**

RESULT: The document was **AGREED.**

N3-040409 **LS to CN4 on LS on Re-use of RADIUS attributes within the 3gpp specific vendor id, CN3**

CONTENT: CN3 asks CN4 to provide guidance on the re-use of certain RADIUS attributes in Diameter AVPs.

DISCUSSION: Slight re-wording to the text to provide more clarity.

RESULT: The document was **REVISED to 0421.**

ß REVISED ß

N3-040421 **LS to CN4 on LS on Re-use of RADIUS attributes within the 3gpp specific vendor id, CN3**

RESULT: The document was **APPROVED.**

N3-040267 **CR 29.061: Command to indicate Session Start/Stop, Nortel Networks.**

CONTENT: The Session Start and Session Stop commands are defined as Re-Authorization-Request/Answer commands with a newly defined set of AVPs to fulfil the requirements.

DISCUSSION: Clarification required on the issue of application ID. A note will be added to say we are still looking at the need for a new ID or the re-use of NASRAQ. *Note this issue is being discussed on the IETF AAA email list.*

Part of this CR is covered by another contribution. The remaining part is revised into a new document.

RESULT: The document was **REVISED to 0386.**

ß REVISED ß

N3-040386 **CR 29.061: Command to indicate Session Start/Stop, Nortel Networks.**

RESULT: The document was **AGREED.**

10.7 WLAN – UMTS Interworking [WLAN]

WI STATUS: CN3 are dependant with work in other groups (see 0298).

This work item is 40% complete

N3-040298 **TS 29.161 v 0.2.0: Interworking between PLMN with WLAN access and PDN Nokia**

CONTENT: Minor changes are proposed to indicate the dependencies of open issues on other groups.

DISCUSSION: CN3 is blocked by the work underway in other groups.

Will be placed to Draft section of FTP server.

RESULT: The document was **AGREED.**

N3-040414 **Revision of WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking, Lucent.**

CONTENT: A revision of the WLAN interworking that had been reviewed by CN1 and CN4, and requires comments from CN3.

DISCUSSION: TS 29.161 completion dates to be move back by one plenary due to dependencies on other groups. Also add the title of 29.161.

After some consideration the issue of the Wg interface work being allocated to CN WGs was re-opened. Companies needed time to check this and will report back to the next CN3 meeting.

Norbert will report the status of this issue to CN Plenary. It is possible that the Wg interface work needs to be done in CN3 and not CN4.

RESULT: The document was **REVISED to 0417.**

ß **REVISED** ß

N3-040417 **Revision of WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking, Lucent.**

DISCUSSION: ENDORSED by CN3

RESULT: The document was **ENDORSED.**

10.8 Gx Interface

WI STATUS: New TS has been created, work only recently received from SA2

WID will be presented to next Plenary.

This work item is 10% complete

N3-040263 **Discussion: Gx reference point, Nortel Networks.**

CONTENT: The proposal is to specify Gx simply as a set of AVPs that can be added to the various existing Diameter and RADIUS application messages as requested by the operator specific configuration:

DISCUSSION: LS from SA2 on this subject was unclear and did not identify the relevant issues.

SA2 should have sent a clear LS on this issue as opposed to asking companies to take contributions direct to other WGs.

Some concerns with merging Go and Gx interfaces. Ericsson added that there is some overlapping between the Go and Gx interfaces, and examining the merging could be useful.

Three areas of discussion:

- What is the information that is transferred via the Gx, and how to code them via AVPs.

- Put the AVPs into some DIAMETER application (can be stand alone or re-use existing functionality)
- Do we wish Gx interface to be matched with other interfaces.

Nokia have some concerns for the Nortel proposal.

Is the re-use of Gx interface up to implementers? There are several different ways of doing this. If it is left up to implementers there may be several solutions in the field.

The discussion showed that there are two different approaches, how to specify the Gx interface. Nortel and Siemens are in favour of specifying One interface realizing several reference points. Nokia and Ericsson preferred a "stand alone protocol" realizing the Gx functionality only.

The way forward identified by the meeting was:

- To try to find alignment for the proposed AVPs for Gx functionality proposed in 0300 and 0264,
- Stand-alone protocol has highest priority according stage 2,
- To study possible flexibilities until next meeting,
- To continue with Nokia's TS (0300) and identify impacts because of flexibility.

RESULT: The document was **NOTED.**

N3-040264 **CR 29.061: Introduction of the Gx Reference Point, Nortel Networks.**

CONTENT: Introduces the Gx reference point in 29.061.

DISCUSSION: Wish to align the AVPs for the Gx functionality. The discussions on the use of Radius or Diameter are somewhat premature.

Several companies were not comfortable with the introduction of an option to use Radius or Diameter.

Some offline discussion required with Nokia on this issue.

