3GPP TSG-CN WG3
Meeting #14, Sophia, France
14th – 16th November 2000

NP-000602
N3-000xxx
DRAFT

Third Generation Partnership Project

DRAFT MEETING REPORT v1.1.0

3GPP TSG-CN3
Meeting # 14

Sophia, France
14th – 16th October 2000

Hosted by ETSI

Chairman: **Norbert Klehn, Siemens AG.** norbert.klehn@icn.siemens.de

Vice Chairman: **Achim Braun, Alcatel.** achim.braun@alcatel.de

MCC Support: **David Boswarthick, ETSI MCC.** david.boswarthick@etsi.fr

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1   Opening of the Meeting

The 14th CN3 meeting took place from 14th - 16th November at the Einstein building, ETSI headquarters Sophia, France. David Boswarthick welcomed the CN3 delegates to Sophia on behalf of ETSI, and explained the logistical details for the rest of the week.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:30 on Tuesday 14th November. He set the objectives for the meetings as follows:

- **Corrections and cleanup for R99**

- **Start work on Release 2000**

2   Approval of the Agenda

N3-000551:   **CN3#14 Draft Meeting Agenda.** Presented by the CN3 Chairman.

Content: Contains the draft Agenda for CN3#14 Meeting.

DISCUSSION: Norbert introduced the agenda document and outlined the schedule of the meeting for the rest of the week. It was agreed that due to the nature of the documents presented for discussion, there would not be parallel Packet and Circuit sessions.

David, MCC suggested addition of QoS Agenda Item to encapture any future work. This was added as item 8.9, moving *'Other work items'* to 8.10.

David also suggested moving the CRs for the Removal of BS30 NT from agenda item 7.1 to 8.10, as this topic relates only to R00. This was agreed.

RESULT: The Agenda and schedule of work was **APPROVED.**

3   Registration of documents

The meeting documents are available on the 3GPP server at:
ftp://ftp.3gpp.org/TSG_CN/WG3_interworking/TSGN3_14_(Sophia)/Docs/

N3-000553:   **Allocation of documents to Agenda items.** Presented by the CN3 Chairman.

DISCUSSION: Norbert created another document with the allocation of documents to agenda items.

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

4   Reports

4.1 CN3#13 Meeting Report, (Stuttgart)

The meeting report can be found at:
ftp://ftp.3gpp.org/TSG_CN/WG3_interworking/TSGN3_13_(Stuttgart)/Report/

N3-000552:   **CN3#13 Draft Meeting Report.** Presented by David Boswarthick, MCC.

CONTENT: Contains the draft meeting report for the CN3#13 held in Stuttgart, October 2000.

The CN3#13 report was completed and distributed at the end of the meeting. There was the usual 2-week deadline for comments by e-mail, and these comments have been integrated in the revised meeting report presented in this document.

DISCUSSION: Following the e-mail discussion concerning the LS to SA1/RAN3 it was agreed to withdraw this LS to these groups. A note was added to the report to reflect this change.

Also the of missing contact details of the Fujitsu delegate were added.

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

⇓ REVISED ⇓

N3-000581:   **Rev CN3#13 Draft Meeting Report.** Presented by David Boswarthick, MCC.

RESULT: The document was **AGREED.**

Review of action items from CN3#13:

ACTION NUMBER	OWNER	DESCRIPTION	TARGET DATE	STATUS
N3_12_06	NOKIA	Nokia will provide a draft CR on 32kbit/s UDI/RDI multimedia to N1 and present the LS at the next CN1 meeting (N1 meeting to be held next week.)	by CN3#14	OPEN
N3_13_01	NEC	NEC will ensure the issue of SMWOP is raised and discussed at the next SA1 meeting, in order to ensure a solution within CN3.	by CN3#14	DONE
N3_13_02	MCC	David will update the rapporteur entries in the specifications database and re-present this document to future CN3 meetings.	by CN3#14	DONE
N3_13_03	ALL	Norbert stated it is important to have a CN3 rapporteur for TS 07.60 and TS 27.060, and invites delegates to consider this for the next meeting.	Ongoing	OPEN
N3_13_04	MCC	David will feed back the changes to the 3GPP project plan to Alain Sultan	by CN3#14	DONE
N3_13_05	Rapporteurs	Rapporteurs are tasked to check their specifications, and provide the relevant CRs to remove BS 30 NT for the next CN3 meeting.	by CN3#14	DONE
N3_13_06	ALL	Delegates will study the impact of handover for the 56kbit/s bit transparent and V.110 in a separate brainstorming session .	Ongoing	DONE
N3_13_07	ALL	Delegates are asked to study the Global Text Telephony, Stage 1 description document.	Ongoing	OPEN
N3_13_08	Rapporteur and supporting companies	The rapporteur and supporting companies are requested to provide contributions for the WI, Interworking between IM CN subsystem and CS networks	by CN3#14	OPEN
N3_13_09	ALL	Delegates are asked to study the WID for "Interworking between IM CN Subsystem and IP Networks" and also the Nokia document and propose some solutions to the CN3#14 meeting	by CN3#14	OPEN

4.2 Reports from Other Groups

No contributions to this agenda item.

4.3 IPR Disclosures

No contributions to this agenda item.

