



## Third Generation Partnership Project

### MEETING REPORT v3.0.0

#### 3GPP TSG CN WG 3 Meeting #22

Fort Lauderdale, U.S.A  
8<sup>th</sup> - 12<sup>th</sup> April, 2002.



Hosted by

North American Friends of 3GPP

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**Vice Chairman:** None.

**MCC Support:** David Boswarthick, ETSI MCC. [david.boswarthick@etsi.fr](mailto:david.boswarthick@etsi.fr)

## Table of contents

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1	Opening of the Meeting.....	4
2	Approval of the agenda.....	4
3	Registration of documents .....	4
4	Reports .....	5
4.1	Report of last CN3(s).....	5
4.2	Reports from last CN .....	5
4.3	Reports of other groups .....	7
5	IPR disclosures .....	7
6	Items for immediate consideration.....	7
7	Received Liaison Statements.....	8
8	Release 4 and earlier .....	12
8.1	GPRS .....	12
8.1.1	IPv6 issues.....	12
8.1.2	RADIUS issues .....	15
8.2	Circuit switched Bearer Services.....	18
8.3	Bearer Independent Circuit switched Core network.....	18
8.4	Technical Enhancements & Improvements (TEI).....	18
9	Release 5 .....	20
9.1	Interworking between IM subsystem and IP .....	20
9.2	Interworking between IM Subsystem with CS.....	20
9.3	e2e QoS for IM Subsystem.....	21
9.3.1	General .....	21
9.3.2	29.207 .....	21
9.3.2.1	Go i/f functionality .....	21
9.3.2.2	Combination of IP flows .....	22
9.3.2.3	SBLP .....	23
9.3.2.4	Binding.....	25
9.3.2.5	Authorised QoS .....	26
9.3.2.6	Error cases,.....	27
9.3.2.7	Packet filters .....	27
9.3.2.8	Message description .....	28
9.3.2.9	Capabilities negotiation .....	29
9.3.2.10	DiffServ.....	29
9.3.2.11	TCP .....	30
9.3.2.12	Multiple PCFs .....	30
9.3.2.13	Go PIB .....	30
9.3.3	29.208.....	31
9.4	Service change and UDI fall back.....	33
9.5	Other Rel-5 Work Items .....	35
9.5.1	New WIDs .....	35
9.5.2	QoS impacts on GPRS .....	37
10	Joint sessions .....	37

11	Work Organization .....	37
11.1	Work Plan Review .....	37
11.2	Specification Review .....	37
11.3	Future Work .....	38
11.4	Next meetings, allocation of hosts .....	38
12	Summary of results .....	39
12.1	Work Items .....	39
12.2	Liaison Statements .....	39
12.3	Change Requests .....	39
12.4	TRs / TSs .....	40
12.5	Other .....	40
12.6	Summary of Action Points .....	40
13	Any other business .....	40
14	Close of meeting .....	40
Annex A:	List of CN3 Meeting Participants .....	41
Annex B:	List of documents .....	42
History:	53	

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## 1 Opening of the Meeting

The 22<sup>nd</sup> CN3 meeting took place from 8<sup>th</sup> - 12<sup>th</sup> April 2002 in Fort Lauderdale, Florida, USA.

Mr Stephen Hayes welcomed the CN3 delegates to Fort Lauderdale on behalf of the host, and explained the logistical details for the rest of the week.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday 8<sup>th</sup>.

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## 2 Approval of the agenda

The meeting documents are available on the 3GPP server:-

[ftp://ftp.3gpp.org/tsg\\_cn/WG3\\_interworking/TSGN3\\_22\\_Ft\\_Lauderdale/](ftp://ftp.3gpp.org/tsg_cn/WG3_interworking/TSGN3_22_Ft_Lauderdale/)

**N3-020172: CN3#22 Draft Meeting Agenda.** Presented by the CN3 Chairman.

**CONTENT:** Contains the draft Agenda for CN3#22 Meeting.

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

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

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## 3 Registration of documents

**N3-020179: Allocation of documents to Agenda items for CN3#22 (Start Day 1).** Presented by CN3 Chairman.

**CONTENT:** Shows the allocation of meeting documents to agenda items at the start of day1.

**DISCUSSION:** Complied on the weekend before the meeting (after the deadline for documents was over). Includes documents that were received after the deadline. Some changes were requested and included in next version (N3-020180).

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

**N3-020180: Allocation of documents to Agenda items for CN3#22 (Start Day 2).**

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

**N3-020181: Allocation of documents to Agenda items for CN3#22 (Start Day 3).**

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

**N3-020182: Allocation of documents to Agenda items for CN3#22 (Start Day 4).**

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

**N3-020183: Allocation of documents to Agenda items for CN3#22 (Start Day 5).**

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

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## 4 Reports

### 4.1 Report of last CN3(s)

**N3-020173:** **CN3#21 Draft Meeting Report.** Presented by David Boswarthick, MCC.

**CONTENT:** Contains the draft meeting report for the CN3#21 held in Sophia, France  
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 and the report placed to the meeting server.**

**N3-020174:** **CN3#21bis Draft Meeting Report.** Presented by David Boswarthick, MCC.

**CONTENT:** Contains the draft meeting report for the CN3#21bis held in Sophia, France

**RESULT:** The document was **APPROVED and the report placed to the meeting server.**

### Review of Action Items from last CN3

ACTION NUMBER	OWNER	DESCRIPTION	TARGET DATE	NOTES	STATUS
N3_20_06	DAB	Check usage of term GSM in section 2 of the TS template.	by N3#21	Deleted	CLOSED
N3_21_01	Johanna Wild	examine the impacts of IPv6 auto configuration on 29.061 & 27.060	by N3#22		OPEN
N3_21_02	DAB	place N3-020113- Draft TS29.162 to the Draft Spec area of the 3GPP Server	by 10 <sup>th</sup> Feb		DONE
N3_21_03	DAB	place N3-020115- Draft TS29.163 to the Draft Spec area of the 3GPP Server	by 10 <sup>th</sup> Feb		DONE
N3_20_04	DAB	place N3-020120- Draft TS29.207 to the Draft Spec area of the 3GPP Server	by 10 <sup>th</sup> Feb		DONE
N3_20_05	DAB	place N3-020121- Draft TS29.208 to the Draft Spec area of the 3GPP Server	by 10 <sup>th</sup> Feb		DONE
N3_20_06	DAB	will distribute the updated version of 3GPP work plan by email for comments	by 10 <sup>th</sup> Feb		DONE

### 4.2 Reports from last CN

**N3-020175:** **NP#15 Draft Meeting Report.** Presented by David Boswarthick, MCC.

**CONTENT:** Contains the latest version of the draft meeting report from the NP#15 meeting.

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

**N3-020176:** **Brief notice from CN#15 plenary to CN3.** Presented by CN3 Chair.

**CONTENT:** Contains the e-mail advice sent to CN3 by the CN3 chair containing details of the major decisions taken at NP#15.

1. CN3's status report given in NP-020070 was noted. The meeting reports of CN3#21 (Sophia Antipolis) and CN#21bis (Sophia Antipolis) by MCC provided in NP-020071 and NP-020072 were also noted.
2. The Liaison Statements sent by CN3 are contained in NP-020073. They were noted.
3. CN3's change requests in NP-020080 (GPRS-RADIUS), NP-020081 (Fax), NP-020082 (CSSPLIT), NP-020084 (TEI\_5: single numbering scheme) and NP-020085 (TEI\_5: update of terminology) were approved as provided by CN3.
4. CN1's and CN3's Change Requests (NP-020041 and NP-020083) regarding SCUDIF were not approved and are referred back to the WGs. SA1 requests the additional specification of the interworking to ISUP. For more details see the Liaison Statements in NP-020012 and NP-020013. This WI is still for Rel-5 and has to be completed in June 2002.

5. The Work Item description sheet on "Interworking IMS with IP" needed some further updates. It was requested to add TR ab.cde in the table of new specifications. Also the information concerning 29.228 and 29.229 were updated since both of the specifications were approved at CN#15. Finally, CN1 was removed as secondary responsible WG for TS 29.162. The latest version of the WID approved by CN#15 is in NP-020091. The proposed completion dates were accepted. SA#15 has moved this Work Item to Rel-6.
6. The proposal to move the completion dates of the Work Item on "Interworking IMS with CS" to June 2003 was not accepted. Instead of this December 2002 was agreed in CN. The final version of this WID approved by CN#15 is in NP-020090. The information I have got from SA#15 say that this WI should be split into a Rel-5 and a Rel-6 part. We still have to find out, how and when this should be done, see also NP-020136.
7. The Work Item description sheet on "End to end QoS, stage 3" was also updated because the work for TS 24.008 was completed at CN#15. This information was added and the final version provided in NP-020092 was approved. SA#15 has confirmed that this WI is for Rel-5.
8. The presented specifications TS 29.162 in NP-020076, TS 29.163 in NP-020077, TS 29.207 in NP-020078 and TS 29.208 in NP-020079 were noted.
9. CN#15 has forwarded the following Liaison Statements to CN3 for further considerations:
  - LS on Prefix allocation for IPv6 stateless address autoconfiguration by SA2 (S2-020910 / NP-020014): this is an update of a version we have already seen in CN3
  - LS on adapting to IETF improvements contained in "unified draft" by SA2 (S2-020914 / NP-020015)
  - LS on proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol development based on IP transfer capabilities and IP QoS classes by ITU-T SG13 (NP-020098)
  - LS as response to liaison statement on Generic QoS Service Requirements by ITU-T SG13 (NP-020122).
10. Document NP-020134 contains RFC numbers recently allocated by IETF to be used in our specifications.
11. Document NP-020088 contains a WID for Multimedia Broadcast Multicast Services (MBMS) referred to CN1, CN3 and CN4 to check the impact.

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

**N3-020186** **CN Slide presentation to SA#15.** Presented by CN3 Chair.

**CONTENT:** Contains the slides presented by the CN Chairman to SA#15 meeting.

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

### 4.3 Reports of other groups

**N3-020177**      **Notice to CN following SA#15.** Presented by CN3 Chair.

**CONTENT:**      Contains the e-mail advice sent to CN by the CN chair containing a summary of the major decisions taken at NP#15 / SA#15.

**Activities by WG:**

The following are the actions requested by the CN and SA plenaries for the CN WGs. Note that the supporting companies are still required to introduce the appropriate contributions into the WGs to ensure that the actions occur.

**Looking at the CN3 Actions only:**

Review liaisons on QoS from ITU-T SG13 (NP-020098, NP-020122). Note that these are only inputs into ITU-T SG-11 so no work should be initiated due to this proposed input.

Revise CRs for Service Change and UDI fallback to incorporate the handling of pre-Release 99 mobiles and ISUP interworking.

Provide comments on WID for MBMS (NP-020088) to CN1.

SA recommended that the WID for IMS<->CS interworking be re-scoped to eliminate the actual parameter mappings with the goal towards completion in June. A new WID for extended IMS<->CS interworking would be introduced to include the parameter mapping at a later date. CN3 to review this proposal and determine if it makes sense. If so, then restructure the work accordingly.

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

**N3-020178:**      **SA#15 Draft Meeting Report.** Presented by David Boswarthick, MCC.

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

**N3-020196**      **RFC Numbers Allocated by IETF** (NP-020134),CN Chair.

**CONTENT:**      1. RFC 3261 SIP: Session Initiation Protocol <draft-ietf-sip-rfc2543bis-09.txt>  
2. RFC 3262 Reliability of Provisional Responses in SIP <draft-ietf-sip-100rel-06.txt>  
3. RFC 3263 SIP: Locating SIP Servers <draft-ietf-sip-srv-06.txt>  
4. RFC 3264 Offer/Answer Model with SDP <draft-ietf-mmusic-sdp-offer-answer-02.txt>  
5. RFC 3265 SIP-Specific Event Notification <draft-ietf-sip-events-05.txt>  
6. RFC 3266 Support for IPv6 in SDP <draft-ietf-mmusic-sdp-ipv6-02.txt>  
7. RFC 3267 RTP payload format and file storage format for the Adaptive Multi-Rate (AMR) Adaptive Multi-Rate Wideband (AMR-WB) audio codecs <draft-ietf-avt-rtp-amr-13.txt>  
8. RFC 3268 AES Ciphersuites for TLS <draft-ietf-tls-ciphersuite-06.txt>  
The references in 3GPP specifications should be updated accordingly.

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

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## 5 IPR disclosures

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

The delegates were invited:

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

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## 6 Items for immediate consideration

No Input to this agenda item.

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## 7 Received Liaison Statements

**N3-020194**    **LSs on "Prefix allocation for IPv6 stateless address autoconfiguration":(NP-020014 - S2-020910), source SA2.** Presented by Hans Ronneke of Ericsson.

**CONTENT:**    SA2 approved a CR to 23.060 modifying the IPv6 stateless address autoconfiguration procedure. The change makes every PDP context activated according to the stateless address autoconfiguration procedure is allocated a unique prefix.

SA2 asks the mentioned groups to consider these changes in their work and investigate possible impacts on their respective specifications.

**DISCUSSION:** It was clarified that IPv6 "statefull" address autoconfiguration needs to be considered as well as stateless (for stage 3). The CRs to CN3 specifications are provided by Ericsson to this meeting. SA2 only changed for stateless. Further, SA2 has provided CRs back to R'99 under an IMS Work Item Code that is only applicable from Rel-5 onwards. SA2 is asked for clarification in an LS back (see N3-020361).

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

**N3-020195**    **LS on adapting to IETF improvements contained in "unified draft" (NP-020015 - S2-020914), source SA2.** Presented by Brian Williams of Ericsson.

**CONTENT:**    TSG SA WG2 has discussed the recent improvements in SIP in unifying the early media, manyfolks and HEFRP which has been captured in the IETF draft "draft-rosenberg-sip-unify-00.txt". It is expected that these changes shall be included in the next update of SIPbis (and before the IETF last call process). In addition, the manyfolks draft as well as a new draft (draft-ietf-sip-update-00.txt ) which addresses update of session related parameters without impacting session dialogs, will address the requirements identified in the unify draft. SA2 has agreed that 3GPP architecture shall adapt to these changes. SA2 will update TS 23.228 accordingly.