RESULT: The document was **NOTED.**

N3-040299 **WID: Gx interface specification for flow based charging, Nokia.**

DISCUSSION: Add the TS number [29.910]. Completion dates are short, agreed to push back by one plenary.

RESULT: The document was **REVISED to 0389.**

ß **REVISED** ß

N3-040389 **WID: Gx interface specification for flow based charging, Nokia.**

DISCUSSION: Nortel asked why the number was chosen – would be better to align with the Gy number. The 29 series is mainly used for the interfaces between the PLMN and outside world. Protocols within the PLMN are usually with the 24 series. Also CN3 did not want to step into the series of numbers typically used by SA5.

RESULT: The document was **APPROVED.**

N3-040300 **TS: Charging rule provisioning over Gx interface , Nokia.**

CONTENT: Contains the draft TS is proposed to be approved as a basis for the work to develop a Rel-6 Technical Specification for the Gx reference point.

DISCUSSION: Requirement to align the AVPs to be done offline.

Nortel commented that the proposed structure is not ideal for the Generic definition of AVPs, and this needs some reworking. The joint contribution is contained in 0388

CN3 agree to having a separate TS for the Gx interface.

RESULT: The document was **REVISED into 0422.**

ß **REVISED** ß

N3-040422 **TS: Charging rule provisioning over Gx interface, Nokia.**

DISCUSSION: to be discussed on email.

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

N3-040388 **TS: Charging rule provisioning over Gx interface, Nokia, Nortel.**

RESULT: The document was **REVISED to 0418 before presentation.**

ß **REVISED** ß

N3-040418 **Charging rule provisioning over Gx interface, Nokia, Nortel.**

CONTENT: This discussion paper maps the required information items to Diameters AVPs to be transported over the Gx and proposes them to be approved as a basis for the work and included to the TS 29.210.

DISCUSSION: Have only one filter and identify if it is uplink or downlink in the title. Nokia will check this to see if it aligns with the Gq interface.

Will be merged with the TS and discussed on the CN3 email exploder

The discussion will also include comments on the structure of the TS.

RESULT: The document was **WILL BE MERGED into the new version of the TS (0422).**

N3-040301 **Discussion: Gx additional aspects, Nokia.**

RESULT: The document was **WITHDRAWN.**

10.9 Rx Interface

WI STATUS: EARLY stages of making the WID..

This work item is 5% complete

N3-040268 **A proposed WID on Rx interface specification for flow based charging, Nortel Networks**

DISCUSSION: It is not yet decided if the Rx interface will be defined in a separate specification.

Rapporteur and supporting companies are still required.

As there is much missing information, this will not go to the next CN plenary.

This Work Item will be discussed on the CN3 email exploder.

The WID will be presented to CN3#33 meeting along with initial contributions.

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

10.10 Technical Enhancements & Improvements [TEI]

N3-040302 **CR 27.060: Multiple IMS sessions using the same PDP context, Nokia**

CONTENT: The list of abbreviations is fixed. Handling of binding information for multiplexed sessions has been added. A limitation to multiplex different sessions in the same PDP context has been removed.

DISCUSSION: Some minor changes were made to the text.

Remove last sentence, replace UE with MS. Restrict it to IMS sessions as opposed to AF sessions.

RESULT: The document was **REVISED to 0391.**

ß **REVISED** ß

N3-040391 CR 27.060: Multiple IMS sessions using the same PDP context, Nokia.

DISCUSSION: Clause 3.2 not affected, can be removed.

RESULT: The document was **REVISED to 0412.**

ß **REVISED** ß

N3-040412 CR 27.060: Multiple IMS sessions using the same PDP context, Nokia.

RESULT: The document was **AGREED.**

N3-040303 CR 29.207: Multiple IMS sessions using the same PDP context Nokia

CONTENT: A limitation to multiplex different sessions in the same PDP context has been removed. Handling of binding information for multiplexed sessions has been added. The content of the authorization decision for a multiplexed PDP context has been defined.

DISCUSSION: Nortel ad some concerns with the change but were willing to accept it.

RESULT: The document was **AGREED.**

N3-040304 CR 29.208: Multiple IMS sessions using the same PDP context Nokia

CONTENT: Actions and procedures applied at the release of a session multiplexed with other sessions in the same PDP context have been clarified.

RESULT: The document was **AGREED.**

N3-040345 Interaction of Camel with service change, Ericsson.

RESULT: The document was **POSTPONED to CN3#33 meeting.**

10.11 Other Rel-6 Work Items

11 Release 7

SCHEDULED FOR THURSDAY AFTERNOON

11.1 New Work Items

N3-040334 WID on DIAMETER on the PDG Wi and the GGSN Gi interface, T-mobile.

RESULT: The document was **REVISED to 0392 before presentation.**

ß **REVISED** ß

N3-040392 WID on DIAMETER on the PDG Wi and the GGSN Gi interface, T-mobile.