5 Liaisons from other groups

Status Check on LSs sent from Previous CN3 Meetings

T-DOC	Subject	To	Cc	Attachment	Sent	Status
N3-000486	Updated Iu UP CR on selection of PDU Type 1 for NT CS data services	R3	S4	N3-000424, N3-000425, N3-000426, N3-000427	07/09/00	Seen by RAN3 Not yet seen by SA4
N3-000487	Multimedia 32 kbit/s UDI/RDI in GSM/EDGE	N1		N3-000452, N3-000453, N3-000474, N3-000455 N3-000456, GP-000384.	07/09/00	Seen by CN1
N3-000488	DHCP lease renewal	T2		N3-000401, N3-000411, N3-000457	07/09/00	Not yet seen by T2
N3-000542	Problems in understanding with SA1's CRs to 22.001 for SMWOP	SA1	-	none	20/10/00	Not yet seen by SA1
N3-000545	Response LS on Service Modification without pre-notification	SA1, SA2	-	S2-001518	20/10/00	Not yet seen by SA1 and SA2
N3-000546	Request for requesting clarification on QoS work distribution	SA2	-	N3-000512	20/10/00	Not yet seen by SA2
N3-000549	Intersystem handover problem	CN1, CN4	-	N3-000497	20/10/00	Not yet seen by CN1 and CN4
N3-000550	Synchronous BS in UMTS	SA1	RAN3		20/10/00	WITHDRAWN

N3-000567:	**LS from CN1 SIP Ad-hoc providing comments to WID on "Interworking between IM CN subsystem and IP networks".** Presented by Norbert.
CONTENT:	Following their review of the WID, CN1 have the following comments:-
	SIP protocol enhancements are agreed to be the responsibility of CN1 whereas the requirements at e.g. Mm reference point are within the CN3 remit. Thus any SIP protocol impacts at Mm reference point need to be done in co-operation between CN1 and CN3.
	The ME will be impacted due to end-to-end QoS negotiation.
DISCUSSION:	CN3 agreed with the comments from CN1 and will update the WID accordingly.
RESULT:	The document was **DISCUSSED.**

N3-000568:	**LS from CN1 SIP Ad-hoc on RTCP responsibility.** Presented by Norbert.
CONTENT:	CN1 understands that any protocol specification work associated with RTCP, which is part of the RTP RFC 1889 will be part of the work to be performed by CN3 under the agreed work split. CN1 therefore do not plan on performing required specification work associated with RTCP and will leave this to CN3. Any interactions between SIP and RTCP will require joint specification work between CN1 and CN3.
DISCUSSION:	*Clarification* RTCP [Real-Time Control Protocol] is the control protocol designed to work in conjunction with RTP
	Erik agreed that CN3 is the correct place for this work to be carried out.
	It was decided to send a LS to CN1 stating that CN3 agree with this allocation of work, and also requesting a joint session to discuss this during the January 2001 meeting. This response LS can be found in **N3-000582** under agenda 8.6.
RESULT:	The document was **DISCUSSED.**

N3-000573:	**LS from TSG_TrFO/TFO Harmonisation Workshop.** Presented by Norbert.
CONTENT:	This Liaison Statement proposes additional requirements for the Mc interface specification (29.232) for the Iu UP package, identified during the TrFO workshop #5, held in Stockholm.
DISCUSSION:	CN4 (TrFO) ask CN3 to consider the Iu UP when they specify the Nb interface.
	Note: This LS relates to several other documents in Agenda 8.7.
RESULT:	The document was **NOTED.**

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6 Administrative issues

6.1 Project Co-ordination.

N3-000554:	**3GPP Project Plan.** Presented by David, MCC.
CONTENT:	Contains the latest version of the 3GPP project plan, as approved at SA#9 plenary.
DISCUSSION:	The project plan was discussed, and the Work Items where CN3 have responsibilities were verified on-line.
	David provided some clarifications on the meaning of some of the field names. However, the meaning of MCC approved was not known. David will check.
	The work Item "IWF at CN border" is missing and should be inserted at same level as transcoder at the edge [between lines 303/304].
	Some delegates raised concerns on the lack of clarity on the content of rel-4 and rel-5. David explained that the contents of these releases are for the moment not defined.
	In the project plan the "Release" field has been established only on the basis of the estimated end dates by the simple following algorithm:

End date before or equals end of March 2001 => Release 4

End date after end of March 2001 => Release 5

The actual content of each Release is subject of further discussions.

It was mentioned that this can cause a potential problem of introducing functionalities into Rel-4 specifications, that are then move back to Rel-5, meaning that these functionalities have to be removed from the v4 specs and introduced into the Rel-5 specifications – This will cause double work. However to date, no R00 CRs for new functionalities have been presented in CN3, so the problem is theoretical.