TSG SA2 asks TSG CN1, TSG CN3, TSG CN4 to examine and identify impacts of their specifications based on the changes proposed in the appropriate impacted existing drafts and possible new drafts according to the relevant issues for 3GPP as identified in the unify draft.

**DISCUSSION:** CN3 will reference the latest version of the SIP bis, and we will need to consider these extensions when we consider the GO interface.

Changes are also expected within CN1 to 24.228 and 24.229. Daisuke Yokota [Lucent] did not think this would have much impact on CN3 specifications but we will need to look at the changes made in CN1 on this subject.

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

**N3-020199**    **Re. to LS on "Procedure for specifying UMTS QoS Parameters per Application" [S4-020198], source SA4.** Presented by Reidar Ericsson of Ericsson.

**CONTENT:**    SA4 inform CN3 that recommendation for the mapping of SDP parameters to UMTS bearer QoS for applications using codecs are being specified.

The LS contains the current status of mapping rules for streaming and conversational applications.

**DISCUSSION:** Note: it is NOT a requirement to define the delivery order. It was mentioned that work is ongoing in SA4 and changes / clarifications are still expected.

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



- N3-020203**     **Response LS on “Procedure for specifying UMTS QoS Parameters per Application” [R1-020423], source RAN1.** Presented by Reidar Ericsson of Ericsson
- CONTENT:**     RAN 1 acknowledges the procedure outlined in the LS from CN3. RAN 1 will define L1 parameters for new RABs based on input from SA1 or SA4, as the expertise on those parameters lies within RAN 1.
- RESULT:**     The document was **NOTED**.
- 
- N3-020200**     **Reply to the Liaison Statement on Clarifications regarding GERAN Iu mode [GP-020496], source GERAN.** Presented by CN3 chair.
- CONTENT:**     Contains the responses from TSG GERAN to the questions raised by CN3 [N3-010616 / GP-020010] on clarifications regarding GERAN Iu mode.
- DISCUSSION:** CN3 to wait for GERAN's final output regarding CS data services for GERAN Iu mode. No response necessary.
- RESULT:**     The document was **NOTED**.
- 
- N3-020201**     **Bandwidth parameter in SDP payload on session level [N1-020426],CN1.** Presented by CN3 chair.
- CONTENT:**     In TS 26.xyz version 1.0.0 owned by WG SA#4, section 7.1 states: "The bandwidth information of each media type shall be carried in SDP messages in both session and media type level during codec negotiation, session establishment and resource reallocation."  
CN1 would like to understand the motivation and need for having the bandwidth parameter in both media and session level, as those contain redundant information.
- DISCUSSION:** Relates to QoS mapping, but does not have impacts on our work.
- RESULT:**     The document was **NOTED**.
- 
- N3-020202**     **Liaison statement on the transparent transfer via SGSN of application level information between UE and GGSN [N1-020431],CN1.** Presented by CN3 chair.
- DISCUSSION:** Relates to QoS mapping, but does not have impacts on our work.
- RESULT:**     The document was **NOTED**.
- 
- N3-020205**     **Response to the LS “requesting that the IMS Charging ID (ICID) is provided to access network” [S2-020876],SA2.** Presented by CN3 chair.
- CONTENT:**     SA2 agreed on the principle of providing the ICID to the GPRS access network. The ICID would need to be passed from the P-CSCF to the GGSN via the "Go" interface. Section 5.3.2 of 23.815 has been updated to reflect this decision.  
A solution for correlating between the IMS and GPRS has already been adopted in SA2 and consists of conveying the GPRS Charging ID and GGSN Address to the IMS. Passing the ICID to the GPRS network shall not provide an alternative correlation solution to the already agreed one.  
The ICID is not transferred from the GGSN to the SGSN.  
SA2 asks SA5 and CN3 to take into account the above points when working on correlation between the IMS and GPRS.
- DISCUSSION:** To be taken in to account when defining the messages for Go interface
- RESULT:**     The document was **NOTED**.

- N3-020208**     **Liaison Statement on DTMF [N1-020666],CN1.** Presented by CN3 chair.
- CONTENT:**     CN1 has been studying solutions for the transfer of DTMF digits from an IMS terminal. There are no requirements to transfer DTMF digits to an IMS terminal.
- CN1 has chosen the RTP payload method (RFC 2833), which requires a 4 byte payload for encoding a DTMF digit, as the working assumption for transferring DTMF digits.
- CN1 requests assessment of the questions for future compatibility of the radio access network with the working assumption to use RTP payload method from RFC 2833 to transfer DTMF digits from an IMS terminal.
- DISCUSSION:** Relates to Media part signalling. No questions relating to CN3.
- RESULT:**        The document was **NOTED**.
- 
- N3-020207**     **LS on Support of Legacy GSM Transceivers (voice and data) [GP-020503],source GERAN.** Presented by CN3 Chair.
- DISCUSSION:** The response from SA1 [N3-020204] relates to this.
- RESULT:**        The document was **NOTED**.
- 
- N3-020204**     **Liaison Statement on the support of legacy transceivers (voice and data) [S1-020656],SA1.** Presented by CN3 Chair.
- DISCUSSION:** Does not provide a response to the question from GERAN [N3-020207] regarding CS data. Decision on data services was postponed by SA1.
- RESULT:**        The document was **NOTED**.
- 
- N3-020209**     **LS on Access dependent services and features for GERAN lu mode [S1-020472], source SA1.** Presented by CN3 Chair.
- CONTENT:**     SA1 understands that GERAN lu-mode of operation has impact to some Stage 1 specifications. At release 5, SA1 has separated some requirements between UTRAN and GERAN but that is not sufficient due to inclusion of lu mode of operation.
- SA1 believes that introduction of GERAN lu Mode has impact to some access dependent services, i.e. some more services could be offered via GERAN lu mode or some new limitations may be introduced.
- In this LS SA1ask for guidance from other WGs on this issue.
- DISCUSSION:** CN3 agrees with the statement on facsimile. "*Transparent (T) mode of facsimile, as specified in TS 22.003, is only supported by GERAN and, Non-transparent (NT) mode of facsimile, is only supported by UTRAN in release 4.Facsimile, as specified in TS 22.003, will not be supported over GERAN lu mode. The preferred solution is the store-and-forward model.*"
- CN3 found the following issues with the CR.
- ~~///~~ Tables do not have the same layout (makes understanding difficult).
  - ~~///~~ CN3 believe that PIAFS is only applicable to the UTRAN, however the CR shows PIAFS as available in all three modes. Daisuke checked this with his SA1 delegate and understands that in SA1 the understanding is that PIAFS is also available in GERAN mode.
  - ~~///~~ Daisuke will draft a response LS to SA1 [N3-020327].
- RESULT:**        The document was **NOTED**.

**N3-020327 RE. LS (to S1-020656) Response LS on Access dependent services and features for GERAN Iu mode.** Daisuke Yokota of Lucent.

**DISCUSSION:** Modification to the wording to have a more generic request regarding the alignment of the tables.

**RESULT:** The document was **REVISED to 0355.**

? **REVISED?**

**N3-020355 RE. LS (to S1-020656) Response LS on Access dependent services and features for GERAN Iu mode.** Daisuke Yokota of Lucent.

**DISCUSSION:** Some changes were made to the wording and rev. marks were removed.

**RESULT:** The document was **REVISED to 0360.**

? **REVISED?**

**N3-020360 RE. LS (to S1-020656) Response LS on Access dependent services and features for GERAN Iu mode.** Daisuke Yokota of Lucent.

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

**N3-020221 Response to the LS "Access dependent services and features for GERAN Iu mode" [G2-020400], source GERAN2.** Presented by CN3 chair.

**CONTENT:** In this LS GERAN acknowledges the decisions taken by SA1 (see LS N3-020209). In addition GERAN WG2 mentions that there are ongoing discussions concerning CS data services, especially for the support of HSCSD for GERAN Iu-mode.

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

**N3-020212: Re. to "LS on the addition of the H.324 M codec to TS 26.103" [S4-020194], source SA4.** Presented by Patrice Hédé.

**CONTENT:** SA4 has approved a CR to include the 3G-324.M codec in TS 26.103 Rel-5.

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

**N3-020331 "Reply LS (to N3-020187) on ""Generation of GPRS Charging ID"" from CN3 [S5-024023]", source SA5.**

**CONTENT:** In this LS SA5 informs CN3 that there are no requirements regarding when the GPRS-CID is generated within the PDP context authorisation procedure in the GGSN.

Regarding the single stage mechanism described, SA5 currently foresees no issues that would arise with the CN3 proposal.

If the GPRS-CID is available in the PCF before the PDP context has been authorised and subsequently the PDP context is not authorised then it is the responsibility of the PCF to cease using that GPRS-CID.

**DISCUSSION:** This confirms the CN3 approach. No additional impact on the CN3 specifications arise from this LS.

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

**N3-020332 Re. to LS (N3-020119) on Procedure for specifying UMTS QoS Parameters per Application [R2-020793], source R2**

**CONTENT:** RAN2 understands that the provided QoS attributes will be used to define RAB and RB parameters to be included in 34.108 for testing purposes.

RAN2 has considered the mapping table provided by SA4 for applications using codecs and has several questions. RAN2 intends to start this activity on the definition of the RB parameters for these applications and for IMS in June 02.

**DISCUSSION:** This confirms CN3s understanding. CN3 will allow SA4 to respond to the questions (as they are the experts in this field).

The service type information may be a good starting point for CN3s work on QoS mapping. This needs to be examined further.

**RESULT:** The document was **POSTPONED to CN3#23**.

### **N3-020333 Response to LS (N1-020666) on DTMF [R2-020795], source R2**

**CONTENT:** RAN2 understanding of the DTMF mechanism is that encoded DTMF tone would replace the speech information in the RTP payload for one or more speech frames. The RNC would not differentiate between an RTP payload containing a DTMF tone and an RTP payload containing speech information. Therefore the DTMF tone and the speech information would experience the same QoS, meaning that transfer of the DTMF tone could not be guaranteed. RAN2 does not foresee any problems with this for release 5.

RAN2 has not yet started discussion of the release 6 features of unequal error protection and header stripping. At this stage it is difficult for RAN2 to judge the impact of these features on DTMF.

**DISCUSSION:** Does not impact CN3s work.

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

#### **NOTE: LSs moved to other Agenda Items**

**N3-020188 and 0189 moved to agenda item 9.3 (e2e QoS).**

**N3-020210 moved to agenda item 9.4 (SCUDIF).**

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## **8 Release 4 and earlier**

**NOTE: Release 4 and earlier have been Functionally Frozen.**

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

### **8.1 GPRS**

#### **8.1.1 IPv6 issues**

**N3-020197 CR 27.060 Rel-5: Allocation of unique prefixes to IPv6 terminals, source Motorola.**

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

**N3-020198 CR 29.061 Rel-5: IPv6 stateless address autoconfiguration, source Motorola.**  
Presented by Johanna Wild of Motorola.

**CONTENT:** This CR aligns with the SA2 changes to TS 23.060 (as described in the LS from SA2). The IPv6 stateless address autoconfiguration procedure is modified to support allocation of a distinct prefix for each PDP context

**DISCUSSION:** Ericsson had several issues with the CR relating to the functions of the GGSN. The GGSN should act as the host. This CR proposes that the GGSN takes tasks from the UE to keep the UE as simple as possible.

It was agreed that the PDP (section 12) does not need to be changes for IPv6 as it is transparent transport.

Also there is a requirement from SA2 that we need statefull as well as stateless autoconfiguration.

PROPOSED MERGING of the ERICSSON / MOTOROLA CONTRIBUTIONS.

**RESULT:** The document was **MERGED WITH 0218 INTO 0286**.

**N3-020218** **CR 29.061 Rel-5: Address autoconfiguration of IPv6 terminals, source Ericsson.**  
Presented by Hans Ronneke of Ericsson.

**CONTENT:** This contribution proposes to introduce the description of the access to an IPv6 PDN, in particular the address allocation details, in 29.061. The procedures introduced by this CR are in line with the latest updates to the Dynamic IPv6 Address Allocation described in 23.060.

**DISCUSSION:** PROPOSED MERGING of the ERICSSON / MOTOROLA CONTRIBUTIONS.

**RESULT:** The document was **REVISED to 0286.**

? **REVISED?**

**N3-020286** **Rev. CR 29.061 Rel-5: Stateless Address autoconfiguration of IPv6 terminals, source Ericsson / CISCO / Motorola.** Presented by Hans Ronneke of Ericsson.

**CONTENT:** This CR aligns with approved SA2 changes to TS 23.060. [See LS S2-020764]. The procedures introduced by this CR are in line with the latest updates to the Dynamic IPv6 Stateless Address Allocation.

**DISCUSSION:** Problems with numbering of figures and re-numbering of an existing clause.

There were some concerns with referencing IETF drafts (DHCP version 6). For the moment no RFC number is available. It was finally agreed to leave the reference in the document.

The RADIUS attributes are required to make the stateless complete

We do not need to limit to 64 bit in the IPv6 prefix.

SA1 have introduced this change all the way back to R99 (with the code IMS-CCR). However IMS exists only in Rel-5.

CN3 agreed only to produce a Rel-5 CR and liase [N3-020329] this CR back to SA2 asking why they have made similar changes all the way back to R99. If SA2 indicate that we also need to align this change back to R99 we can do so in CN3#23.

**RESULT:** The document was **REVISED to 0328.**

? **REVISED?**

**N3-020328** **Rev. CR 29.061 Rel-5: Stateless Address autoconfiguration of IPv6 terminals, source Ericsson / CISCO / Motorola.** Presented by Hans Ronneke of Ericsson.

**DISCUSSION:** Other Comments section not required and will be removed (by MCC).

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

[Following some discussion in CN3#23 this CR was revised to 0427.](#)

**N3-020329** **LS OUT on Stateless Address autoconfiguration of IPv6 terminals, source Ericsson / Motorola .** Presented by Hans Ronneke of Ericsson.