DISCUSSION: Nokia believe this cannot be done in the Rel-6 timeframe, and would prefer it to be covered in Rel-7. T-mobile confirmed it is also their intention. Has to be reflected in intended completion dates

Dependencies on Wi interface needs to be reflected in the Justification.

Siemens suggested to separate two WIDs for Wi and Gi interfaces, Ericsson supported this. Not really related to the WLAN-UMTS Interworking feature.

29.161 on Wi is an 'existing' specification. Move end date back by 6 months. Rapporteur details need to be completed.

This will be re-presented as two WIDs at the next CN3 meeting.

RESULT: The document was **NOTED.**

12 Joint sessions

NOT FORESEEN AT THE MOMENT

Joint sessions took not place.

13 Elections of CN3 Officials

SCHEDULED FOR TUESDAY 12:00 – 13:00

13.1 Chairman

N3-040258 **Candidature for Ragnar HUSLENDE, Ericsson.**

DISCUSSION: Ragnar was the unique candidate for the position of CN3 Chairman and was welcomed by acclamation to the role of CN3 Chairman. He will assume his responsibilities at the CN3_33 meeting in Sophia.

RESULT: The document was **NOTED.**

13.2 Vice-Chairman

N3-040259 **Candidature for Thomas Belling, Siemens.**

DISCUSSION: Thomas was the unique candidate for the position of second CN3 Vice Chairman and was welcomed by acclamation to his new role. He will assume his responsibilities at the CN3_33 meeting in Sophia.

RESULT: The document was **NOTED.**

14 Work Organization

14.1 Work Plan Review

Work plan will be reviewed by email before the next CN Plenary.

14.2 Specification Review

N3-040390 **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.**

14.3 Next meetings, allocation of hosts

N3-040240 **Meeting Dates for 2004 / 2005, MCC.**

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

RESULT: The document was **NOTED.**

Agreed dates for 2004

Jun 2004				
3GPPCN#24	OR	2 - 4 Jun 2004	Seoul, TTA	KR
Aug 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	16 - 20 Aug 2004	Sophia, ETSI	FR
Sep 2004				
3GPPCN#25	OR	8 - 10 Sep 2004	Palm Springs, NA Friends	US
Nov 2004				
Joint CN WG Meeting (CN1, 2, 3, 4,5)	WG	15 - 19 Nov 2004	Pusan, Korea	KR
Dec 2004				
3GPPCN#26	OR	8 - 10 Dec 2004	Athens, EF3	GR

Fixed dates for CN plenary and proposed Dates for CN WGs for 2005

Date	**Meeting**	**Place**	**Host**
14-18 Feb 2005	CN WGs	Australia, ***t.b.c***	Japanese Friends of 3GPP
09 – 11 March 2005	CN plenary #27	Tokyo; JAPAN	Japanese Friends of 3GPP
09-14 Mai 2005 or 25-30 Apr 2005	CN WGs	TBD	TBD
01 – 03 June 2005	CN plenary #28	Tallin; ESTONIA	EF3
22-26 Aug 2005	CN WGs	TBD	TBD
21 – 23 Sept. 2005	CN plenary #29	TBD; US	US Friends of 3GPP
07-12 Nov 2005	CN WGs	TBD	TBD
30 Nov – 2 Dec 2005	CN plenary #30	TBD, MALTA	EF3

15 Summary of results

15.1 Work Items

Tdoc	Title	Release	Source
N3-040389	Gx interface specification for flow based charging	Rel-6	Nokia

1 WID was agreed by CN3, to be sent to the next TSG-CN Plenary for Approval:

15.2 Liaison Statements

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

Tdoc	Title	to	Cc	Attachm
N3-040375	LS on Assignment of the Diameter codes and identifiers for the Rel-6 Gq interface	CN4	-	29.209 v0.1.0
N3-040405	LS on Generation of multiple authorization tokens	SA2	-	-
N3-040421	LS on Re-use of RADIUS attributes within the 3gpp specific vendor id	CN4	-	-