△	**[ACTION N3_14_01] - David will feed back the changes to the 3GPP project plan to Alain Sultan**

RESULT: The document was **DISCUSSED**

6.2 Terms of Reference / Future Work

No input to this Agenda item

6.3 Next meetings, allocation of hosts

Meeting	Date	Location, Host	Comments
TSG-CN#10	4th – 15th Dec 2000	Bangkok, Uniysis	
TSG-CN3#15	15th – 19th Jan 2001	China, Ericsson	Co-located with other CN groups
TSG-CN3#16	26th Feb–2nd Mar 2001	**NO HOST**	Possible Co-located
TSG-CN#11	14th –16th Mar 2001	Palm Springs, NA Friends	
TSG-CN3#17	14th – 18th May 2001	USA, NA Friends	Co-located
TSG-CN#12	13th – 15th June 2001	Stockholm, Ericsson	
TSG-CN3#18	9th – 13th July 2001	Germany, Manesmann	
TSG-CN#10	19th – 21st Sept 2001	China, Lucent	
TSG-CN3#19	15th – 19th Oct 2001	Possibly UK, Vodafone & BT	
TSG-CN3#20	26th – 30th Nov 2001	**NO HOST**	Very close to CN plenary
TSG-CN#14	12th – 14th Dec 2001	Japan, TTC	

7 Release 99 and earlier:

7.1 CS Bearers

N3-000559: **CR to 27001 v360 for corrections.** Presented by Erik, of Ericsson.

CONTENT: Contains (CAT F) CR that corrects some inconsistencies in 27.001 for Rel 99.

DISCUSSION: The CR adds 9,6 kbit/s for GSM and changes SA from NA to S, as well as correcting clarifying the notes to tables B.1.3.1.6 and B.1.3.1.7.

UIMI and WAIUR needed because octet 6g in TCH/F32 for transparent services

WAIUR 9.6kbit/s is to be replace by NA

Also addition of "Not Applicable" default values in table B.5

Erik should check the other diagrams for similar inconsistencies

Also David requested some text for the section of the CR template 'Consequences if not approved'. Erik provided some text that was inserted in the revised CR.

Norbert suggested a more explicit title *"Correction of inconsistencies between tables".*

There was also a parallel discussion on the best tool for presenting figures in our specifications. Rune suggested using MS EXCEL to replace the line draw figures. Also it was mentioned that we could possibly remove the diagrams and replace them with tables showing them all possible combinations for allowed parameters.

Rune presented several examples of figures created by MS EXCEL, and it was agreed that this was a preferable alternative to the present Linedraw.

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

⇓ **REVISED** ⇓

N3-000583: **Rev. CR to 27001 v360 for corrections.** Presented by Erik, of Ericsson.

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

⇓ **REVISED** ⇓

N3-000590: **Rev. CR to 27001 v360 for Handover for 56 kbit/s.** Presented by Erik, of Ericsson.

CONTENT: Contains a Corrective (CAT F) CR the corrects some inconsistencies related to synchronous transparent bearer services at 56 kbit/s causing particular handover problems in 27.001 for Rel 99.

DISCUSSION: Missing 'NOT' in the text.

Section B.1.3.1.1 has a problem with the ≤ symbol. This will be replaced by text or <= signs.

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

⇓ **REVISED** ⇓

N3-000608: **Rev. CR to 27001 v360 for Handover for 56 kbit/s.** Presented by Erik, of Ericsson.

DISCUSSION: Due to the complexity of the tables 4 paper copies of the CR were requested. These were produced by the MCC and examined during the meeting.

Discussion raised up concerning the links between the values. Some links are not necessary. Also the usage of notes is inconsistent. The chapter have got new headlines. Due to this the references to these chapters in the whole spec have to be checked. Note 1 in B.1.3.1.3 – B.1.3.1.5 to be corrected: replace "by" by "if".

The revised version included changes to the notes to correct wording and inconsistencies

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

⇓ **REVISED** ⇓

N3-000612: **Rev. CR to 27001 v360 for Handover for 56 kbit/s.** Presented by Erik, of Ericsson.

DISCUSSION: It was decided to provide this CR by E-mail (next Monday), and have it on e-mail approval until Friday 24th Nov.

> △ **[ACTION N3_14_02] – Erik and/or Rune to circulate the CR(s) to 27.001 by Email for approval (by Monday 20th Nov).**

RESULT: The document was **PLACED ON E-MAIL APPROVAL AND COMMENTS MADE – REVISED TO 0615.**

⇓ **REVISED** ⇓

N3-000615: **Rev. CR to 27001 v360 for Handover for 56 kbit/s.** Presented by Erik, of Ericsson.

RESULT: The document was **AGREED [by E-mail]**

N3-000560: **CR to 27001 v410 for corrections.** Presented by Rune, of Ericsson.

CONTENT: Contains Corrective (CAT F) CR that corrects some inconsistencies in 27.001 for Rel-4.

DISCUSSION: The same changes that have been made to 0559 apply to 0560.

Should be a CAT A (corresponding CR)

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

⇓ **REVISED** ⇓

N3-000584: **Rev. CR to 27001 v410 for Handover for 56 kbit/s.** Presented by Rune, of Ericsson.

DISCUSSION Incorporates the comments made to document N3-000590.

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

⇓ **REVISED** ⇓

N3-000609: **Rev. CR to 27001 v410 for Handover for 56 kbit/s.**

DISCUSSION Incorporates the comments made to document N3-000590.

As the original R99 CR is on E-mail approval, this corresponding Rel-4 CR is also on e-mail approval until 24/11/00

RESULT: The document was **PLACED ON E-MAIL APPROVAL AND COMMENTS MADE – REVISED TO 0614.**

⇓ **REVISED** ⇓

N3-000614: **Rev. CR to 27001 v410 for Handover for 56 kbit/s.**

RESULT: The document was **AGREED [by E-mail]**

N3-000595: **CR to 04.21 v820 for Handover for 56 kbit/s.** Presented by Juha, of Nokia.