**DISCUSSION:** Some editorial changes were required. Also addition of a question to SA2 asking why they used the WI IMS-CCR. No need to copy to CN.

Add the number of the SA2 to which we reply.

The attached CR includes both stateless and statefull. We need to ask if SA2 wish us to include stateless also (as this was not mentioned in their initial LS). Statefull has no impact on SA2s specifications.

**RESULT:** The document was **REVISED to 348.**

? **REVISED?**

**N3-020348** **LS OUT on Stateless Address autoconfiguration of IPv6 terminals, source Ericsson / Motorola .** Presented by Hans Ronneke of Ericsson.

**DISCUSSION:** Some editorial comments were made and the rev. marks removed.

**RESULT:** The document was **REVISED to 00361**.

? **REVISED?**

**N3-020361** **LS OUT on Stateless Address autoconfiguration of IPv6 terminals, source Ericsson / Motorola.**

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

**N3-020287** **CR 29.061 Rel-5: Stateful Address autoconfiguration of IPv6 terminals, source Ericsson / CISCO / Motorola.** Presented by Hans Ronneke of Ericsson.

**DISCUSSION:** It is not certain if this is also required for R99 and Rel-4. This needs to be clarified by SA2.

Use of IPv6 prefix should be consistent throughout the document.

Also the attribute 26/311 is a Microsoft range allocated for external use. We need to distinguish between new and old attribute names (perhaps by using IPv6 DHCP server).

Needs to be a CAT C (not F). Also duplicated references are introduced in this CR and the stateless CR.

Also attribute number 26/?? needs to have a correct number.

**RESULT:** The document was **REVISED to 0330**.

? **REVISED?**

**N3-020330** **Rev. CR 29.061 Rel-5: Stateful Address autoconfiguration of IPv6 terminals, source Ericsson / CISCO / Motorola.** Presented by Hans Ronneke of Ericsson.

**RESULT:** The document was **MERGED INTO 0328 - (0330 WITHDRAWN)**.

**N3-020219** **CR 29.061 Rel-5: Usage of Radius with IPv6 on Gi interface source Ericsson.** Presented by Hans Ronneke of Ericsson.

**CONTENT:** This CR adds IPv6 support to Radius on Gi.

**DISCUSSION:** Some changes are not visible. The type and length values have not been changed as required (for IPv6). Also the NOTES to all tables in 29.061 do not start at 1 as required in drafting rules. This CR does not align with that exception to the drafting rules.

Should be made to v5.1.0 -

Also this CR does not impact MS/UE

Work Item code IMS-CCR was used to align with the changes in SA2.

Hatef Yamini [H3G] did not believe that all of the RADIUS changes are required to align with the SA2 LS and did not support making CRs to earlier releases than Rel-5.

**RESULT:** The document was **REVISED to 0288**

? **REVISED?**

**N3-020288** **Rev. CR 29.061 Rel-5: Usage of Radius with IPv6 on Gi interface source Ericsson.** Presented by Hans Ronneke of Ericsson.

**RESULT:** The document was **MERGED INTO 0328 - (0288 WITHDRAWN)**.

**N3-020220** **CR 29.061 Rel-5: General IPv6 changes to 29.061, source Ericsson.** Presented by Hans Ronneke of Ericsson.

**CONTENT:** The CR provides general changes to the specification to support IPv6.

**DISCUSSION:** Should be made to v5.1.0.

Change to the text starting "The PLMN operator allocates the IP addresses..." to reflect the new (3<sup>rd</sup> case).

**RESULT:** The document was **REVISED to 0289**.

? **REVISED?**

**N3-020289** **Rev. CR 29.061 Rel-5: General IPv6 changes to 29.061, source Ericsson.** Presented by Hans Ronneke of Ericsson.

**RESULT:** The document was **MERGED into 0328**.

**N3-020274** **IPv6 update of earlier releases of 29.061, source Ericsson.** Presented by Hans Ronneke of Ericsson.

**CONTENT:** This contribution proposes that provided the CRs for R5 of 29.061 in N3-20218, N3-020219 and N3-020220 (or revisions thereof) are approved, similar CRs for R99 and R4 shall also be approved.

**DISCUSSION:** SA2 have requested that the stage 3 allows for Stateless autoconfiguration back until R99. We should only make changes to earlier releases for 'stateless autoconfiguration'.  
Note there is a LS to SA2 (N3-020329) asking why the stateless CRs went back to R99.

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

### 8.1.2 RADIUS issues

**N3-020213** **CR 09.61 R97: Optional dropping of user data by the GGSN before the Accounting Response (START) is received, source Siemens.** Presented by Norbert Klehn of Siemens.

**DISCUSSION:** Agreed but will merged with the CISCO contribution that does a similar function.

**RESULT:** The document was **MERGED with 0296**.

**N3-020214** **CR 09.61 R98: Optional dropping of user data by the GGSN before the Accounting Response (START) is received, source Siemens.** Presented by Norbert Klehn of Siemens.

**DISCUSSION:** Agreed but will merged with the CISCO contribution that does a similar function.

**RESULT:** The document was **MERGED with 0297**.

**N3-020215** **CR 29.061 R99: Optional dropping of user data by the GGSN before the Accounting Response (START) is received, source Siemens.** Presented by Norbert Klehn of Siemens.

**DISCUSSION:** Agreed but will merged with the CISCO contribution that does a similar function.

**RESULT:** The document was **MERGED with 0298**.

**N3-020216** **CR 29.061 Rel-4: Optional dropping of user data by the GGSN before the Accounting Response (START) is received, source Siemens.** Presented by Norbert Klehn of Siemens.

**DISCUSSION:** Agreed but will merged with the CISCO contribution that does a similar function.

**RESULT:** The document was **MERGED with 0299**.

**N3-020217** **CR 29.061 Rel-5: Optional dropping of user data by the GGSN before the Accounting Response (START) is received, source Siemens.** Presented by Norbert Klehn of Siemens.

**DISCUSSION:** Agreed but will merged with the CISCO contribution that does a similar function.

**RESULT:** The document was **MERGED with 0230**.

**N3-020229** **CR 29.061 Rel-4: Clarifications on the RADIUS flows, source Cisco.** Presented by Jay Iyer of CISCO.

**CONTENT:** This CR proposes to correct the RADIUS flows to allow the GGSN to wait for the Accounting message before sending CreatePDPContextResponse.

**DISCUSSION:** Change to '**Reject**' the PDP context if the Accounting Response (START) is not received.

Same changed are also required for PDP type PPP.

Changes need to go all the way back to Rel-97 (-> Rel-5) [see N3-020296 - 0300].

**RESULT:** The document was **REVISED to 0299.**

? **REVISED?**

**N3-020299** **Rev. CR 29.061 Rel-4: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

**DISCUSSION:** Notes to figures 024 and 025 need to be included within the figure.

Change to text "may be optional" --> "are optional and may be ..."

The term "may not" --> "need not"

**RESULT:** The document was **REVISED to 0334.**

? **REVISED?**

**N3-020334** **Rev. CR 29.061 Rel-4: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

**DISCUSSION:** Error in table notes.

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

? **REVISED?**

**N3-020353** **Rev. CR 29.061 Rel-4: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

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

**N3-020296** **CR 09.61 R97: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

**DISCUSSION:** Error in table notes.

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

? **REVISED?**

**N3-020350** **Re. CR 09.61 R97: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

**DISCUSSION:** .

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

**N3-020297** **CR 09.61 R98: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

**DISCUSSION:** Error in table notes.

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

? **REVISED?**

**N3-020351** **Rev. CR 09.61 R98: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.



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

**N3-020298** **CR 29.061 R99: Clarifications on the RADIUS flows, source Cisco and Siemens.**  
Presented by Jay Iyer of CISCO.

**DISCUSSION:** Error in table notes.

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

? **REVISED?**

**N3-020352** **Rev. CR 29.061 R99: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

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

**N3-020300** **CR 29.061 Rel-5: Clarifications on the RADIUS flows, source Cisco and Siemens.**  
Presented by Jay Iyer of CISCO.

**DISCUSSION:** Error in table notes.

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

? **REVISED?**

**N3-020354** **Rev. CR 29.061 Rel-5: Clarifications on the RADIUS flows, source Cisco and Siemens.** Presented by Jay Iyer of CISCO.

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

**N3-020230** **CR 29.061 Rel-4: Corrections to the 3GPP RADIUS attributes, source Cisco.**  
Presented by Jay Iyer of CISCO.

**CONTENT:** The CR proposes a solution for the QoS profile encoding.

**DISCUSSION:** Contradicts the change proposed by NORTEL in N3-020255.

The meeting agreed that we need the negotiated value did not agree on the need to send the requested QoS in the message.

Need to check the mapping IPv4 and IPv6 PDP type - is this a correction or a modification?.

RADIUS Changes need to go all the way back to Rel-97 (-> Rel-5) [see N3-020291 - 295].

The IPv6 changes will be incorporated into the Ericsson / Motorola / CISCO CR for 'all IPv6 changes'.

**RESULT:** The document was **REVISED to 0294**.

? **REVISED?**

**N3-020294** **Rev. CR 29.061 Rel-4: Corrections to the 3GPP RADIUS attributes, source Cisco.**  
Presented by Jay Iyer of CISCO.

**DISCUSSION:** The intention is to carry this CR back to R97.

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

**N3-020291** **CR 09.61 R97: Corrections to the 3GPP RADIUS attributes, source Cisco.**  
Presented by Jay Iyer of CISCO.

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

**N3-020292** **CR 09.61 R98: Corrections to the 3GPP RADIUS attributes, source Cisco.**  
Presented by Jay Iyer of CISCO.

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

**N3-020293** **CR 29.061 R99: Corrections to the 3GPP RADIUS attributes, source Cisco.**  
Presented by Jay Iyer of CISCO.

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

**N3-020295** **CR 29.061 Rel-5: Corrections to the 3GPP RADIUS attributes, source Cisco.**  
Presented by Jay Iyer of CISCO.

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

## 8.2 Circuit switched Bearer Services

No input to this agenda item.

## 8.3 Bearer Independent Circuit switched Core network

No input to this agenda item.

## 8.4 Technical Enhancements & Improvements (TEI)

**N3-020239** **Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

**CONTENT:** This document proposes for FTM calls to specify the coding of the LLC additionally to the coding of the BC.

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

**N3-020240** **CR 29.007 R99: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

**CONTENT:** This CR allows the LLC to be used to signal FTM.

**DISCUSSION:** Siemens requested to clarify the note 23 of table 7B regarding the setting of the connection element.

**RESULT:** The document was **REVISED to 0301**.

? **REVISED?**

**N3-020301** **Rev. CR 29.007 R99: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

**DISCUSSION:** add text in note 23 "...LLC does not indicate FTM".

**RESULT:** The document was **REVISED to 0312**.

? **REVISED?**

**N3-020312** **Rev. CR 29.007 R99: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

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

**N3-020302** **CR 29.007 Rel-4: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

**DISCUSSION:** add text in note 23 "... LLC does not indicate FTM".

**RESULT:** The document was **REVISED to 0313**.

? REVISED?

**N3-020313**     **Rev. CR 29.007 Rel-4: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

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

**N3-020303**     **CR 29.007 Rel-5: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

**DISCUSSION:** add text in note 23 "...LLC does not indicate FTM".

**RESULT:**        The document was **REVISED to 0314**.

? REVISED?

**N3-020314**     **Rev. CR 29.007 Rel-5: Signalling of FTM calls, source Ericsson.** Presented by Jörg Schrader of Ericsson.

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

**N3-020258**     **CR 27.001 Rel-5: Multislot clarification, source Nortel Networks.** Presented by Celine Bonnel of NORTEL.

**DISCUSSION:** CR number format incorrect - WI code should be TEI.

**RESULT:**        The document was **REVISED to 0304**.

? REVISED?

**N3-020304**     **Rev CR 27.001 Rel-5: Multislot clarification, source Nortel Networks.** Presented by Celine Bonnel of NORTEL.

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

**N3-020281**     **CR 29.007 Rel-5: Clarification to VMSC/HLR logic for modem/facsimile calls, source Vodafone.** Presented by David Sanders of Vodafone.

**CONTENT:**       This CR clarifies the VMSC/HLR logic for modem/facsimile calls, which are signalled as speech.

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

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## 9 Release 5

### 9.1 Interworking between IM subsystem and IP

~~ⓧ~~ [This Work Item has been moved to Rel-6.](#)

**N3-020192**     **WID for Interworking between IM CN subsystem and IP networks (NP-020091), source CN.** Presented by Nigel Holland of mm02.

**CONTENT:**     Contains the WID that was presented / updated and approved at CN#15.

**DISCUSSION:** Generally CN3 are awaiting for CN1 to progress with their work. CN3 are working on the TR ab.cde.

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

### 9.2 Interworking between IM Subsystem with CS

**N3-020191**     **WID - Interworking between IM CN subsystem and CS networks (NP-020090), source CN.** Presented by David Sanders of Vodafone.

**CONTENT:**     Contains the WID that was presented / updated and approved at CN#15.

**DISCUSSION:** Proposal (from Siemens) for a new H.248 package to deal with AMR WB codec. A WID is expected to be presented to CN4 at the next meeting. CN3's task is to specify what parts of this work can be split into Rel-5 and Rel-6.

***REL-5 - Architecture plus CODEC interworking***

***REL-6 - Mapping to ITU-T specifications***

TS 29.163 is almost complete - only section 9 needs to be completed.

Outstanding work on this WID is

?? Replace IETF drafts with the correct RFC numbers in TS 29.163.

?? Complete section 9 in TS 29.163

?? the ITU-T mapping specifications

?? definition of the new H.248 package

?? framing work

There was some resistance to splitting the work as the Rel-5 part would not include the most important part (the mapping functions to be specified by ITU-T).

However mm02 and Lucent supported splitting the work to provide the architecture and basic work in Rel-5, and possible allow companies the opportunity to develop proprietary solutions until the ITU-T specifications are complete.