15.3 TRs / TSs

N3-040424	TS	29.209	V 0.2.0

1 TS/TR(s) was agreed to be sent to the next TSG-CN Plenary for Information.

15.4 Change Requests

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

Tdoc	Title	Spec	CR	Rev	Cat	Rel	Work Item
N3-040363	Addition of network initiated in-call modification	27.001	105	1	F	R99	TEI
N3-040364	Addition of network initiated in-call modification	27.001	106	1	A	Rel-4	TEI
N3-040365	Addition of network initiated in-call modification	27.001	107	1	A	Rel-5	TEI
N3-040412	Multiple IMS sessions using the same PDP context	27.060	089	2	B	Rel-6	TEI
N3-040366	Addition of network initiated in-call modification	29.007	097	1	F	R99	TEI
N3-040367	Addition of network initiated in-call modification	29.007	098	1	A	Rel-4	TEI
N3-040368	Addition of network initiated in-call modification	29.007	099	1	A	Rel-5	TEI
N3-040305	QoS profile length	29.061	116			Rel-4	TEI
N3-040306	QoS profile length	29.061	117			Rel-5	TEI
N3-040307	QoS profile length	29.061	118			Rel-6	TEI
N3-040393	Gmb Introduction	29.061	114	1	B	Rel-6	MBMS
N3-040386	Command to indicate Session Start/Stop	29.061	113	1	B	Rel-6	MBMS
N3-040411	Gmb Message Flows. Improvements	29.061	112	2	B	Rel-6	MBMS
N3-040410	Gmb Commands and AVPs (II)	29.061	111	2	B	Rel-6	MBMS
N3-040308	Correction of sub-clause 7.2.3.2.5.1 Backward call indicators	29.163	046			Rel-6	IMS-CCR-IWCS
N3-040349	Codec Negotiation between BICC CS networks and the IM CN subsystem	29.163	040	1	B	Rel-6	IMS-CCR-IWCS
N3-040350	Codec negotiation incoming call interworking	29.163	041	1	B	Rel-6	IMS-CCR-IWCS
N3-040286	Notify IMS RTP Tel Event message sequence	29.163	045		F	Rel-6	IMS-CCR-IWCS
N3-040396	Codec negotiation Mid call interworking	29.163	042	2	B	Rel-6	IMS-CCR-IWCS
N3-040397	MGCF IM-MGW interaction	29.163	044	2	B	Rel-6	IMS-CCR-IWCS
N3-040352	Codec parameter translation between BICC CS network and the IM CN subsystem	29.163	043	1		Rel-6	IMS-CCR-IWCS
N3-040398	DRQ Sub-code	29.207	126	2	F	Rel-5	E2EQoS
N3-040399	PDP context modification without binding information	29.207	130	2	F	Rel-5	E2EQoS

N3-040303	Multiple IMS sessions using the same PDP context	29.207	129		B	Rel-6	TEI
N3-040395	Media component removal flow	29.208	070	3	F	Rel-5	E2EQoS
N3-040304	Multiple IMS sessions using the same PDP context	29.208	069		B	Rel-6	TEI

27 CRs AGREED at this meeting

15.5 Other

None.

16 Any other business

none

17 Close of meeting

Norbert closed the 32 meeting on Friday 14th May at 12:30, and thanked the hosts for the excellent meeting location and arrangements.

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

As this was Norbert's final meeting as CN3 chair, there was a presentation of kind words and a small token of CN3's recognition of all that Norbert has brought to CN3 over the past 5 years. He will be sorely missed and CN3 wishes him all the best as Siemens representative to CN Plenary.

Annex A: List of CN3 Meeting Participants

Ms. Susanna Kallio	Nokia Japan Co, Ltd	3GPPMEMBER (ARIB)	FI	+358 40 740 9449	susanna.kallio@nokia.com
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22 PARTICIPANTS

Annex B: List of documents

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040251	1	Agenda	Draft Agenda for CN3#32	CN3 chair				Approved
N3-040252	3	DAD	Allocation of documents to agenda items (at deadline)	CN3 Chair				Noted
N3-040253	3	DAD	Allocation of documents to agenda items (end of Day1)	CN3 Chair				Noted
N3-040254	3	DAD	Allocation of documents to agenda items (end of Day2)	CN3 Chair				Noted
N3-040255	3	DAD	Allocation of documents to agenda items (end of Day3)	CN3 Chair				Noted
N3-040256	3	DAD	Allocation of documents to agenda items (end of Day4)	CN3 Chair				Noted
N3-040257	3	DAD	Allocation of documents to agenda items (end of Day5)	CN3 Chair				Noted
N3-040258	13.1	Candidature	Candidature for Ragnar HUSLENDE	Ericsson				Noted
N3-040259	13.2	Candidature	Candidature for Thomas Belling	Siemens				Noted
N3-040260	4.1	Report	Draft Report from CN3#31b	MCC				Revised in 323
N3-040261		LS in	Reply LS on early media and IMS/CS interworking	TSG CN WG1				Noted
N3-040262		LS in	LS on Assignment of the Diameter codes and identifiers	TSG CN WG4				Noted
N3-040263	10.8	Discussion	Gx reference point	Nortel Networks				noted
N3-040264	10.8	CR	Introduction of the Gx Reference Point	Nortel Networks	29.061	110	Rel-6	Noted
N3-040265	10.6	CR	Gmb Commands and AVPs (II)	Nortel Networks	29.061	111	Rel-6	Revised in 385