CONTENT: Contains a Corrective (CAT F) CR corrects some inconsistencies related to synchronous transparent bearer services at 56 kbit/s causing particular handover problems in 04.21 for Rel 99.

RESULT: The document was **AGREED.**

N3-000556: **Discussion Document on Bearer Services in 2G and 3G.** Presented by Norbert, of Siemens.

CONTENT: Presents some issues concerning inconsistent information on support of circuit switched bearer services in the specifications 3GPP 22.002, 23.910 and 27.001. It was mentioned that 48 kbit/s for transparent services cannot be provided because of missing appropriate Radio Access Bearer (RAB). Further, some issues related to handover between 3G and 2G systems in the case of 56 kbit/s were discussed. After the meeting it was found that there are also some inconsistencies related to 28.8 kbit/s transparent.

At the moment it is very difficult to find out what services are defined. The main reason for this is the unclear presentation of the information. Siemens think that CN3 should discuss this issue because this group has the technical expertise. Results should be communicated to SA1.

DISCUSSION: Propose a restructuring in order to group BS 20 and BS 30.

Addition of Note 1 for 28.8kbit/s and 48kbit/s in 3.1.4

Some discussions on table 3.1.5 BS 30 in 'Bit transparent', It was not certain what this term was supposed to indicate. It was agreed to combine 3.1.5 into 3.1.4 and delete the term BIT TRANSPARENT from all CN3 specifications.

It was agreed to split the tables into Transparent and Non-transparent

Norbert proposes a study of the CN3 specifications and add the details from this document to the LS to SA1 **[N3-000580]**. CN3 will propose a reorganisation and the revisions to the content of the tables.

Rune offers to take over from Erik and act as rapporteur for the 27 series.

⚠	**[ACTION N3_14_03] - David will update the rapporteur entries in the specification database.**

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

⇓ REVISED ⇓

N3-000585: **Rev. Discussion Document on Bearer Services in 2G and 3G.** Presented by Norbert, of Siemens.

RESULT: The document was **NOTED.**

N3-000580: **LS to SA1 and RAN3 on Synchronous BS in UMTS.** Presented by Norbert.

CONTENT: Contains the original LS generated in the CN3#13 meeting that was approved, and later withdrawn before being sent to SA1 and RAN3. It is presented to this meeting for further discussion and approval.

DISCUSSION: Erik provided some comments to the figure in the LS. He suggested the removal of the reference to the 56Kbit/s RAB.

It became clear that the reason for the difficulties for 3G-2G-handover do not come from the two services in 22.002: 56 kbit UDI with V.110 and 56 kbit RDI bit transparent. It comes from the different possibilities in GSM to provide such a service. It was agreed to group these possibilities into two groups: One group contains the configurations that need an IWF another one that does not need the IWF. The 3G solution belongs to the latter one. Handover within the same group is possible. Handover between different groups cannot be supported (also for 2G-2G-handover).

The LS includes the a description of the restrictions for handover, and SA1 will be asked to agree to these restrictions.

These restrictions will result in CRs to 23.910 **[N3-000588]**, 29.001 **[N3-000589]**, 27.001 **[N3-000590].**

The title was changed: "synchronous" was replaced by "circuit switched" in order to reflect the wider scope.

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

⇓ REVISED ⇓

N3-000586: **Rev LS to SA1 and RAN3 on CS BS in UMTS.** Presented by Norbert.

DISCUSSION: Erik made comments that in 27.001, V.110 is defined as being only relevant for UDI, not RDI. Norbert added some text to the LS to explain this.

It was further requested to remove the 28.8 kbit/s transparent service for digital interworking in UMTS because here higher user rates are possible. For audio this is the highest user rate that can be provided and should remain.

Also some minor spelling changes were made to the text.

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

⇓ **REVISED** ⇓

N3-000607: **Rev LS to SA1 and RAN3 on Synchronous BS in UMTS.** Presented by Norbert.

DISCUSSION: Numbering error was corrected on line, as well as the telephone number of the contact.

RESULT: The document was **APPROVED and sent on-line during the meeting.**

N3-000588: **CR to 23.910 v320 on Handover for 56kbit/s.** Presented by Achim of Alcatel.

CONTENT: Contains a Corrective (CAT F) CR to R99 of 23.910

RESULT: The document was **AGREED.**

⇓ **RELATED DOCUMENT** ⇓

N3-000604: **Rev. CR to 23.910 v400 on Handover for 56kbit/s.** Presented by Achim of Alcatel.

CONTENTS: Contains the corresponding [CAT A] CR to Rel-4 of 23.910.

RESULT: The document was **AGREED.**

N3-000589: **CR to 29.007 v360 on Handover for 56kbit/s.** Presented by Achim of Alcatel.

CONTENT: Contains a Corrective (CAT F) CR to R99 of 29.007

DISCUSSION: Juha: The IWF is always used in the non-transparent case, so we need to state clearly that the new sub-clause applies to the transparent case.

Juha also said that 2 x TCH/F28.8 is not required here.

Additional specification affected 04.21 – added to Cover sheet.

Norbert: we need to mention how the UMTS configuration is handled. The present text only mentions the GSM case.

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

⇓ **REVISED** ⇓

N3-000602: **Rev. CR to 29.007 v360 on Handover for 56kbit/s.** Presented by Achim of Alcatel.