**After some off-line discussions CN3 agreed that the work cannot be practically split into two parts.**

The plan is to present TS 29.163 to CN#16 for approval and then await the ITU-T parts to be include when available. It will decided if this specification is to be for Rel-5 or Rel-6 at the next CN3 meeting.

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

## 9.3 e2e QoS for IM Subsystem

### 9.3.1 General

**N3-020187**      **LS to SA5 on Generation of GPRS Charging ID, source CN3.**

**CONTENT:**      Already been approved (by email) and sent.

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

**N3-020193**      **WID for End-to-end QoS Stage 3 (NP-020092), source CN.** Presented by Daisuke Yokota of Lucent.

**CONTENT:**      Contains the WID that was presented - updated and approved at CN#15.

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

**N3-020188**      **Proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol development based on IP transfer capabilities and IP QoS classes [NP-020098] source ITU-T SG13.**

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

**N3-020189**      **Re. to LS on Generic QoS Service Requirements (NP-020122),ITU-T SG13.**

**DISCUSSION:**    The LSs discuss e2e QoS in a BICC environment. Daisuke Yokota [Lucent] does not see any direct impact on the CN3 work.

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

### 9.3.2 29.207

**N3-020326**      **Discussion result from CN3 Go drafting session.** Presented by Daisuke Yokota of Lucent.

**CONTENT:**      A Go drafting session was held by interested companies on April 11 evening to discuss following topics;

1. Session modification (Combination of N3-020228, N3-020265, and N3-020273 into N3-020317)

2. Handling of error cases in Go interface (Revision of N3-020272 to N3-020325)

3. Way of assigning COPS Handle

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

#### 9.3.2.1 Go i/f functionality

**N3-020225**      **Go Interface functionality, source H3G.**

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

**N3-020241** [CR to 29.207] Definitions, source Siemens. Presented by Mirko Schramm of Siemens.

**CONTENT:** This contribution proposes some additions to the Definitions clause of TS 29.207. Definitions for flow identifier and media component are added, because both terms are used within TS 29.207. Furthermore, the definition of the Go Interface was changed because it is defined between the GGSN and the PCF.

**DISCUSSION:** Need to add some text to the Media component part to reflect the possibility for multiple IP flows.  
Also must --> shall.

**RESULT:** The document was **REVISED to 0305.**

? **REVISED?**

**N3-020305** Rev. [CR to 29.207] Definitions, source Siemens. Presented by Mirko Schramm of Siemens.

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

**N3-020349** **LS out on " Liaison Statement on "Mapping rules for authorisation "**. Presented by Brian Williams of Ericsson.

**DISCUSSION:** Comments were made and it was suggested to add other groups to the cc list.

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

? **REVISED?**

**N3-020362** **Rev. LS out on " Liaison Statement on "Mapping rules for authorisation "**. Presented by Brian Williams of Ericsson.

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

### 9.3.2.2 Combination of IP flows

**N3-020222** [CR to 29.207] Multiplexing different Media Components within single PDP, source H3G. Presented by Hatef Yamini of H3G.

**CONTENT:** This change to 29.207 proposes text that mandates that only media components of an equivalent QoS class may be multiplexed onto a single PDP context

**DISCUSSION:** A contribution from Nokia [N3-020268] addresses the same issue. Elements of this change will be included in N3-020268.

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

**N3-020223** **Discussion document on QoS information fields, source H3G.** Presented by Hatef Yamini of H3G.

**CONTENT:** This contribution proposes that both a combined Authorised QoS information and a per flow Authorised QoS information be sent down to the GGSN.

**DISCUSSION:** Ericsson contribution [N3-020264] provides a different proposal to the same problem.

Hatef had reservations about pursuing the Ericsson solution as it does not include per media flow QoS information. H3G prefers a solution that is more 'future proof'. However Ericsson explained that the COPS protocol has a method to add further information into the PIB without major impact.

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

**N3-020264** [CR to 29.207] Combining QoS for multiple media components, source Ericsson. Presented by Brian Williams of Ericsson.

**CONTENT:** This contribution proposes what information is required when multiple media component are authorised for the PDP context.

**DISCUSSION:** Celine Bonnel [Nortel] stated that the Stage 2 [23.207] states that translation mapping should take place in the GGSN. Brian Williams did not believe that this is the stage 2 refers to the same mapping as this contribution.

After much discussion and some comments to the text, the proposal was accepted.

Ralitsa Gateva [Nokia] proposed that although there are several outstanding issues within SA2 on QoS issues, CN3 should go forward with the work and then liase our progress and working assumptions to SA2.

Brian Williams offered to note all issues and generate the LS to SA2 [N3-020307]

**RESULT:** The document was **REVISED to 0306.**

? **REVISED?**

**N3-020306** Rev. [CR to 29.207] Combining QoS for multiple media components, source Ericsson. Presented by Brian Williams of Ericsson.

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

**N3-020307** LS out to SA2 on " Working assumptions in CN3". Presented by Brian Williams of Ericsson.

**CONTENT:** CN3 is adopting a number of working assumptions on aspects where CN3 has not received any specific direction. and asks SA2 respond any of these working assumptions are unsatisfactory:

**DISCUSSION:** It was decided to reformulate the working assumption on PDP context modifications. - This was examined in an offline discussion.

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

? **REVISED?**

**N3-020357** LS out on " Working assumptions in CN3". Presented by Brian Williams of Ericsson.

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

**N3-020224** Authorisation of multiple PDP contexts , source H3G.

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

### 9.3.2.3 SBLP

**N3-020265** [CR to 29.207] Session Modification, source Ericsson. Presented by Brian Williams of Ericsson.

**CONTENT:** TS 29.207 covers the aspects of session modification handling of the Go interface. This contribution looks further at the actions necessary when a session modification occurs.

**DISCUSSION:** Discussed in an offline drafting session (along with N3-020273 and 0228).

**RESULT:** The document was **MERGED into 0317.**

? **MERGED?**

**N3-020273** [CR to 29.207] PDP context modification, source Nokia. Presented by Ralitsa Gateva of Nokia.

**CONTENT:** This contribution proposes changes for PDP context modification.

**RESULT:** The document was **MERGED into 0317.**

? **MERGED?**

**N3-020228** [CR to 29.207] **SBLP Policy Modifications procedures, source AWS.** Presented by Hugh Shieh of AWS.

**CONTENT:** This contribution proposes the addition of a subsection (5.2.2) and text to the policy control procedures in the PCF to enable IMS level modification authorisation to the session parameters.

**RESULT:** The document was **MERGED into 0317.**

? **MERGED?**

**N3-020317** **MERGE - [CR to 29.207] Session Modification, source Ericsson.** Presented by Brian Williams of Ericsson.

**DISCUSSION:** Page 6, " New binding information "should not be deleted.

Addition of Editors Note: Modification cases is for further study.

Comments to the use for may / shall / need not --> align with drafting rules.

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

? **REVISED?**

**N3-020335** [CR to 29.207] **Session Modification, source Go Drafting Group.** Presented by Daisuke Yokota of Lucent.

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

**N3-020243** [CR to 29.207] **Service-based local policy decision point, source Siemens.** Presented by Mirko Schramm of Siemens.

**CONTENT:** This contribution proposes additions to section 4.3.2.1 Service-based local policy decision point of TS 29.207.

**DISCUSSION:** Mirko sees no need to support more than one CODEC simultaneously. there was some disagreement on this. Decision to send a LS to CN1 [N3-020318] requesting clarification on the use of multiple codecs.

Due to the differences in understanding, the change was not agreed.

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

**N3-020318** **LS to CN1 and SA2 on use of multiple CODECS.** Presented by Mirko Schramm of Siemens.

**CONTENT:** CN3 asks CN1 and SA2 if they see problems with CN3's working assumption of allowing authorisation of multiple codecs based on the bandwidth of the highest bitrate codec.

**DISCUSSION:** Need to refer specifically to 'IMS charging'. Decided to copy SA5 (as they are responsible for charging).

Delete last sentence 3<sup>rd</sup> bullet point.

Delete 4<sup>th</sup> bullet point.

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

? **REVISED?**

**N3-020356** **LS to CN1, SA2 and SA5 on use of multiple CODECS.** Presented by Mirko Schramm of Siemens.

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



**N3-020269** [CR to 29.207] SBLP decision point, source Nokia. Presented by Ralitsa Gateva of Nokia.

**CONTENT:** This contribution aims to present more detail information regarding the PCF functionalities and decisions, which need to be covered in the Go stage 3 specification.

**DISCUSSION:** It is possible that this change was not made on the latest version of the draft specification.

Request to use the same terms throughout the document.

Need to separate functions that are done in the PCF and P-CSCF.

CN1 is responsible for the work on P-CSCF in 24.229. CN3 is responsible for work on the PCF.

**RESULT:** The document was **REVISED to 0319**

? **REVISED?**

**N3-020319** Rev. [CR to 29.207] SBLP decision point, source Nokia. Presented by Ralitsa Gateva of Nokia.

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

**N3-020280** [CR to 29.207] Binding Mechanism, source AWS. Presented by Hugh Shieh of AWS.

**CONTENT:** This contribution proposes some text on binding information handling in UE and PCF.

**DISCUSSION:** Lucent has a contribution to the same section [N3-020234]. However Lucent agree with the AWS content of the contribution.

The added text will be moved section 5.2.1.

**RESULT:** The document was **REVISED to 0320**

? **REVISED?**

**N3-020320** [CR to 29.207] Binding Mechanism, source AWS. Presented by Gary Schlanger of AWS.

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

#### 9.3.2.4 Binding

**N3-020234** [CR to 29.207] Proposed descriptions of binding mechanism of UE in TS 29.207, source Lucent Technologies. Presented by Daisuke Yokota of Lucent.

**CONTENT:** Provides updates to TS 29.207 to align with the CN1 decision to use Traffic Flow Template (TFT) to convey the binding information from UE to the GGSN.

**DISCUSSION:** Agreed to add the Editors note in A.1.1 to the AWS contribution [N3-020280].

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

**N3-020242** [CR to 29.207] Binding mechanism handling in the GGSN, source Siemens. Presented by Mirko Schramm of Siemens.

**DISCUSSION:** There were some offline discussion on this topic that resulted in the document being revised.

**RESULT:** The document was **REVISED to 0321**.

? **REVISED?**

**N3-020321** Rev. [CR to 29.207] Binding mechanism handling in the GGSN, source Siemens. Presented by Mirko Schramm of Siemens.

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

**N3-020244** [CR to 29.207] **Binding mechanism handling in the PCF, source Siemens.**  
Presented by Mirko Schramm of Siemens.

**CONTENT:** This contribution proposes some modifications for section 4.3.1.5 Binding mechanism handling of TS 29.207.

**DISCUSSION:** Text is only for the case when the UE cannot pass the binding information to the GGSN.

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

**N3-020261** [CR to 29.207] **Validating binding information against the UE, source Ericsson.**  
Presented by Brian Williams of Ericsson.

**CONTENT:** The document proposes sending an IP address and netmask for the UE from the GGSN to the PCF along with the binding information.

**DISCUSSION:** This is an important topic that needs to be examined, but several companies requested more time for checking.

**RESULT:** The document was **POSTPONED to CN3#23**.

### 9.3.2.5 Authorised QoS

**N3-020267** [CR to 29.207] **Authorized QoS, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**DISCUSSION:** Several comments to notes etc. but general feeling was that the content could be accepted (with revisions).

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

? **REVISED?**

**N3-020323** **Rev. [CR to 29.207] Authorized QoS, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**DISCUSSION:** Table in 4.3.1.1.1 should be stated as an example.

**RESULT:** The document was **REVISED to 0343**.

? **REVISED?**

**N3-020343** **Rev. [CR to 29.207] Authorized QoS, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**DISCUSSION:** Change media flow to IP flow (Daiskue will update this in 29.207).

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

**N3-020268** [CR to 29.207] **Media authorization information from SIP session, source Nokia.**  
Presented by Ralitsa Gateva of Nokia.

**CONTENT:** The contribution proposes the listed media component parameters to be included in section 5.2.1 of the TS 29.207

**DISCUSSION:** A contribution from H3G [N3-020222] addresses the same issue.  
Some disagreement on 'wildcarding'. Possibly some clarification required from SA1.

**RESULT:** The document was **REVISED to 0322**.

? **REVISED?**

**N3-020322** **Rev. [CR to 29.207] Media authorization information from SIP session, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**DISCUSSION:** Change to the text relating to port number.  
Agreed to add an editors note relating to wildcarding.

**RESULT:** The document was **REVISED to 0342**.

### ? REVISED?

**N3-020342** **Rev. [CR to 29.207] Media authorization information from SIP session, source Nokia.** Presented by Ralitsa Gateva of Nokia.

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

**N3-020247** **[CR to 29.207] Authorised QoS information passed from the PCF to the GGSN, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

**CONTENT:** This contribution specifies the QoS parameters needed to be passed from the PCF to the GGSN.

**DISCUSSION:** Treats a similar subject to the above Nokia contribution. Will be treated in the offline drafting session. No time to discuss this offline.

**RESULT:** The document was **POSTPONED to email discussion**.

### 9.3.2.6 Error cases,

**N3-020272** **[CR to 29.207] Handling of error cases in Go interface, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**CONTENT:** Contains changes to allow for the Handling of error cases.

**DISCUSSION:** There may be a better solution. This will be examined in the drafting session.

**RESULT:** The document was **REVISED to 0325**.

### ? REVISED?

**N3-020325** **Rev. [CR to 29.207] Handling of error cases in Go interface, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**DISCUSSION:** Need to add PDP context activation / modification request. (will be done through out the TS by the rapporteur).

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

### 9.3.2.7 Packet filters

**N3-020262** **[CR to 29.207] SBLP based filters and TFTs, source Ericsson.**

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

**N3-020263** **[CR to 29.207] Requirements on SBLP Filters, source Ericsson.**

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

**N3-020251** **[CR to 29.207] Packet filters data structure, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

**CONTENT:** Proposes a data structure for the packet classifiers (the source IP address/port and wildcarding) is proposed to be included in TS 29.207.