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040266	10.6	CR	Gmb Message Flows. Improvements	Nortel Networks	29.061	112	Rel-6	Revised in 384
N3-040267	10.6	CR	Command to indicate Session Start/Stop	Nortel Networks	29.061	113	Rel-6	Revised in 386
N3-040268	10.9	WID	A proposed WID on Rx interface specification for flow based charging	Nortel Networks				Postponed to next meeting
N3-040269	10.4	[CR]	Clarify the use of Agents in Gq	Nortel Networks	29.209		Rel-6	Agreed
N3-040270	10.2	CR	Codec Negotiation between BICC CS networks and the IM CN subsystem	Lucent	29.163	040	Rel-6	Revised in 349
N3-040271	10.2	CR	Codec negotiation incoming call interworking	Lucent	29.163	041	Rel-6	Revised in 350
N3-040272	10.2	CR	Codec negotiation Mid call interworking	Lucent	29.163	042	Rel-6	Revised in 351
N3-040273	10.2	CR	Codec parameter translation between BICC CS network and the IM CN subsystem	Lucent	29.163	043	Rel-6	Revised in 352
N3-040274	10.2	CR	MGCF IM-MGW interaction	Lucent	29.163	044	Rel-6	Revised in 353
N3-040275	10.6	CR	Gmb Introduction	Nortel Networks	29.061	114	Rel-6	Revised in 393
N3-040276	10.6	CR	Gmb messages flows	Nortel Networks	29.061	115	Rel-6	Not agreed
N3-040277	6.1	Discussion	Inconsistencies and omissions concerning the description of the network initiated in-call modification in TS 24.008, TS 27.001 and TS 29.007	Siemens				Noted
N3-040278	6.1	CR	Addition of network initiated in-call modification	Siemens	27.001	105	R99	Revised in 363
N3-040279	6.1	CR	Addition of network initiated in-call modification	Siemens	27.001	106	Rel-4	Revised in 364
N3-040280	6.1	CR	Addition of network initiated in-call modification	Siemens	27.001	107	Rel-5	Revised in 365
N3-040281	6.1	CR	Addition of network initiated in-call modification	Siemens	29.007	097	R99	Revised in 366

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040282	6.1	CR	Addition of network initiated in-call modification	Siemens	29.007	098	Rel-4	Revised in 367
N3-040283	6.1	CR	Addition of netw ork initiated in-call modification	Siemens	29.007	099	Rel-5	Revised in 368
N3-040284	6.1	Discussion	Correction of the network initiated in-call modification	Siemens				Noted
N3-040285	9.1	CR	DRQ Sub-code	Nokia	29.207	126	Rel-5	Revised in 347
N3-040286	10.2	CR	Notify IMS RTP Tel Event message sequence	Nokia, Siemens	29.163	045	Rel-6	Agreed
N3-040287	10.4	[CR]	Session Component Description	Nokia	29.209		Rel-6	Revised in 355
N3-040288	10.4	[CR]	Application- Identifier AVP	Nokia	29.209		Rel-6	Revised in 356
N3-040289	10.4	[CR]	Bearer Authorization Info Policy AVP	Nokia	29.209		Rel-6	Not agreed
N3-040290	10.4	[CR]	Media- Type AVP	Nokia	29.209		Rel-6	Revised in 382
N3-040291	10.4	[CR]	Max Bandwidth AVP	Nokia	29.209		Rel-6	Revised in 358
N3-040292	10.4	[CR]	Service information	Nokia	29.209		Rel-6	Merged
N3-040293	10.4	CR	DRQ Sub-code	Nokia	29.207	127	Rel-6	Revised in 362
N3-040294	10.4	CR	SBLP Decisions	Nokia	29.207	128	Rel-6	Revised in 380
N3-040295	10.4	[CR]	SBLP Decisions in IMS	Nokia	29.209		Rel-6	Revised in 381
N3-040296	10.4	Discussion	Filtering	Nokia				Withdrawn
N3-040297	10.4	Discussion	IP Flow / Media Component granularity	Nokia				Merged

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040298	10.7	CR	Interworking between PLMN with WLAN access and PDN	Nokia	29.161	001	Rel-6	Agreed
N3-040299	10.8	WID	Gx interface specification for flow based charging	Nokia				Revised in 389
N3-040300	10.8	[TS]	Charging rule provisioning over Gx interface	Nokia				Revised in 422
N3-040301	10.8	Discussion	Gx additional aspects	Nokia				Withdrawn
N3-040302	10.10	CR	Multiple IMS sessions using the same PDP context	Nokia	27.060	089	Rel-6	Revised in 391
N3-040303	10.10	CR	Multiple IMS sessions using the same PDP context	Nokia	29.207	129	Rel-6	Agreed
N3-040304	10.10	CR	Multiple IMS sessions using the same PDP context	Nokia	29.208	069	Rel-6	Agreed
N3-040305	8.1	CR	QoS profile length	Ericsson	29.061	116	Rel-4	Agreed
N3-040306	9.3	CR	QoS profile length	Ericsson	29.061	117	Rel-5	Agreed
N3-040307	10.10	CR	QoS profile length	Ericsson	29.061	118	Rel-6	Agreed
N3-040308	10.2	CR	Correction of sub-clause 7.2.3.2.5.1 Backward call indicators	Ericsson	29.163	046	Rel-6	Agreed
N3-040309	9.1	CR	PDP context modification without binding information	Siemens	29.207	130	Rel-5	Revised in 394
N3-040310	9.1	CR	Media component removal flow	Siemens	29.208	070	Rel-5	Revised in 335
N3-040311	10.4	[CR]	[CR 29.208] Media component removal flow	Siemens				Revised in 373
N3-040312	10.4	[CR]	[CR 29.208] General Mapping	Siemens				Revised in 376
N3-040313	10.4	[CR]	[CR 29.208] Service information mapping	Siemens				Withdrawn