RESULT: The document was **AGREED.**

⇓ **RELATED DOCUMENT** ⇓

N3-000603: **Rev. CR to 29.007 v400 on Handover for 56kbit/s.** Presented by Achim of Alcatel.

CONTENTS: Contains the corresponding [CAT A] CR to Rel-4 of 29.007.

RESULT: The document was **AGREED.**

7.2 Multimedia

No Input to this agenda item

7.3 GPRS

No Input to this agenda item

7.4 Technical Enhancements & Improvements (TEI)

N3-000569: **CR to 27001 v360 Correction for 32 kbit/s UDI/RD.** Presented by Juha, of Nokia.

CONTENT:	Contains a Corrective (CAT F) CR that corrects the missing FNUR = 32 kbit/s in 27.001 for Rel 99.
DISCUSSION:	Slight modification to add .0 to the value 32 making 32.0
	Remove indication that the CR impacts the Radio Access Network
	Change WI to CS bearers
RESULT:	The document was **REVISED to 0591.**

⇓ **REVISED** ⇓

N3-000591:	**Rev. CR to 27001 v360 Correction for 32 kbit/s UDI/RD.** Presented by Juha, of Nokia.
RESULT:	The document was **AGREED.**

⇓ **RELATED DOCUMENT** ⇓

N3-000570:	**CR to 27001 v410 Correction for 32 kbit/s UDI/RD.** Presented by Juha, of Nokia.
CONTENT:	Contains a Corresponding [CAT A] CR that corrects the missing FNUR = 32 kbit/s in 27.001 for Rel-4.
DISCUSSION:	Same comment as to N3-000569 apply.
RESULT:	The document was **REVISED to 0592.**

⇓ **REVISED** ⇓

N3-000592:	**Rev. CR to 27001 v410 Correction for 32 kbit/s UDI/RD.** Presented by Juha, of Nokia.
RESULT:	The document was **AGREED.**

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8 Release 4 and Release 5:

8.1 CS Multimedia Swap and Fallback [CSM-SWAP]
No input to this agenda item in this meeting.

➢ **CN3 consider their work to this Work Item as 0% Complete**

8.2 RT Facsimile [FAX-RT]
No input to this agenda item in this meeting.

➢ **CN3 consider their work to this Work Item as 100% Complete**

8.3 Service Modification without pre-notification [BMWPN-SMWOP]

➢ **CN3 consider their work to this Work Item as 0% Complete**

N3-000578:	**Proposed working methods for Service Modification.** Presented by Masahiko, of NEC.
CONTENT:	The document concludes that contributes will NOT be made to the WI "service modification without pre-notification". However, the modification between speech and multimedia is still required, and it is proposed that the modification is performed by pre-notified Swap and fall back not by SMWOP.
DISCUSSION:	Erik asked if NEC and NTT DoCoMo have raised this in this weeks SA1 meeting. Masahiko said that this issue is not planned to be raised in this weeks Plenary. David proposed that NTT and NEC make a contribution directly to the SA1 meeting.
	Norbert clarified that CN3 could not send a LS to SA1 requesting them to delete existing requirements. It is up to the supporting companies to request this directly from SA1,

and only when CN3 have received instructions from SA1 will the delete the CN3 work item SMWOP.

| ⚠ | **[ACTION N3_14_04] - Masahiko will ensure a contribution on this subject is made to this weeks SA1 meeting, and will report back to CN3.** |

RESULT: The document was **DISCUSSED.**

N3-000579: **Discussion document on Modification procedure between speech and multimedia.** Presented by Masahiko, of NEC.

CONTENT: This contribution provides the modification procedures between speech and multimedia.

DISCUSSION: Achim asked if the CODEC LIST mentioned in the set-up message had been specified.

Achim does this contribution also assume that there is always BICC between the MSCs?

Norbert: is it possible to deduce the bearer capability from the codec list?

Achim: remark to 2.1.2, BS61 Alternate speech /data no longer exists – is it the intention of this proposal to re-introduce it?

What is APM (in section 2.1.3)

Masahiko asked for some time and will reply either by e-mail or at the next CN3 meeting.

Erik suggested that a similar contribution be made to CN4 (by NTT DoCoMo or NEC), where the relevant expertise is concentrated.

Norbert summarized that there are a lot of open issues on this topic, and CN3 cannot adopt a position before CN4 have examined the protocol issues.

RESULT: The document was **DISCUSSED.**

N3-000587: **Discussion document on IWF at the network border for service modification.** Presented by Masahiko, of NEC.

CONTENT: This contribution clarifies the realisation method of "IWF at the network border" and analyses if this method can be used for service modification between speech and multimedia.

DISCUSSION: This issue needs to be solved in CN4 as they are responsible for the protocols in the CN. Further, before CN3 can study the issue "IWF at the network border" this WI has to be approved.