**DISCUSSION:** Stephen Hayes gave some information on the status on the DIFFSERV and FRAMEWORK PIBs. The content is stable but will not move to RFC status until it is decided if the RFCs will be standards tracked or informational. It is not expected that we can have a RFC number by June 2002 - therefore as we cannot refer to IETF drafts we may have to a) delay the work of b) copy the content into an annex in 29.207.

The suggestion of the meeting was to import only the parts of the IETF draft that relate to the 3GPP application, (as we have done for 29.208).

CN3 decided to copy the relevant parts of the PIBs into their specifications, therefore CN3 do not have any dependencies upon the DIFFSERV and FRAMEWORK PIBs. These IETF drafts are fairly stable and the divergence between the part 3GPP imports and the IETF drafts should be minimal. Divergence may occur due to the fact that the applications in the 3GPP and non 3GPP world will be different.

No dependency on the Go PIB, this will be developed within 3GPP and then sent to IETF for information. 3GPP will request a number from IANA. The number will need to be 'vendor specific' and may become a RFC at a later date.

Go PIB is presently ANNEX B of 29.207. CN3 will use the same syntax / template as IETF for added understanding.

**RESULT:** The document was **REVISED to 0324**.

? **REVISED?**

**N3-020324** **Rev. [CR to 29.207] Packet filters data structure, source Nortel Networks.**

**RESULT:** The document was **POSTPONED TO CN3#23**.

### 9.3.2.8 Message description

**N3-020245** **[CR to 29.207] Type of COPS messages description, source Siemens.** Presented by Mirko Schramm of Siemens.

**DISCUSSION:** Some comments were made to the wording.

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

? **REVISED?**

**N3-020347** **Rev. [CR to 29.207] Type of COPS messages description, source Siemens.**

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

**N3-020248** **[CR to 29.207] M-type / R-type, source Nortel Networks,.** Presented by Celine Bonnel of Nortel.

**CONTENT:** This contribution clarifies the usage of R-Type and M-Type fields of the COPS Context Object.

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

**N3-020271** **[CR to 29.207] Go message description, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**CONTENT:** Makes changes to allow the Go message events to support all the agreed interaction procedures and operations via Go interface.

**DISCUSSION:** Examined in an offline discussion.

**RESULT:** The document was **REVISED to 0337**.

? **REVISED?**

**N3-020337** **Rev. [CR to 29.207] Go message description, source Nokia.**

**DISCUSSION:** There were some concerns with the term 'tear code'. Revised wording was proposed to be used by the rapporteur.

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

**N3-020254** **[CR to 29.207] Usage reporting Feedback, source Nortel Networks.**

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

### 9.3.2.9 Capabilities negotiation

**N3-020249** [CR to 29.207] **Capabilities negotiation at initialisation, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

**CONTENT:** This contribution is aimed to clarify the capabilities negotiation at initialisation.

**DISCUSSION:** text relating to the "the type of bearer signalling" was removed.

**RESULT:** The document was **REVISED to 0338.**

? **REVISED?**

**N3-020338** **Rev. [CR to 29.207] Capabilities negotiation at initialisation, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

**DISCUSSION:** Only section 6.3.1.5 was agreed.

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

**N3-020270** [CR to 29.207] **Device capability and initial Go policy provisioning, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**CONTENT:** The GGSN indicates to PCF some general guidelines about what the GGSN can do related to the Go interface.

**DISCUSSION:** Certain parts will be covered in the editing session.

**RESULT:** The document was **REVISED to 0339.**

? **REVISED?**

**N3-020339** **Rev. [CR to 29.207] Device capability and initial Go policy provisioning, source Nokia.** Presented by Ralitsa Gateva of Nokia.

**DISCUSSION:** There was some disagreement on the use of indication of bearer release - this will be discussed further before the next meeting.

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

### 9.3.2.10 DiffServ

**N3-020232** [CR to 29.207] **Clarifications on Diffserv , source Cisco.** Presented by Jay Iyer of CISCO.

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

**N3-020233** [CR to 29.207] **Proposed amendments to DiffServ edge function, source Lucent Technologies.** Presented by Daisuke Yokota of Lucent.

**CONTENT:** Proposes amendments to DiffServ edge function related sections of TS 29.207.

**DISCUSSION:** Due to the limited time that remains before the end of Rel-5 timeframe, there was support for removing the functionality relating to DSCP. (DIFFSERV) Nokia and Ericsson supported removing it NOW, Nortel wished to have it left in the specification and the work assessed at the next meeting.

However, in order not to delay the Rel-5 work, any work relating to DIFFSERV / DSCP MUST be given lowest priority in CN3 meeting time (CN3#22 and CN3#23).

**RESULT:** The document was **NOT AGREED**

### 9.3.2.11 TCP

**N3-020231** [CR to 29.207] TCP connections on Go, source CISCO. Presented by Jay Iyer of CISCO.

**CONTENT:** The contribution aims to clarify the TCP connection establishment over the Go interface.

**DISCUSSION:** Nortel had some concerns with the content and wording.

**RESULT:** The document was **REVISED to 0341**.

? **REVISED?**

**N3-020341** Rev. [CR to 29.207] TCP connections on Go, source CISCO. Presented by Jay Iyer of CISCO.

**DISCUSSION:** Includes the comments from Nortel.

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

### 9.3.2.12 Multiple PCFs

**N3-020252** [CR to 29.207] Multiple PCFs, source Nortel Networks.

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

### 9.3.2.13 Go PIB

**N3-020250** Go PIB skeleton built upon with explanatory background text, source Nortel Networks.

**DISCUSSION:** The group held an offline PIB drafting session to discuss and advance the work on the PIB. This document was used as a basis for that discussion.

**RESULT:** The document was **REVISED to 0340**.

? **REVISED?**

**N3-020340** Rev. Go PIB skeleton built upon with explanatory background text, source Nortel Networks.

**DISCUSSION:** This contribution captures the result of the drafting session.

this document will be used as the starting point for further email discussion prior to the meeting in CN3#23.

**RESULT:** The document is starting point for **Email discussion**.

**N3-020253** PIB Overview, source Nortel Networks.

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

**N3-020336** PIB Overview, source Nortel Networks. Presented by Kwok Ho Chan of Nortel.

**CONTENT:** Contains an overview of how the PIB works and proposals on how it could be used in 3GPP.

**DISCUSSION:** Some concerns about the delay of getting an IETF standardized PIB (with a number allocated through IANA).

It may be possible to get a pre-assigned number in order to speed the process.

The group held an offline PIB drafting session to discuss and advance the work on the PIB.

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

**N3-020364** Updated version of TS 29.207.  
**CONTENT:** Contains the version of 29.207 that contains all of the changes agreed in CN3#22.  
**RESULT:** The document was **PROVIDED BY EMAIL**.

### 9.3.3 29.208

**N3-020235** [CR to 29.208] Proposed amendments to the scope of TS 29.208, source Lucent Technologies. Presented by Daisuke Yokota of Lucent.  
**CONTENT:** Contains updates to the scope of TS 29.208.  
**RESULT:** The document was **AGREED**.

**N3-020238** [CR to 29.208] Proposed deletion of unnecessary editor's notes in TS 29.208, source Lucent Technologies. Presented by Daisuke Yokota of Lucent.  
**CONTENT:** Proposes deletion of the editor's notes, which are no longer necessary in TS 29.208.  
**RESULT:** The document was **AGREED**.

**N3-020246** [CR to 29.208] QoS authorisation call flow, source Siemens. Presented by Mirko Schramm of Siemens.  
**CONTENT:** This contribution proposes modifications for section 4 QoS Authorization of TS 29.208.  
**DISCUSSION:** Several comments were made that required the document to be revised.  
**RESULT:** The document was **REVISED to 0344**.  
**? REVISED?**

**N3-020344** Rev. [CR to 29.208] QoS authorisation call flow, source Siemens. Presented by Mirko Schramm of Siemens.  
**RESULT:** The document was **AGREED**.

**N3-020236** [CR to 29.208] Proposed amendments to section 5 to cover use of cached policy in Local Decision Point on GGSN, source Lucent Technologies. Presented by Daisuke Yokota of Lucent.  
**CONTENT:** Proposes changes to cover use of cached policy in Local Decision Point on GGSN.  
**DISCUSSION:** Minor changes were required to steps 2, 5 and 12.  
**RESULT:** The document was **REVISED to 0345**.  
**? REVISED?**

**N3-020345** Rev. [CR to 29.208] Proposed amendments to section 5 to cover use of cached policy in Local Decision Point on GGSN, source Lucent Technologies. Presented by Daisuke Yokota of Lucent.  
**RESULT:** The document was **AGREED**.

**N3-020283** QoS Parameter mapping, source Ericsson [Rev. of N3-020266]. Presented by Reidar Ericsson of Ericsson.  
**CONTENT:** Proposes text for QoS parameter mapping.  
**DISCUSSION:** There was a cut & paste error in the change relating to Maximum Bitrate DL/UL and Guaranteed Bitrate DL/UL as specified ---- > this needs to be changed.  
Also some problems were identified with the mappings.

Siemens had concerns with using the directional attribute to derive class.

**RESULT:** The document was **REVISED to 0346**.

? **REVISED?**

**N3-020346 QoS Parameter mapping, source Ericsson.** Presented by Reidar Ericsson of Ericsson.

**DISCUSSION:** Additional offline remarks were received.

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

? **REVISED?**

**N3-020358 Rev. QoS Parameter mapping, source Ericsson and H3G.** Presented by Reidar Ericsson of Ericsson.

**DISCUSSION:** This contribution includes suggested text from H3G. the additional text proposes that the Maximum Authorised Traffic Class be derived from the SDP Media description.

Also change to the term 'shall' throughout the document.

In 7.2, the step 2 is missing, (hidden text).

The editors note was changed to say the rules 'are not finalized'.

Addition of a reference to TS 23.107.

**RESULT:** The document was **REVISED to 0359**.

? **REVISED?**

**N3-020359 Rev. QoS Parameter mapping, source Ericsson and H3G.** Presented by Reidar Ericsson of Ericsson.

**DISCUSSION:** Step 2 still not visible and H3G missing from source.

Shall needs to be re-introduced in section 7.1.1

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

? **REVISED?**

**N3-020363 Rev. QoS Parameter mapping, source Ericsson and H3G.** Presented by Reidar Ericsson of Ericsson.

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

**N3-020237 Proposed amendments to section 7.1.3 of TS 29.208 regarding SDP to UMTS QoS parameters mapping, source Lucent Technologies.** Presented by Daisuke Yokota of Lucent.

**DISCUSSION:** Already covered by N3-020346.

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

**N3-020285 QoS Parameter mapping, source H3G.** Presented by Hatef Yamini of H3G.

**CONTENT:** Specifies the UMTS QoS Parameters per Conversational and Streaming Application, and also suggests how the QoS Authorization Parameters shall be set by the PCF and the UE.

**DISCUSSION:** It was noted that the solution will not allow for interaction with non 3GPP SIP clients.

Ericsson had major concerns with implementing these mapping rules, as the change may result in future compatibility problems with Rel-5 terminals.

H3G did not feel that the Ericsson objection had real technical findings and saw no reason that this CR not be approved.



Ericsson suggested a more flexible approach where QoS is negotiated between the terminal and the network UPTO an authorized limit. H3G felt that having non-standard mapping could cause certain applications to malfunction.

Siemens agreed to the general idea but did not feel that the proposed rules were sufficient.

It was suggested that the mappings be made a recommendation as opposed to standardized text. Hatif could not agree with this as it is more negotiation between networks and handsets. For it to be effective and allow for effective roaming between handsets / USIMs and different operator networks.

Ericsson reposted that fora such as GSM association could be used to determine QoS levels between operators. H3G and Vodafone did not see this a realistic.

Brian Williams [Ericsson] also hi-lighted that applications may not be UMTS aware and request QoS resources that are not available over a mobile network. He believed that the proposal may be limiting for the future. Also this topic seems to be more 'requirements' related and guidance may be needed from SA1.

H3G stressed concerns that despite these future concerns the main concern must be NOT having terminals that do not work in our Rel-5 network today.

Additional text was proposed by H3G to the Ericsson contribution in N3-020358.

**RESULT:** The document was **MERGED into 0358**.

**N3-020365** Updated version of TS 29.208.

**CONTENT:** Contains the version of 29.208 that contains all of the changes agreed in CN3#22.

**RESULT:** The document was **PROVIDED BY EMAIL**.

## 9.4 Service change and UDI fall back

### [CN3 consider their work to this Work Item as xx% Complete](#)

**N3-020210** **LS on Service change and fallback for UDI/RDI multimedia calls [S1-020610], source SA1.** Presented by Patrice Hédé of Ericsson.

**CONTENT:** SA1 has added service requirements for service change and fallback, as well as for privacy. Please find the approved document from SA1#15 attached (S1-020609).

SA1 considers interworking with ISUP networks to be important, and that the work item on Service change and fallback for UDI/RDI multimedia calls shall cover this issue.

**DISCUSSION:** Juha Räsänen asked if SA1 means ISUP interworking only in the PLMN between MSCs. Patrice clarified that SA1 have requested interworking from the PLMN to ISUP networks, not only internal to the mobile network.

Although BICC already defines interworking to ISUP, the scope of this work is to define the interworking of a PLMN using BICC with ISUP.

There was concerns from NOKIA about the understanding between CN, CN1, CN3 and SA1 with regards to the scope of the interworking.

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

**N3-020276** **Revised WID for Service Change and UDI Fallback, source Ericsson.** Presented by Patrice Hédé of Ericsson.

**CONTENT:** This modification WID reflects the changes requested in CN#15 plenary.

The WID includes the new TS ab.cde "Technical Realisation of the CS Multimedia Service; UDI/RDI Fallback and Service Modification; Stage 2" owned by CN3 and to be completed by CN#16 (June 02).

**DISCUSSION:** Better use the term 'call set-up' as opposed to 'call completion'.

Norbert suggested asking SA1 if the new proposed WID aligns with their service requirement. Patrice explained that SA1 sent a proposed WID for CN consideration. The new (Ericsson) WID is more concrete and in aligns with the service requirements.