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040314	10.4	[CR]	[CR 29.209] Flow AVP	Siemens				Revised in 359
N3-040315	10.4	Discussion	Flow description	Siemens				Withdrawn
N3-040316	10.4	[CR]	[CR 29.209] Flow description	Siemens				Revised in 369
N3-040317	10.4	[CR]	[CR 29.209] Service information	Siemens				Merged
N3-040318	10.4	[CR]	[CR 29.209] Gate Control	Siemens				Revised in 370
N3-040319	10.4	[CR]	[CR 29.209] Access-Network-Charging-Identifier in AAA	Siemerns				Agreed
N3-040320	10.4	[CR]	[CR 29.209] Gq-Specific-Action AVP	Siemens				Revised in 357
N3-040321	10.4	Discussion	Multiple authorization token generation in the PDF	ORANGE				Revised in 342
N3-040322	10.4	[CR]	Gq session abort cause codes	Nokia				Revised in 387
N3-040323	4.1	Report	Draft Report from CN3#31b	MCC				Approved
N3-040324	10.4	[CR]	[CR 29.209] reused Diameter AVPs at the Gq interface	Siemens				Revised in 378
N3-040325	10.4	[CR]	[CR 29.209] Service information terminology	Siemens				Merged into 0355
N3-040326	10.4	[CR]	[CR 29.209] Remove Session Authorization Type AVP	Siemens				Agreed
N3-040327	10.4	[CR]	[CR 29.208] Service information mapping with IpFilterType	Siemens				Revised in 374
N3-040328	10.4	[CR]	"[CR 29.209] Flow IDs included in Access-Network-Charging-Identifier"	Siemens				Agreed
N3-040329		TS	29.208 inofficial Rel.6 v2.1	Siemens				Noted

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040330		LS in	LS on Gx reference point	TSG SA WG2				Noted
N3-040331		LS in	LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0	TSG SA WG2				Postponed to next meeting
N3-040332		LS in	Reply LS to Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0	TSG SA WG2				Postponed to next meeting
N3-040333		LS in	request for Comments on LS	WiFi alliance				Noted
N3-040334	11.1	WID	DIAMETER on the PDG Wi and the GGSN Gi interface	T-Mobile				Revised in 392
N3-040335	9.1	CR	Media component removal flow	Siemens	29.208	070r1	Rel-5	Revised in 348
N3-040336	10.4	[CR]	[CR 29.208] Media component removal flow	Siemens				Revised in 373
N3-040337		LS in	LS reply to RTP / RTCP split	TSG SA WG2				Noted
N3-040338		LS in	Reply LS on early media and IMS/CS interworking	TSG SA WG2				Noted
N3-040339		LS in	Reply LS on impacts of multiple IMS sessions using the same PDP Context	TSG SA WG2				Noted
N3-040340	14.3	Discussion	Calendar suggestions for 2005	MCC				Noted
N3-040341	10.4	CR	Gq actions at PDP context release	Nokia	29.208	071	Rel-6	Agreed
N3-040342	10.4	Discussion	Multiple authorization token generation in the PDF	ORANGE				Noted
N3-040343	10.4	[CR]	Generic Service description for Gq	Ericsson	29.209		Rel-6	Revised in 372
N3-040344	10.4	CR	Generic description for Qos Mapping	Ericsson	29.208	072	Rel-6	Noted
N3-040345	10.4	CR	Interaction of Camel with serivce change	Ericsson	23.172	026	Rel-6	Postponed to next meeting