RESULT: The document was **NOTED.**

8.4 Global Text telephony [GTT-IW]
No input to this agenda item in this meeting.

Rune of Ericsson mentioned, that the favoured solution in 3GPP is based on a special codec that transmits speech and data. In this case the MSC/IWF is not impacted. So, there is nothing required from CN3 (at least at the moment)

➢ **CN3 consider their work to this Work Item as 0% Complete**

8.5 Interworking between IM Subsystems and CS [IMS-CCR-IWCS]
No input to this agenda item in this meeting.

➢ **CN3 consider their work to this Work Item as 0% Complete**

8.6 Interworking between IM Subsystems with IP [IMS-CCR-IWIP]

➢ **CN3 consider their work to this Work Item as 0% Complete**

N3-000576:	**Proposed work item description for interworking between IM CN subsystem and IP networks.** Presented by Norbert.
CONTENT:	This WID may be superseded by the future QoS Work Item.
DISCUSSION:	Norbert asked if any company is planning to produce a WID for QoS. No delegate replied to this question, so we can only assume that for the moment no company is planning to contribute to this WID in CN3.
	It was noted that the original WID rapporteur [Kevin Bye of BT] has not been present in the last 3 CN3 meetings. Norbert will send a mail to Kevin requesting some response.
	The future of this work item is dependant on the final content of the QoS WI [not yet know], and CN3 will await the response to the LS already sent to SA2 on this issue [SA2 meet this week in Japan]
RESULT:	The document was **POSPONED.**

N3-000582:	**LS to CN1 SIP Ad-hoc on RTCP responsibility.** Presented by Erik, of Ericsson.
DISCUSSION:	Some minor spelling and grammar changes were made.
RESULT:	The document was **REVISED to 0610.**

⇓ REVISED ⇓

N3-000610:	**Rev. LS to CN1 SIP Ad-hoc on RTCP responsibility.** Presented by Erik, of Ericsson.
RESULT:	The document was **APPROVED.**

8.7 Bearer Independent Circuit-switched Core Network [CSSPLIT-CC]

➢ **CN3 consider their work to this Work Item as 20% Complete**

N3-000563:	**DRAFT Core Network Nb User Plane Protocols.** Presented by Erik, of Ericsson.
CONTENT:	Contains the draft specification for Core Network Nb User Plane Protocols [3GPP TS 29.abc v010] for Release 4.
	The document specifies the protocols used between Media Gateways in the Core Network. These protocols are referenced herein for short as the Nb UP. The Nb UP is for a large part identical to the Iu UP (see 3GPP TS 25.415), and specified such as to take into account a decision by the 3GPP TSG-CN to use "the Iu UP" for transmission in the Core Network.
DISCUSSION:	MCC was requested to provide a TS number. After some discussions it was decided to use **3GPP TS 29.415**, (so it is associated to 25.415 the UTRAN Iu specification).
	It was mentioned that other specifications for this work items are 23.205 [stage 2] and 29.323 for the Stage 3 for Mc.
	Norbert invited the delegates to study this document, and provide contributions to the next CN3 meeting.
	Norbert stressed that this work is for Release 4, and should be complete for the March 2001 Plenary. This means that we have only 2 CN3 meetings before the March 2001 Plenary.
	Because of the limit in time it was agree to discuss this issue on the CN3 email exploder.

⚠	**[ACTION N3_14_05] - Erik will initiate an e-mail discussion on 3GPP TS 29.415**

Erik requested a dedicated meeting to discuss this issue. David suggested a joint session in the January meeting. It was also mentioned that CN4 will have an Ad Hoc meeting to discuss this in the coming weeks.

At the January meeting we will decide if we will co-locate the February meeting, and also the requirement for a BICC ad hoc in week 7.

Erik asked who would be willing to be rapporteur for this specification. David Sanders volunteered. It was agreed that David Sanders of Vodafone will be the rapporteur for this specification

Vodafone and Ericsson are very keen to get this completed for Release 4.

⚠	**[ACTION N3_14_06] - Norbert will arrange a joint CN4 session in the Jan meeting to discuss BICC**

RESULT: The document was **NOTED.**

N3-000574: **Discussion Paper on Framing of CS user plane in IP CN.** Presented by Erik, of Ericsson.

CONTENT: Iu has been identified as the preferred framing protocol over the Nb interface. With introduction of the separation of call control and bearer control and the support of different transport technologies such as IP and AAL2, it needs to be discussed how Iu UP is supported on IP transport. This contribution suggests a user plane stack to be used for circuit switches services in an IP core network.

DISCUSSION: Achim mentioned that it is too early to take a decision on the 3 alternatives presented in this document, and requested this decision be postponed to the January meeting.

As delegates have not yet had time to study this document and the TS 29.415 on Nb User Plane Protocols, is was decided to postpone the decision to CN3#15.

Initial thoughts seems to be that RTP over UTP may be the preferred solution. However this is to be further studied.

RESULT: The document was **NOTED.**

N3-000575: **Discussion Paper on Usage of Nb UP over RTP for CS services in the CN.** Presented by Erik, of Ericsson.

CONTENT: The document expands upon the usage of Nb UP over RTP [the 1st alternative in document N3-000574]. It presents the protocol stack and proposes the use of the following two services:

1. The dynamic payload identification of RTP and

2. The RTP sequence numbers.

Other services of RTP shall not be used on the Nb interface.

DISCUSSION: Paul [Nortel] asked if the same protocol stack is used for transparent and support mode. Erik replied that the support mode is not considered as it is intended to use only support mode. Delegates are invited to consider this as additional information on this work item.

RESULT: The document was **NOTED.**

N3-000593: **LS to CN4 and RAN3 on proposed enhancements to the Mc Spec.** Presented by Erik, of Ericsson.