CN3 requests the number [TS 23.172] for the new specification "Technical Realisation of the CS Multimedia Service; UDI/RDI Fallback and Service Modification; Stage 2" Rune Werner Wiik of Ericsson will be the TS rapporteur.

There were changes to the various names of Vodafone groups

It was agreed to liase [N3-020308] the new proposed WID to SA1, asking them to confirm that CN3s understanding is aligned with the SA1 service requirements.

**RESULT:** The document was **REVISED to 0309.**

? **REVISED?**

**N3-020309** **Revised WID for Service Change and UDI Fallback, source Ericsson.** Presented by Patrice Hédé of Ericsson.

**DISCUSSION:** Should indicate that the TS number has been requested from MCC but not confirmed.

**RESULT:** The document was **REVISED to 0315.**

? **REVISED?**

**N3-020315** **Revised WID for Service Change and UDI Fallback, source Ericsson.** Presented by Rune Werner Wiik of Ericsson.

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

**N3-020308** **LS OUT to SA1 on " Service Change and UDI Fallback ", source Ericsson.** Presented by Patrice Hédé of Ericsson.

**DISCUSSION:** The WID reference needs to be updated and 0315 attached,

**RESULT:** The document was **REVISED to 0316.**

? **REVISED?**

**N3-020316** **Rev. LS OUT to SA1 on " Service Change and UDI Fallback ", source Ericsson.** Presented by Patrice Hédé of Ericsson.

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

**N3-020275** **Technical Realisation of CS Multimedia Service; UDI/RDI Fallback and Service Modification, source Ericsson.** Presented by Patrice Hédé of Ericsson.

**CONTENT:** Contains the proposed TS ab.cde (hopefully to become TS 23.172)

**DISCUSSION:** Siemens requested consistent use of the term 'node'. It is employed several times throughout the TS, but possibly has different meanings.

**Q.** 4.3.3 - why is the last point a NOTE and not a bullet point? **R.** The actual text specifying what is mentioned in the note is covered in 4.2.2. The note is a reminder.

**RESULT:** The document was **REVISED to 0310.**

? **REVISED?**

**N3-020310** **Rev. Technical Realisation of CS Multimedia Service; UDI/RDI Fallback and Service Modification, source Ericsson.** Presented by Patrice Hédé of Ericsson.

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

**N3-020284** **[Rev of N3-020278] CR 27.001 Rel-5: Service change and fallback for UDI/RDI multimedia calls, source Ericsson.** Presented by Patrice Hédé of Ericsson.

**CONTENT:** The CR updates the support for multimedia calls.

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

**N3-020279** **CR 29.007 Rel-5: Service change and fallback for UDI/RDI multimedia calls, source Ericsson.** Presented by Patrice Hédé of Ericsson.

**CONTENT:** The CR updates the support for multimedia calls.

**DISCUSSION:** Need to add a reference to the new TSab.cde (in text and in .

Also should be made to v5.1.0

Also need consistent use of terms 3GPP TS.

Also CR Rev status is 5 and not 4.

**RESULT:** The document was **REVISED to 0311.**

? **REVISED?**

**N3-020311** **Rev. CR 29.007 Rel-5: Service change and fallback for UDI/RDI multimedia calls, source Ericsson.** Presented by Patrice Hédé of Ericsson.

**DISCUSSION:** Agreed under the condition that the specification number has to be confirmed by MCC. If not the CR will be revised with the correct TS number.

**RESULT:** The document was **AGREED [CONDITION].**

**N3-020277** **CR 24.008 Rel-5: Service change and fallback for UDI/RDI multimedia calls, source Ericsson.** Presented by Patrice Hédé of Ericsson.

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

## 9.5 Other Rel-5 Work Items

### 9.5.1 New WIDs

**N3-020190** **WID for "Support of the Multicast Broadcast Multimedia Service (MBMS) in CN protocols" (NP-020088),source CN.** Presented by Hatef Yamini of H3G.

**DISCUSSION:** Identical to 0266

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

**N3-020226** **WID MBMS, source H3G.** Presented by Hatef Yamini of H3G.

**CONTENT:** Contains the WID for Support of the Multicast Broadcast Multimedia Service (MBMS) in CN protocols that was approved at SA#15.

**DISCUSSION:** The aim is to complete this work by TSG#17 (Sept 2002). CN3 are tasked by CN plenary to identify what needs to be done on this WID.

There is a workshop in MBMS in the coming weeks and Vodafone proposed awaiting the outcome of this workshop before agreeing this WID. Also Vodafone feel the date of Sept 2002 is too early. The protocol between the MGSN and the MMBS node has not yet been agreed. However Vodafone do support this work (just concerns with the timescales).

Hatef clarified that the workshop is for GERAN on radio issues and will not involve core network discussions. Also H3G believes the work can be completed by the December 2002 timeframe.

CN3 cannot clearly identify impact on CNs work at this time (although it is expected to be in TS 29.061).

CN3 will await the outcome of work in SA2 before progressing this work.

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

**N3-020227** **Presence Service Clarifications needed for work split and scope, source H3G.** Presented by Hatef Yamini of H3G.

**CONTENT:** This contribution aims to raise some initial questions that can be presented to SA2 for clarification during the CN1/SA2 joint session in Madrid.

**DISCUSSION:** Note: The Pk reference point [GGSN - PRESENCE AGENT] is assumed to be CN3 responsibility.

Norbert reminded that Protocol decisions will be made by CN groups and NOT SA2.

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

**N3-020259** **Framing Protocol Interworking, source Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:** This contribution proposes the creation of a new WI [N3-020260] for interworking between 3GPP PLMN and external PLMNs/PSTNs.

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

**N3-020260** **WID: "Interworking Of Circuit Switched User Plane between 3GPP and external PLMN/PSTN/ISDN networks", source Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:** Contains a proposed new WID for ' Interworking Of Circuit Switched User Plane between 3GPP and external PLMN/PSTN/ISDN networks'. This work is proposed to be included in Rel-6.

**DISCUSSION:** Needs more supporting companies and the WID needs to be classified (with respect to the Workplan).

Orange France, Vodafone and mm02 added their support to this work item.

**RESULT:** The document was **REVISED to 0290**.

? **REVISED?**

**N3-020290** **Rev. WID: "Interworking Of Circuit Switched User Plane between 3GPP and external PLMN/PSTN/ISDN networks", source Ericsson.** Presented by Phil Hodges of Ericsson.

**DISCUSSION:** DAB will check where this WID will be placed in the Work plan?

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

**Following a discussion on Worksplite in CN3#23 - it was decided to withdraw this WID**

**N3-020282** **Training Protocol Interworking, source Siemens.** Presented by Norbert Klehn of Siemens.

**CONTENT:** This contribution comments on the new work item proposed by Ericsson [N3-020260].

Two approaches are feasible to avoid transcoding:

1. Extend BICC to allow a negotiation of framing protocols at the boarder between PLMNs, as detailed in the draft contributions to the ITU-T presented by Ericsson.
2. Provide an interworking between the framing protocols, i.e. between luFP and I.366.2, and between luFP and RTP.

Siemens feels it is undesirable to pursue both approaches in parallel due to the duplicated effort and suggests selecting only one of the approaches.

Siemens is willing to support the WID if only one solution is allowed and the preferred solution is BICC extension.

**DISCUSSION:** Ericsson clarified that the solution 2 already exists and all they propose is to standardize the missing interworking between framing protocols. However the main thrust of the WID is to standardize the extensions to BICC.

Constance Guilleray [France Telecom] supported the use of the second option (in addition to the first) because if we standardize only BICC extensions the interworking between luFR and I.366.2 is missing. This means that an external BICC fixed networks will not support luFP.

After some discussion the Siemens proposal was not agreed.

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

## 9.5.2 QoS impacts on GPRS

**N3-020255** **CR 29.061 Rel-5: Negotiated / requested QoS clarification, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

**CONTENT:** The CR clarifies which one out of the negotiated or requested QoS should be used in the Access Request message in 29.061.

**DISCUSSION:** Contradicts the change proposed by CISCO in N3-020230.

The meeting agreed that we need the negotiated value did not agree on the need to send the requested QoS in the message.

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

**N3-020256** **CR 29.061 Rel-5: QoS profile value, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

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

**N3-020257** **CR 29.061 Rel-5: QoS profile attributes: release indicator length not needed, source Nortel Networks.** Presented by Celine Bonnel of Nortel.

**DISCUSSION:** Contradicts the change proposed by CISCO in N3-020230.

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

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## 10 Joint sessions

No joint sessions were held during this meeting.

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## 11 Work Organization

### 11.1 Work Plan Review

**N3-020184:** **3GPP Project Plan.** Presented by David, MCC.

**CONTENT:** Contains the latest version of the 3GPP project plan, as approved at SA#15 plenary including several updates from WGs.

**DISCUSSION:** As there is one more meeting before CN plenary it was agreed not to update the Cn3 part of the work plan until CN3#23.

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

### 11.2 Specification Review

**N3-020185:** **CN3 Specification status following CN Plenary # 15.** Presented by David, MCC.

**CONTENT:** Contains a list of the CN3 specification, and their status following SA#15.

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

### 11.3 Future Work

It was agreed that CN3 will hold a drafting session in Budapest on the Thursday and Friday (or Saturday) before CN3#23.

The chairman again emphasised that the delegates should consider the drafting rules when providing contributions. This accelerates the work and it helps the rapporteurs and MCC secretaries in the process of implementing the change requests.

Norbert reminded the meeting that CN3 still has no vice chairman. Candidates are welcomed.

### 11.4 Next meetings, allocation of hosts

May 2002				
TITLE	TYPE	DATES	LOCATION / HOST	CTRY
<a href="#">3GPPCN3#23</a>	WG	13 - 17 May 2002	Budapest , Ericsson **	HU
Jun 2002				
<a href="#">3GPPCN-#16</a>	OR	5 - 7 Jun 2002	Marco Island, Florida , NA Friends	US
Jul 2002				
<a href="#">3GPPCN3-#24</a>	WG	29 Jul - 2 Aug 2002	Helsinki , SONERA *	FI
Sep 2002				
<a href="#">3GPPCN-#17</a>	OR	4 - 6 Sep 2002	Biarritz , ALCATEL	FR
<a href="#">3GPPCN3-#25</a>	WG	23 - 27 Sep 2002	North America , NA Friends *	US
Nov 2002				
<a href="#">3GPPCN3-#26</a>	WG	11 - 15 Nov 2002	Bangkok, JP Friends *	TH
Dec 2002				
<a href="#">3GPPCN-#18</a>	OR	4 - 6 Dec 2002	New Orleans, NA Friends	US
Mar 2003				
<a href="#">3GPPCN-#19</a>	OR	12 - 14 Mar 2003	Jersey Island, UK Friends	UK
Jun 2003				
<a href="#">3GPPCN-#20</a>	OR	4 - 6 Jun 2003	Finland	FI
Sep 2003				
<a href="#">3GPPCN-#21</a>	OR	17 - 19 Sep 2003	DE	DE
Dec 2003				
<a href="#">3GPPCN-#22</a>	OR	10 - 12 Dec 2003	TBD	US

\* Co-located CN1, CN2, CN3, and CN4.

\*\* Co-located CN1, CN2, CN3, CN4 and CN5.

## 12 Summary of results

### 12.1 Work Items

The following WIDs were agreed by CN3, and are to be sent to the TSG-CN#16 Plenary for Approval:

TDoc #	Tdoc Title	WI	Rel
N3-020315	Revised WID for Service Change and UDI Fallback	SCUDIF	Rel-5
N3-020290	WID: " Interworking Of Circuit Switched User Plane between 3GPP and external PLMN/PSTN/ISDN networks"	No Code yet.	Rel-6

### 12.2 Liaison Statements

The following Liaison Statements were agreed by CN3:

TDoc #	Tdoc Title	LS to	LS cc	LS Attachment
N3-020316	Reply LS on Service change and fallback for UDI/RDI multimedia calls	SA1	-	N3-020315
N3-020356	LS on Multiple Codecs	CN1, SA2, SA5	-	none
N3-020357	LS on "Working assumptions in CN3"	SA2	-	none
N3-020360	Re. LS on Access dependent services and features for GERAN lu mode	SA1	-	none
N3-020361	LS on "IPv6 update of stage 3 specifications"	SA2	CN, CN1, CN2, SA3, SA5, T, T1,T2	N3-020328
N3-020362	LS on "Mapping rules for authorisation	SA1	CN1	N3-020363

### 12.3 Change Requests

The following CRs were agreed by CN3, and are to be sent to the TSG-CN#16 Plenary for Approval:

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	Rel	C_Ver
N3-020291	Corrections to the 3GPP RADIUS attributes	09.61	A035	-	F	R97	6.7.0
N3-020292	Corrections to the 3GPP RADIUS attributes	09.61	A036	-	A	R98	7.6.0
N3-020350	Clarifications on the RADIUS flows	09.61	A037	1	F	R97	6.7.0
N3-020351	Clarifications on the RADIUS flows	09.61	A038	1	A	R98	7.6.0
N3-020284	Service change and fallback f or UDI/RDI multimedia calls	27.001	071	7	C	Rel-5	5.1.0
N3-020304	Multislot clarification	27.001	077	1	F	Rel-5	5.1.0
N3-020311	Service change and fallback for UDI/RDI multimedia calls	29.007	046	6	C	Rel-5	5.1.0
N3-020281	Clarification to VMSC/HLR logic for modem/facsimile calls	29.007	048	1	F	Rel-5	5.1.0
N3-020312	Signalling of FTM calls	29.007	050	2	F	R99	3.9.0
N3-020313	Signalling of FTM calls	29.007	051	1	A	Rel-4	4.3.0

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	Rel	C_Ver
N3-020314	Signalling of FTM calls	29.007	052	1	A	Rel-5	5.2.0
N3-020352	Clarifications on the RADIUS flows	29.061	047	1	A	R99	3.1.0
N3-020294	Corrections to the 3GPP RADIUS attributes	29.061	048	1	A	Rel-4	4.4.0
N3-020293	Corrections to the 3GPP RADIUS attributes	29.061	053	-	A	R99	3.1.0
N3-020295	Corrections to the 3GPP RADIUS attributes	29.061	054	-	A	Rel-5	5.1.0
N3-020353	Clarifications on the RADIUS flows	29.061	055	3	A	Rel-4	4.4.0
N3-020354	Clarifications on the RADIUS flows	29.061	056	1	A	Rel-5	5.1.0

## 12.4 TRs / TSs

The following TR/TSs were agreed by CN3, and are to be sent to the TSG-CN#16 Plenary for information / approval:

TDoc #	Spec	Tdoc Title	C_Version	Rel
N3-020310	23.172	Technical Realisation of Circuit Switched (CS) Multimedia Service; UDI/RDI Fallback and Service Modification	1.0.0	Rel-5

## 12.5 Other

None in this meeting.