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040346	7	LS out	LS out to CN4 on request for numers	CN3				Revised in 354
N3-040347	9.1	CR	DRQ Sub-code	Nokia	29.207	126r1	Rel-5	Revised in 398
N3-040348	9.1	CR	Media component removal flow	Siemens	29.208	070r2	Rel-5	Revised in 395
N3-040349	10.2	CR	Codec Negotiation between BICC CS networks and the IM CN subsystem	Lucent	29.163	040r1	Rel-6	Agreed
N3-040350	10.2	CR	Codec negotiation incoming call interworking	Lucent	29.163	041r1	Rel-6	Agreed
N3-040351	10.2	CR	Codec negotiation Mid call interworking	Lucent	29.163	042r1	Rel-6	Revised in 396
N3-040352	10.2	CR	Codec parameter translation between BICC CS network and the IM CN subsystem	Lucent	29.163	043r1	Rel-6	Agreed
N3-040353	10.2	CR	MGCF IM-MGW interaction	Lucent	29.163	044r1	Rel-6	Revised in 397
N3-040354	7	LS out	LS on Assignment of the Diameter codes and identifiers	CN3				Revised in 375
N3-040355	10.4	[CR]	Session Component Description	Nokia, Siemens	29.209	r1	Rel-6	Revised in 400
N3-040356	10.4	[CR]	Application-Identifier AVP	Nokia	29.209	r1	Rel-6	Revised in 383
N3-040357	10.4	[CR]	[CR 29.209] Gq-Specific-Action AVP	Siemens				Agreed
N3-040358	10.4	[CR]	Max Bandwidth AVP	Nokia	29.209	r1	Rel-6	Revised in 379
N3-040359	10.4	[CR]	[CR 29.209] Media component and Flownumber AVP	Siemens				Revised in 402
N3-040360	10.4	[CR]	[CR 29.209] Flow AVP	Siemens				Agreed
N3-040361	10.4	[CR]	[CR 29.209] Media component and Flownumber AVP	Siemens				Revised in 403

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040362	10.4	CR	DRQ Sub-code	Nokia	29.207	127r1	Rel-6	Revised in 401
N3-040363	6.1	CR	Addition of network initiated in-call modification	Siemens	27.001	105r1	R99	Agreed
N3-040364	6.1	CR	Addition of network initiated in-call modification	Siemens	27.001	106r1	Rel-4	Agreed
N3-040365	6.1	CR	Addition of network initiated in-call modification	Siemens	27.001	107r1	Rel-5	Agreed
N3-040366	6.1	CR	Addition of network initiated in-call modification	Siemens	29.007	097r1	R99	Agreed
N3-040367	6.1	CR	Addition of network initiated in-call modification	Siemens	29.007	098r1	Rel-4	Agreed
N3-040368	6.1	CR	Addition of network initiated in-call modification	Siemens	29.007	099r1	Rel-5	Agreed
N3-040369	10.4	[CR]	[CR 29.209] Flow description	Siemens				Revised in 404
N3-040370	10.4	[CR]	[CR 29.209] Gate Control	Siemens				Agreed
N3-040371	10.4	[CR]	Direction dependant value for media control status	Siemens	29.209			Withdrawn
N3-040372	10.4	[CR]	Generic Service description for Gq	Ericsson	29.209	r1	Rel-6	Revised in 407
N3-040373	10.4	[CR]	[CR 29.208] Media component removal flow	Siemens				Revised in 419
N3-040374	10.4	[CR]	[CR 29.208] Service information mapping with IpFilterType	Siemens				Revised in 408
N3-040375	7	LS out	LS on Assignment of the Diameter codes and identifiers	CN3				Approved
N3-040376	10.4	[CR]	[CR 29.208] General Mapping	Siemens				Revised in 413
N3-040377	10.4	LS out	LS to SA2 on the issue of authorization token generation in the PDF	cn3				Revised in 406

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040378	10.4	[CR]	[CR 29.209] reused Diameter AVPs at the Gq interface	Siemens				Agreed
N3-040379	10.4	[CR]	Max Bandwidth AVP	Nokia	29.209	r2	Rel-6	Agreed
N3-040380	10.4	CR	SBLP Decisions	Nokia	29.207	128r1	Rel-6	Withdrawn
N3-040381	10.4	[CR]	SBLP Decisions in IMS	Nokia	29.209	r1	Rel-6	Withdrawn
N3-040382	10.4	[CR]	Media-Type AVP	Nokia	29.209	r1	Rel-6	Agreed
N3-040383	10.4	[CR]	Application-Identifier AVP	Nokia	29.209	r2	Rel-6	Agreed
N3-040384	10.6	CR	Gmb Message Flows. Improvements	Nortel Networks	29.061	112r1	Rel-6	Revised in 411
N3-040385	10.6	CR	Gmb Commands and AVPs (II)	Nortel Networks	29.061	111r1	Rel-6	Revised in 410
N3-040386	10.6	CR	Command to indicate Session Start/Stop	Nortel Networks	29.061	113r1	Rel-6	Agreed
N3-040387	10.4	[CR]	Gq session abort cause codes	Nokia				Revised in 406
N3-040388	10.8	[TS]	Charging rule provisioning over Gx interface	Nokia, Nortel				Revised in 418
N3-040389	10.8	WID	Gx interface specification for flow based charging	Nokia				Approved
N3-040390		Report	Status of CN3 specifications following CN_22 meeting	MCC				Noted
N3-040391	10.10	CR	Multiple IMS sessions using the same PDP context	Nokia	27.060	089r1	Rel-6	Revised in 412
N3-040392	11.1	WID	DIAMETER on the PDG Wi and the GGSN Gi interface	T-Mobile				Noted
N3-040393	10.6	CR	Gmb Introduction	Nortel Networks	29.061	114r1	Rel-6	Agreed