CONTENT: Contains the LS to CN4 and RAN3 on the proposed enhancements to the Mc Spec

DISCUSSION: Paul [Nortel], mentioned that we have not agreed working assumption number 4 [For R4, Nb UP shall be specified over AAL2 /ATM and RTP/UDP/IP]and we have not yet discussed number 5 [Nb UP shall follow the same version numbering as Iu UP].

Norbert suggested that the wording be changed in order to reflect this, stating the above comments have been proposed, but not yet agreed within CN3. It was decided to remove working assumption 4.

Erik suggested we add the rapporteur of the CN3 specification [David Sanders, Vodafone].

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

⇓ **REVISED** ⇓

N3-000611:   **Rev. LS to CN3 and RAN3 on proposed enhancements to the Mc Spec.** Presented by Erik, of Ericsson.

DISCUSSION: The attachment and complete TS number was added.

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

⇓ **REVISED** ⇓

N3-000613:   **Rev. LS to CN3 and RAN3 on proposed enhancements to the Mc Spec.** Presented by Erik, of Ericsson.

RESULT: The document was **APPROVED.**

8.8 IWF at the CN Border [Not in P-Plan]

➢ **CN3 consider their work to this Work Item as 0% Complete**

N3-000577:   **Proposed work item description for IWF at the Edge.** Presented by Norbert CN3 chairman.

CONTENT: CN3 was asked to provide this WID. It has been presented to TSG-CN#9 and rejected due to lack of supporting companies and rapporteur for the work item.

DISCUSSION: Masahiko stated that NTT DoCoMo and NEC will support this work item. Therefore the requirement of 4 supporting companies is met [Alcatel, Ericsson, NEC and NTT DoCoMo].

There were no volunteers to act as the work item rapporteur.

Norbert stated that that this WID would not be presented to the CN plenary without a rapporteur. David added that if the WID is not approved in CN#9 meeting, the work will be delayed. CN3 should consider the importance of the work and the eventual possibility of deleting this work item.

It was also noted that this work item is missing from the project plan.

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

⇓ **REVISED** ⇓

N3-000594:   **Rev. Proposed work item description for IWF at the Edge.** Presented by Norbert CN3 chairman.

CONTENT: Includes the 4 supporting companies missing from 0577. A WI rapporteur is still missing. Therefore, it will not be sent to CN plenary.

RESULT: The document was **NOTED.**

8.9 Ensure reliable QoS for PS domain (Master)

8.9.1 Mapping of end to end QoS parameters on each interface [QoSPS-MAPEND]

➢ **CN3 consider their work to this Work Item as 0% Complete**

No contributions to this agenda item.

8.9.2 Interactions between external mechanisms and UMTS mechanisms for QoS negotiation and reservation [-]

➢ **CN3 consider their work to this Work Item as 0% Complete**

No contributions to this agenda item.

8.9.3 Evolution of maximum SDU size [QoSPS-MAXSDU]

➢ **CN3 consider their work to this Work Item as 0% Complete**

No contributions to this agenda item.

8.10 Other Work Items

N3-000564:	**CR to 29.007 v400 for the removal of BS 30 NT.** Presented by Norbert, of Siemens.
CONTENT:	The document contains the Corrective (CAT F) CR to remove Bearer Service 30 Non Transparent from Rel-4 3GPP TS 29.007.
DISCUSSION:	Erik questioned the different methods used to indicate that parameters are not supported in the various tables. Norbert replied that this is how it was done before. "Not supported" is used when there is a corresponding value in the ISDN column. If there is no corresponding value a note is added at the end of the table.
	Rune questioned the entry "see above" in one of the tables. Norbert modified this entry to "any of the above values". Addition of a general note in table 7A to include mapping.
	Erik questioned the section on V.120 protocol parameters, and more specifically the usage of the bit transparent mode of V.120 for transparent services. It was answered that V.120 rate adaptation is only applicable in its sensitive modes for NT services in GSM and UMTS.
RESULT:	The document was **REVISED to 0596.**

⇓ Revised ⇓

N3-000596:	**Rev. CR to 29.007 v400 for the removal of BS 30 NT.** Presented by Norbert, of Siemens.
NOTE:	While preparing the CR for the Plenary it was agreed to change the CAT from F (Essential Correction) to C (Functional modification of feature), in order to align with the original SA1 CR.
RESULT:	The document was **AGREED.**

N3-000557:	**CR to 27.001 v410 for the removal of BS 30 NT.** Presented by Rune, of Ericsson.
CONTENT:	Contains a Corrective (CAT F) CR that removes BS 30 NT from 27.001 for Rel-4. Also a number of editorial changes to the specification that tidy up references and terminology.
DISCUSSION:	Achim commented on the references to X.75. We need to do a clean up and remove these references to X.75 as well as X.32. Erik proposed deleting these references as opposed to adding a Note for each entry. A clean-up of 24.008 would also be required by CN1 in order to reflect this.
	Agreed to Remove the references to those parameters that are no longer required (e.g. X.75, X.32) throughout the document.
	Achim also suggested a clean up of B.2.3.1 However the usage of parameters is unclear in this clause and needs to be studied further.
	Norbert questioned the addition of the term Asynchronous throughout Section 6. This change removes the GSM Fax NT and as a consequence 03.46 is not longer applicable for Rel-4 onwards. It was unclear to CN3 whether the removal of BS 30 NT

by SA1 means also the removal of GSM Fax NT. So, it was decided to ask SA1. See N3-000599.