## 12.6 Summary of Action Points

**Note:** Includes all open action from previous meetings

No action points were noted for this meeting.

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## 13 Any other business

None

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## 14 Close of meeting

Norbert closed the 22<sup>nd</sup> CN3 meeting on Friday 12<sup>th</sup> April at 12:30, and thanked the host for the excellent meeting location and arrangements.

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



## Annex A: List of CN3 Meeting Participants

The following delegates attended the CN3#22 meeting.

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## Annex B: List of documents

Details can also be found in the file *N3\_22\_Tdoc\_list.xls* on the meeting server.

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020172	2	AGENDA	Draft Agenda for CN3#22 meeting (Ft. Lauderdale)	CN3 Chair								APPROVED
N3-020173	4.1	REPORT	Draft meeting report from N3#21 (Sophia)	MCC								APPROVED
N3-020174	4.1	REPORT	Draft meeting report from N3#21bis (Sophia)	MCC								APPROVED
N3-020175	4.2	REPORT	Draft meeting report from CN#15 (Jeju Island)	MCC								NOTED
N3-020176	4.2	E-MAIL	Notice to CN3 following CN#15	CN3 Chair								NOTED
N3-020177	4.3	E-MAIL	Notice to CN following SA#15	CN Chair								NOTED
N3-020178	4.3	REPORT	Draft meeting report from SA#15 (Jeju Island)	MCC								NOTED
N3-020179	3	DAD	Allocation of documents to agenda items (Start Day1)	CN3 Chair								NOTED
N3-020180	3	DAD	Allocation of documents to agenda items (Start Day2)	CN3 Chair								NOTED
N3-020181	3	DAD	Allocation of documents to agenda items (Start Day3)	CN3 Chair								NOTED
N3-020182	3	DAD	Allocation of documents to agenda items (Start Day4)	CN3 Chair								NOTED
N3-020183	3	DAD	Allocation of documents to agenda items (Start Day5)	CN3 Chair								NOTED
N3-020184	11.1	WORK PLAN	Latest Version of the 3GPP Work Plan	MCC								NOTED
N3-020185	11.2	LIST	Status of CN3 specifications following SA#15	MCC								NOTED
N3-020186	4.2	REPORT	Slides from CN#15 to SA#15	CN Chair								NOTED
N3-020187	9.3	LS OUT	LS to SA5 on Generation of GPRS Charging ID	CN3	e2e QoS							NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020188	9.3	LS IN	Proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol development based on IP transfer capabilities and IP	ITU-T SG13								NOTED
N3-020189	9.3	LS IN	Re. to liaison statement on Generic QoS Service Requirements (NP-020122)	ITU-T SG13								NOTED
N3-020190	9.5	WID	WID for "Support of the Multicast Broadcast Multimedia Service (MBMS) in CN protocols" (NP-020088)	CN	Other REL-5 Wis							WITHDRAWN
N3-020191	9.2	WID	WID - Interworking between IM CN subsystem and CS networks (Np-020090)	CN3	Interworking between IM subsystem and							NOTED
N3-020192	9.1	WID	WID for Interworking between IM CN subsystem and IP networks (Np-020091)	CN3	Interworking between IM subsystem and							NOTED
N3-020193	9.3	WID	WID for End-to-end QoS Stage 3 (Np-020092)	CN3	e2e QoS							NOTED
N3-020194	7	LS IN	LS on "Prefix allocation for IPv6 stateless address autoconfiguration":(NP-020014 - S2-020910)	SA2								NOTED
N3-020195	7	LS IN	LS on adapting to IETF improvements contained in "unified draft" ( NP-020015 - S2-020914)	SA2								NOTED
N3-020196	9.1	DISCUSSION DOC	RFC Numbers Allocated by IETF (NP-020134)	CN Chair	Interworking between IM subsystem and							NOTED
N3-020197	9.5	CR	Allocation of unique prefixes to IPv6 terminals	Motorola	Other REL-5 Wis	076		A	27.060	Rel-5	5.0.0	WITHDRAWN
N3-020198	9.5	CR	IPv6 stateless address autoconfiguration	Motorola	Other REL-5 Wis	040		A	29.061	Rel-5	5.1.0	MERGED WITH 0218 INTO 0286
N3-020199	7	LS IN	Re. to LS on "Procedure for specifying UMTS QoS Parameters per Application" [S4-020198]	SA4								NOTED
N3-020200	7	LS IN	Reply to the Liaison Statement on Clarifications regarding GERAN lu mode [GP-020496]	GERAN								NOTED
N3-020201	7	LS IN	Bandwidth parameter in SDP payload on session level [N1-020426]	CN1								NOTED
N3-020202	7	LS IN	Liaison statement on the transparent transfer via SGSN of application level information between UE and GGSN [N1-020431]	CN1								NOTED
N3-020203	7	LS IN	Response LS on "Procedure for specifying UMTS QoS Parameters per Application" [R1-020423]	RAN1								NOTED
N3-020204	7	LS IN	Liaison Statement on the support of legacy transceivers (voice and data) " [S1-020656]	SA1								NOTED
N3-020205	7	LS IN	Response to the LS "requesting that the IMS Charging ID (ICID) is provided to access network" [S2-020876]	SA2								NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020206	7	LS IN	LS on adapting to IETF improvements contained in "unified draft" [S2-020914]	SA2								WITHDRAWN
N3-020207	7	LS IN	LS on Support of Legacy GSM Transceivers (voice and data) [GP-020503]	GERAN								NOTED
N3-020208	7	LS IN	Liaison Statement on DTMF [N1-020666]	CN1								NOTED
N3-020209	7	LS IN	LS on Access dependent services and features for GERAN lu mode [S1-020472]	SA1								NOTED
N3-020210	9.4	LS IN	LS on Service change and fallback for UDI/RDI multimedia calls [S1-020610]	SA1								NOTED
N3-020211	7	LS IN	Liaison Statement on "Prefix allocation for IPv6 stateless address autoconfiguration" [S2-020910]	SA2								WITHDRAWN
N3-020212	7	LS IN	Re. to "LS on The addition of the H.324 M codec to TS 26.103" [S4-020194]	SA4								NOTED
N3-020213	8.1	CR	Optional dropping of user data by the GGSN before the Accounting Response (START) is received	SIEMENS AG	GPRS	A033		F	09.61	R97	6.7.0	MERGED WITH 0296
N3-020214	8.1	CR	Optional dropping of user data by the GGSN before the Accounting Response (START) is received	SIEMENS AG	GPRS	A034		A	09.61	R98	7.6.0	MERGED WITH 0297
N3-020215	8.1	CR	Optional dropping of user data by the GGSN before the Accounting Response (START) is received	SIEMENS AG	GPRS	041		A	29.061	R99	3.9.0	MERGED WITH 0298
N3-020216	8.1	CR	Optional dropping of user data by the GGSN before the Accounting Response (START) is received	SIEMENS AG	GPRS	042		A	29.061	Rel-4	4.4.0	MERGED WITH 0299
N3-020217	8.1	CR	Optional dropping of user data by the GGSN before the Accounting Response (START) is received	SIEMENS AG	GPRS	043		A	29.061	Rel-5	5.1.0	MERGED WITH 0300
N3-020218	9.5	CR	Address autoconfiguration of IPv6 terminals	Ericsson	IMS-CCR	044		C	29.061	Rel-5	5.1.0	REVISED TO 0286
N3-020219	9.5	CR	Usage of Radius with IPv6 on Gi interface	Ericsson	IMS-CCR	045		C	29.061	Rel-5	5.1.0	REVISED TO 0288
N3-020220	9.5	CR	General IPv6 changes to 29.061	Ericsson	IMS-CCR	046		C	29.061	Rel-5	5.1.0	REVISED TO 0289
N3-020221	7	LS IN	Response to the LS "Access dependent services and features for GERAN lu mode" [G2-020400]	GERAN2								NOTED
N3-020222	9.3	[CR]	Multiplexing different Media Components within single PDP	H3G	e2e QoS				29.207	Rel-5	1.0.0	NOTED
N3-020223	9.3	[CR]	QoS information fields	H3G	e2e QoS				29.207	Rel-5	1.0.0	NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020224	9.3	DISCUSSION DOC	Autorisation of multiple PDP contexts	H3G	e2e QoS				29.207	Rel-5	1.0.0	WITHDRAWN
N3-020225	9.3	[CR]	Go Interface functionality	H3G	e2e QoS				29.207	Rel-5	1.0.0	WITHDRAWN
N3-020226	11	WID	MBMS	H3G								NOTED
N3-020227	11	DISCUSSION DOC	Presence Service Clarifications needed for work split and scope	H3G								NOTED
N3-020228	9.3	[CR]	SBLP Policy Modification Procedures	AWS	e2e QoS				29.207	Rel-5	1.0.0	MERGED INTO 0317
N3-020229	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	047			29.061	Rel-4	4.4.0	REVISED TO 0299
N3-020230	8.1	CR	Corrections to the 3GPP RADIUS attributes	Cisco	GPRS	048			29.061	Rel-4	4.4.0	MERGED INTO 0294
N3-020231	9.3	DISCUSSION DOC	TCP connections on Go	Cisco	e2e QoS					Rel-5		REVISED TO 0341
N3-020232	9.3	DISCUSSION DOC	Clarifications on Diffserv	Cisco	e2e QoS					Rel-5		WITHDRAWN
N3-020233	9.3	[CR]	Proposed amendments to DiffServ edge function related sections of TS 29.207	Lucent Technologies	e2e QoS				29.207	Rel-5	1.0.0	REJECTED
N3-020234	9.3	[CR]	Proposed descriptions of binding mechanism of UE in TS 29.207	Lucent Technologies	e2e QoS				29.207	Rel-5	1.0.0	NOTED
N3-020235	9.3	[CR]	Proposed amendments to the scope of TS 29.208	Lucent Technologies	e2e QoS				29.208	Rel-5	1.0.0	AGREED
N3-020236	9.3	[CR]	Proposed amendments to section 5 of TS 29.208 to cover use of cached policy in Local Decision Point on GGSN	Lucent Technologies	e2e QoS				29.208	Rel-5	1.0.0	REVISED TO 0345
N3-020237	9.3	[CR]	Proposed amendments to section 7.1.3 of TS 29.208 regarding SDP to UMTS QoS parameters mapping	Lucent Technologies	e2e QoS				29.208	Rel-5	1.0.0	WITHDRAWN
N3-020238	9.3	[CR]	Proposed deletion of unnecessary editor's notes in TS 29.208	Lucent Technologies	e2e QoS				29.208	Rel-5	1.0.0	AGREED
N3-020239	8	DISCUSSION DOC	Signalling of FTM calls	Ericsson								NOTED
N3-020240	8	CR	Signalling of FTM calls	Ericsson	TEI	050		F	29.007	R99	3.9.0	REVISED TO 0301
N3-020241	9.3	[CR]	Definitions	Siemens	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0305