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040394	9.1	CR	PDP context modification without binding information	Siemens	29.207	130r1	Rel-5	Revised in 399
N3-040395	9.1	CR	Media component removal flow	Siemens	29.208	070r3	Rel-5	Agreed
N3-040396	10.2	CR	Codec negotiation Mid call interworking	Lucent	29.163	042r2	Rel-6	Agreed
N3-040397	10.2	CR	MGCF IM-MGW interaction	Lucent	29.163	044r2	Rel-6	Agreed
N3-040398	9.1	CR	DRQ Sub-code	Nokia	29.207	126r2	Rel-5	Agreed
N3-040399	9.1	CR	PDP context modification without binding information	Siemens	29.207	130r2	Rel-5	Agreed
N3-040400	10.4	[CR]	Session Component Description	Nokia, Siemens	29.209	r2	Rel-6	Agreed
N3-040401	10.4	CR	DRQ Sub-code	Nokia	29.207	127r2	Rel-6	Revised in 415
N3-040402	10.4	[CR]	[CR 29.209] Media component and Flownumber AVP	Siemens				Revised in 416
N3-040403	10.4	[CR]	[CR 29.209] Media component and Flownumber AVP	Siemens				Agreed
N3-040404	10.4	[CR]	[CR 29.209] Flow description	Siemens				Agreed
N3-040405	10.4	LS out	LS to SA2 on the issue of authorization token generation in the PDF	cn3				Approved
N3-040406	10.4	[CR]	Gq session abort cause codes	Nokia				Agreed
N3-040407	10.4	[CR]	Generic Service description for Gq	Ericsson	29.209	r2	Rel-6	Agreed
N3-040408	10.4	[CR]	[CR 29.208] Service information mapping with IpFilterType	Siemens				Revised in 420
N3-040409	10.6	LS out	LS to CN4 - re-use of radius attributes within the 3GPP specific vendor ID.	CN3				Revised in 421

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040410	10.6	CR	Gmb Commands and AVPs (II)	Nortel Networks	29.061	111r2	Rel-6	Agreed
N3-040411	10.6	CR	Gmb Message Flows. Improvements	Nortel Networks	29.061	112r2	Rel-6	Agreed
N3-040412	10.10	CR	Multiple IMS sessions using the same PDP context	Nokia	27.060	089r2	Rel-6	Agreed
N3-040413	10.4	[CR]	[CR 29.208] General Mapping	Siemens				Revised in 423
N3-040414	10.7	WID	Revision of WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking	Lucent				Revised in 417
N3-040415	10.4	CR	DRQ Sub-code	Nokia	29.207	127r3	Rel-6	Agreed
N3-040416	10.4	[CR]	[CR 29.209] Media component and Flownumber AVP	Siemens				Agreed
N3-040417	10.7	WID	Revision of WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking	Lucent				Endorsed
N3-040418	10.8	[TS]	Charging rule provisioning over Gx interface	Nokia, Nortel				Noted
N3-040419	10.4	[CR]	[CR 29.208] Media component removal flow	Siemens				Agreed
N3-040420	10.4	[CR]	[CR 29.208] Service information mapping with IpFilterType	Siemens				email approval
N3-040421	10.6	LS out	LS to CN4 - re-use of radius attributes within the 3GPP specific vendor ID.	CN3				Approved
N3-040422	10.8	[TS]	Charging rule provisioning over Gx interface	Nokia				email discussion
N3-040423	10.4	[CR]	[CR 29.208] General Mapping	Siemens				Agreed
N3-040424	10.4	TS	TS 29.209 v0.2.0	Nokia				email
N3-040425	10.4	TS	TS 29.207 unofficial version v3	Siemens				email

Tdoc	Agenda	Type	Title	Source	Spec	CR	Release	'Decision'
N3-040426	10.4	TS	29.208 unofficial version v3	Siemens				email

176 documents treated at this meeting

History:

Document History	
17th May 2004	DRAFT v1.1.0 dispatched by e-mail exploder to the CN3 list. Comments, if any, to be addressed to: David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 e-mail: david.boswarthick@ETSI.org A deadline of 1 week was given to the CN3 delegates for e-mail comments on the draft report. **Comments back by 25th May 2004**
Xxx	Updated DRAFT v2.0.0 placed to the server
Xxx	N3-040 [v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#31 meeting. Updated to N3-040xyz and placed to the server as v3.0.0.