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020242	9.3	[CR]	Binding mechanism handling in the GGSN	Siemens	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0321
N3-020243	9.3	[CR]	Service-based local policy decision point	Siemens	e2e QoS				29.207	Rel-5	1.0.0	REJECTED
N3-020244	9.3	[CR]	Binding mechanism handling in the PCF	Siemens	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020245	9.3	[CR]	Type of COPS messages description	Siemens	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0347
N3-020246	9.3	[CR]	QoS authorisation call flow	Siemens	e2e QoS				29.208	Rel-5	1.0.0	REVISED TO 0344
N3-020247	9.3	[CR]	Authorised QoS information passed from the PCF to the GGSN	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	POSTPONED TO EMAIL
N3-020248	9.3	[CR]	M-type / R-type	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020249	9.3	[CR]	Capabilities negotiation at initialisation	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0338
N3-020250	9.3	[CR]	Go PIB skeleton built upon with explanatory background text	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0340
N3-020251	9.3	[CR]	Packet filters data structure	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0324
N3-020252	9.3	[CR]	Multiple PCFs	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	WITHDRAWN
N3-020253	9.3	DISCUSSION DOC	PIB Overview	Nortel Networks	e2e QoS							NOTED
N3-020254	9.3	DISCUSSION DOC	Usage reporting Feedback	Nortel Networks	e2e QoS							WITHDRAWN
N3-020255	9.5	CR	Negotiated / requested QoS clarification	Nortel Networks	Other REL-5 Wis	049			29.061	Rel-5	5.1.0	REJECTED
N3-020256	9.5	CR	QoS profile value	Nortel Networks	Other REL-5 Wis	050			29.061	Rel-5	5.1.0	WITHDRAWN
N3-020257	9.5	CR	QoS profile attributes: release indicator length not needed	Nortel Networks	Other REL-5 Wis	051			29.061	Rel-5	5.1.0	REJECTED
N3-020258	9.5	CR	Multislot clarification	Nortel Networks	Other REL-5 Wis	077			27.001	Rel-5	5.1.0	REVISED TO 304
N3-020259	9.5.1	DISCUSSION DOC	Framing Protocol Interworking	L.M. Ericsson								NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020260	9.5.1	WID	WID: " Interworking Of Circuit Switched User Plane between 3GPP and external PLMN/PSTN/ISDN networks"	L.M. Ericsson								REVISED TO 0290
N3-020261	9.3	OTHER	Validating binding information against the UE	Ericsson	e2e QoS							POSTPONED TO CN3#23
N3-020262	9.3	OTHER	SBLP based filters and TFTs	Ericsson	e2e QoS							WITHDRAWN
N3-020263	9.3	OTHER	Requirements on SBLP Filters	Ericsson	e2e QoS							WITHDRAWN
N3-020264	9.3	[CR]	Combining QoS for multiple media components	Ericsson	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0306
N3-020265	9.3	OTHER	Session Modification	Ericsson	e2e QoS							MERGED INTO 0317
N3-020266	9.3	[CR]	QoS Parameter mapping	Ericsson	e2e QoS			B	29.208	Rel-5	1.0.0	REVISED TO 0383
N3-020267	9.3	[CR]	Authorized QoS	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0323
N3-020268	9.3	[CR]	Media authorization information from SIP session	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0322
N3-020269	9.3	[CR]	SBLP decision point	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0319
N3-020270	9.3	[CR]	Device capability and initial Go policy provisioning	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0339
N3-020271	9.3	[CR]	Go message description	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0337
N3-020272	9.3	[CR]	Handling of error cases in Go interface	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0325
N3-020273	9.3	[CR]	PDP context modification	Nokia	e2e QoS				29.207	Rel-5	1.0.0	MERGED into 0317
N3-020274	9.5	DISCUSSION DOC	IPv6 update of earlier releases of 29.061	Ericsson	Other REL-5 Wis							NOTED
N3-020275	9.4	TS	Technical Realisation of CS Multimedia Service; UDI/RDI Fallback and Service Modification	Ericsson	SCUDIF				ab.cde	Rel-5		REVISED TO 0310
N3-020276	9.4	WID	Revised WID for Service Change and UDI Fallback	Ericsson	SCUDIF							REVISED TO 0309
N3-020277	9.4	CR(info)	Service change and fallback for UDI/RDI multimedia calls	Ericsson	SCUDIF	551	3	C	24.008	Rel-5	5.3.0	NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020278	9.4	CR	Service change and fallback for UDI/RDI multimedia calls	Ericsson	SCUDIF	71	6	C	27.001	Rel-5	5.1.0	REVISED TO 0284
N3-020279	9.4	CR	Service change and fallback for UDI/RDI multimedia calls	Ericsson	SCUDIF	46	5	C	29.007	Rel-5	5.1.0	REVISED TO 0311
N3-020280	9.3	[CR]	Binding Mechanism	AWS	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0320
N3-020281	9.5	CR	Clarification to VMSC/HLR logic for modem/facsimile calls	Vodafone	Other REL-5 Wls	048	1	F	29.007	Rel-5	5.1.0	AGREED
N3-020282	9.5.1	DISCUSSION DOC	Training protocol Interworking	Siemens								NOTED
N3-020283	9.3	[CR]	QoS Parameter mapping	Ericsson	e2e QoS			B	29.208	Rel-5	1.0.0	REVISED TO 0346
N3-020284	9.4	CR	Service change and fallback for UDI/RDI multimedia calls	Ericsson	SCUDIF	71	7	C	27.001	Rel-5	5.1.0	AGREED
N3-020285	9.3	[CR]	QoS Parameter mapping	H3G	e2e QoS							MERGED into 0358
N3-020286	9.5	CR	Stateless Address autoconfiguration of IPv6 terminals	Ericsson	IMS-CCR	044		C	29.061	Rel-5	5.1.0	REVISED TO 0328
N3-020287	9.5	CR	Statefull Address autoconfiguration of IPv6 terminals	Ericsson	IMS-CCR	052			29.061	Rel-5	5.1.0	REVISED TO 0330
N3-020288	9.5	CR	Usage of Radius with IPv6 on Gi interface	Ericsson	IMS-CCR	045	1	C	29.061	Rel-5	5.1.0	MERGED INTO 0328
N3-020289	9.5	CR	General IPv6 changes to 29.061	Ericsson	IMS-CCR	046		C	29.061	Rel-5	5.1.0	MERGED INTO 0328
N3-020290	9.5.1	WID	WID: " Interworking Of Circuit Switched User Plane between 3GPP and external PLMN/PSTN/ISDN networks"	L.M. Ericsson						Rel-6		AGREED
N3-020291	8.1	CR	Corrections to the 3GPP RADIUS attributes	Cisco	GPRS	A035		F	09.61	R97	6.7.0	AGREED
N3-020292	8.1	CR	Corrections to the 3GPP RADIUS attributes	Cisco	GPRS	A036		A	09.61	R98	7.6.0	AGREED
N3-020293	8.1	CR	Corrections to the 3GPP RADIUS attributes	Cisco	GPRS	053		A	29.061	R99	3.1.0	AGREED
N3-020294	8.1	CR	Corrections to the 3GPP RADIUS attributes	Cisco	GPRS	048	1	A	29.061	Rel-4	4.4.0	AGREED
N3-020295	8.1	CR	Corrections to the 3GPP RADIUS attributes	Cisco	GPRS	054		A	29.061	Rel-5	5.1.0	AGREED



TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020296	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	A037		F	09.61	R97		REVISED TO 0351
N3-020297	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	A038		A	09.61	R98		REVISED TO 0352
N3-020298	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	047		A	29.061	R99		REVISED TO 0353
N3-020299	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	055	1	A	29.061	Rel-4	4.4.0	REVISED TO 0334
N3-020300	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	056		A	29.061	Rel-5	5.1.0	REVISED TO 0354
N3-020301	8	CR	Signalling of FTM calls	Ericsson	TEI	050	1	F	29.007	R99	3.9.0	REVISED TO 0312
N3-020302	8	CR	Signalling of FTM calls	Ericsson	TEI	051		A	29.007	Rel-4		REVISED TO 0313
N3-020303	8	CR	Signalling of FTM calls	Ericsson	TEI	052		A	29.007	Rel-5		REVISED TO 0314
N3-020304	9.5	CR	Multislot clarification	Nortel Networks	Other REL-5 Wis	077	1	F	27.001	Rel-5	5.1.0	AGREED
N3-020305	9.3	[CR]	Definitions	Siemens	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020306	9.3	[CR]	Combining QoS for multiple media components	Ericsson	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020307	9.3	LS OUT	to SA2	Ericsson								REVISED TO 0357
N3-020308	9.4	LS OUT	to SA1	Ericsson								REVISED TO 0316
N3-020309	9.4	WID	Revised WID for Service Change and UDI Fallback	Ericsson								REVISED TO 0315
N3-020310	9.4	TS	Technical Realisation of CS Multimedia Service; UDI/RDI Fallback and Service Modification	Ericsson	SCUDIF				23.172	Rel-5	1.0.0	AGREED
N3-020311	9.4	CR	Service change and fallback for UDI/RDI multimedia calls	Ericsson	SCUDIF	46	6	C	29.007	Rel-5	5.1.0	AGREED
N3-020312	8	CR	Signalling of FTM calls	Ericsson	TEI	050	2	F	29.007	R99	3.9.0	AGREED
N3-020313	8	CR	Signalling of FTM calls	Ericsson	TEI	051	1	A	29.007	Rel-4	4.3.0	AGREED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020314	8	CR	Signalling of FTM calls	Ericsson	TEI	052	1	A	29.007	Rel-5	5.2.0	AGREED
N3-020315	9.4	WID	Revised WID for Service Change and UDI Fallback	Ericsson	SCUDIF					Rel-5		AGREED
N3-020316	9.4	LS OUT	Reply LS on Service change and fallback for UDI/RDI multimedia calls	Ericsson								APPROVED
N3-020317	9.3	[CR]	Session Modification	Drafting group	e2e QoS							REVISED TO 0335
N3-020318	9.3	LS OUT	to CN1 and SA2 on Multiple Codecs	CN3								REVISED TO 0356
N3-020319	9.3	[CR]	SBLP decision point	Nokia	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020320	9.3	[CR]	Binding mechanism handling in the GGSN	Siemens	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020321	9.3	[CR]	Binding mechanism handling in the GGSN	Siemens	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020322	9.3	[CR]	Media authorization information from SIP session	Nokia	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0342
N3-020323	9.3	[CR]	Packet filters data structure	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	REVISED TO 0343
N3-020324	9.3	[CR]	Packet filters data structure	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	POSTPONED TO CN3#23
N3-020325	9.3	[CR]	Handling of error cases in Go interface	Nokia	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020326	9.3	REPORT	Output from Go drafting session									NOTED
N3-020327	9.3	LS OUT	Re. LS to SA1 on Access dependent services and features for GERAN Iu mode	CN3								REVISED TO 0355
N3-020328	9.5	CR	Stateless Address autoconfiguration of IPv6 terminals	Ericsson	IMS-CCR	044		C	29.061	Rel-5	5.1.0	AGREED
N3-020329	9.5	LS OUT	Liaison Statement on "IPv6 update of stage 3 specifications	CN3								REVISED TO 0348
N3-020330	9.5	CR	Statefull Address autoconfiguration of IPv6 terminals	Ericsson	IMS-CCR	052	2	F	29.061	Rel-5	5.1.0	MERGED INTO 0328
N3-020331	7	LS IN	Reply LS (to N3-020187) on "Generation of GPRS Charging ID" from CN3 [S5-024023]	SA5								NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020332	7	LS IN	Re. to LS (N3-020119) on Procedure for specifying UMTS QoS Parameters per Application [R2-020793]	R2								POSTPONED to CN3#23
N3-020333	7	LS IN	Response to LS (N1-020666) on DTMF [R2-020795]	R2								NOTED
N3-020334	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	055	2	A	29.061	Rel-4	4.4.0	REVISED TO 0353
N3-020335	9.3	[CR]	Session Modification	Drafting group	e2e QoS							AGREED
N3-020336	9.3.2	PRESENTATION	Presentation on PIBs	Nortel								NOTED
N3-020337	9.3	[CR]	Go message description	Nokia	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020338	9.3	[CR]	Capabilities negotiation at initialisation	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	Partly AGREED
N3-020339	9.3	[CR]	Device capability and initial Go policy provisioning	Nokia	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020340	9.3	[CR]	Go PIB skeleton built upon with explanatory background text	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	E-Mail Discussion
N3-020341	9.3	DISCUSSION DOC	TCP connections on Go	Cisco	e2e QoS					Rel-5		AGREED
N3-020342	9.3	[CR]	Media authorization information from SIP session	Nokia	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020343	9.3	[CR]	Packet filters data structure	Nortel Networks	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020344	9.3	[CR]	QoS authorisation call flow	Siemens	e2e QoS				29.208	Rel-5	1.0.0	AGREED
N3-020345	9.3	[CR]	Proposed amendments to cover use of cached policy in Local Decision Point on GGSN	Lucent Technologies	e2e QoS				29.208	Rel-5	1.0.0	AGREED
N3-020346	9.3	[CR]	QoS Parameter mapping	Ericsson	e2e QoS			B	29.208	Rel-5	1.0.0	REVISED TO 0358
N3-020347	9.3	[CR]	Type of COPS messages description	Siemens	e2e QoS				29.207	Rel-5	1.0.0	AGREED
N3-020348	9.5	LS OUT	Liaison Statement on "IPv6 update of stage 3 specifications	CN3								REVISED TO 0361
N3-020349	9.3	LS OUT	Liaison Statement on "Mapping rules for authorisation	CN3								REVISED TO 0362

TDoc #	Agenda	Type	Tdoc Title	Source	WI	CR #	Rev	CAT	Spec	Rel	C_Versi	Status
N3-020350	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	A037	1	F	09.61	R97	6.7.0	AGREED
N3-020351	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	A038	1	A	09.61	R98	7.6.0	AGREED
N3-020352	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	047	1	A	29.061	R99	3.1.0	AGREED
N3-020353	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	055	3	A	29.061	Rel-4	4.4.0	AGREED
N3-020354	8.1	CR	Clarifications on the RADIUS flows	Cisco	GPRS	056	1	A	29.061	Rel-5	5.1.0	AGREED
N3-020355	9.3	LS OUT	Re. LS to SA1 on Access dependent services and features for GERAN lu mode	CN3								REVISED TO 0360
N3-020356	9.3	LS OUT	LS on Multiple Codecs	CN3								APPROVED
N3-020357	9.3	LS OUT	LS on "Working assumptions in CN3"	CN3								APPROVED
N3-020358	9.3	[CR]	QoS Parameter mapping	Ericsson	e2e QoS			B	29.208	Rel-5	1.0.0	REVISED TO 0359
N3-020359	9.3	[CR]	QoS Parameter mapping	Ericsson	e2e QoS			B	29.208	Rel-5	1.0.0	REVISED TO 0363
N3-020360	9.3	LS OUT	Re. LS on Access dependent services and features for GERAN lu mode	CN3								APPROVED
N3-020361	9.5	LS OUT	LS on "IPv6 update of stage 3 specifications"	CN3								APPROVED
N3-020362	9.3	LS OUT	LS on "Mapping rules for authorisation"	CN3								APPROVED
N3-020363	9.3	[CR]	QoS Parameter mapping	Ericsson	e2e QoS			B	29.208	Rel-5	1.0.0	AGREED
N3-020364	9.3	TS	Clean version of 29.207	Lucent	e2e QoS				29.207	Rel-5		provided by e-mail
N3-020365	9.3	TS	Clean version of 29.208	Lucent	e2e QoS				29.208	Rel-5		provided by e-mail

**History:**

<b>Document History</b>	
12 <sup>th</sup> April 2002	Draft v0.0.2 distributed to CN3 chairman for comments
23 <sup>rd</sup> April 2002	<p>DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list.</p> <p>Comments, if any, to be addressed to:</p> <p style="padding-left: 40px;">David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secretariat Tel :+33 (0)4 92 94 42 78 e-mail: <i> david.boswarthick@ETSI.fr</i></p> <p>A deadline of 2 weeks was given to the CN3 delegates for e-mail comments on the draft report.</p> <p style="text-align: center;"><b>Comments back by 3<sup>rd</sup> May 2002</b></p>
4 <sup>th</sup> May 2002	Updated DRAFT v2.0.0 placed to the server
13 <sup>th</sup> May 2002	N3-020416 [v2.0.0] approved and placed to the server as v3.0.0.