Norbert commented on the Ref to 04.21 for Rel-4 CR, this should be 44.021. David said this would be updated when that specification is created.

Norbert has some concerns with some changes of "will" to 'shall', that change the meaning of some sentences. Examples throughout section 8.2.2.1. "Shall" must only be used on elements relating to the TAF (i.e. the scope if this spec) but not for the description of a component's behaviour that is matter of other standards (like V.110). Rune agreed to examine this and correct the changes in the revised CR.

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

⇓ REVISED ⇓

N3-000597: **Rev. CR to 27.001 v410 for the removal of BS 30 NT.** Presented by Rune.

DISCUSSION: Removal of the value packet from the parameter TM.

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

⇓ REVISED ⇓

N3-000605: **Rev. CR to 27.001 v410 for the removal of BS 30 NT.** Presented by Rune.

NOTE: While preparing the CR for the Plenary it was agreed to change the CAT from F (Essential Correction) to C (Functional modification of feature), in order to align with the original SA1 CR.

RESULT: The document was **AGREED.**

N3-000558: **CR to 27.003 v350 Rel4 for the removal of BS 30 NT.** Presented by Rune, of Ericsson.

CONTENT: Contains a Corrective (CAT F) CR that removes BS 30 NT from 27.003.

DISCUSSION: David suggested removing the Void Sub-clauses, and having simply a top level void on section 5 and annex A. Later in the meeting during the discussion of document N3-000565 it was clarified that annex A (L2RBOP) should be deleted until the open question related to GSM Fax NT is solved.

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

⇓ REVISED ⇓

N3-000598: **Rev. CR to 27.003 v350 Rel4 for the removal of BS 30 NT.** Presented by Rune.

DISCUSSION: The CR History should not be shown as deleted.

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

⇓ REVISED ⇓

N3-000606: **Rev. CR to 27.003 v350 Rel4 for the removal of BS 30 NT.** Presented by Rune.

NOTE: While preparing the CR for the Plenary it was agreed to change the CAT from F (Essential Correction) to C (Functional modification of feature), in order to align with the original SA1 CR.

RESULT: The document was **AGREED.**

N3-000565: **CR to 03.10 v820 for the removal of BS 30 NT.** Presented by Achim of Alcatel.

CONTENT: Contains a Corrective (CAT F) CR that removes BS 30 NT from 03.10 for Rel-4. Note this will result in 43.010 v400.

DISCUSSION: Erik asked if there is a reference to Fax NT in 03.10. Figure 7 shows transparent (model 6) and non-transparent (model 7). If we remove L2RBOP we can also remove this model 7. It was mentioned that NT fax is mentioned in SA1 specification 22.003, and we need to liase with them requesting the removal. This LS is provided in **N3-000599**.

Requirement to remove the figures relating to NT Fax. This will be done one we have confirmation about the removal of FAX NT from on SA1.

Erik also questioned the note "for further study" in model 7. Achim proposed not to touch any figure related to GSM Fax NT because specifications related to this services have not been updated and maintained for a long time.

Achim suggested that we re-introduce the text relating to L2RBOP into 27.003 in order to provide a consistent set of CRs on Removal of BS 30. Once we have agreement from SA1 on the removal of Fax NT, we can provide a set of CRs to remove this (Fax NT) from our specifications. This approach was agreed by CN3.

Some modifications were also made to the cover sheet to include the impacts on Core Network and the reason for change.

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

⇓ REVISED ⇓

N3-000600:   **Rev. CR to 03.10 v820 for the removal of BS 30 NT.** Presented by Achim of Alcatel.

NOTE: While preparing the CR for the Plenary it was agreed to change the CAT from F (Essential Correction) to C (Functional modification of feature), in order to align with the original SA1 CR.

RESULT: The document was **AGREED.**

N3-000571:   **CR to 04.21 v820 for the removal of BS 30 NT.** Presented by Juha of Nokia.

CONTENT: Contains a Corrective (CAT F) CR that removes BS 30 NT from 04.21 for Rel-4. Note this will result in 42.021 v400.

DISCUSSION: Remove the parts of the specification that are not modified by the CR. Also there were some minor changes to the cover sheet.

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

⇓ REVISED ⇓

N3-000601:   **Rev. CR to 04.21 v820 for the removal of BS 30 NT.** Presented by Juha of Nokia.

NOTE: While preparing the CR for the Plenary it was agreed to change the CAT from F (Essential Correction) to C (Functional modification of feature), in order to align with the original SA1 CR.

RESULT: The document was **AGREED.**

N3-000572:   **CR to 08.20 v820 for the removal of BS 30 NT.** Presented by Juha of Nokia.

CONTENT: Contains a Corrective (CAT F) CR that removes BS 30 NT from 08.20.

DISCUSSION: It was subsequently decided that no changes required in 08.20.

RESULT: The document was **WITHDRAWN.**

N3-000599:   **LS to SA1 on Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases.** Presented by Erik of Ericsson.

CONTENT: Contains the LS to SA1 in which CN3 asks SA1 to consider removing NT fax from GSM for Rel-4 and onwards due to the removal of BS 30 NT.

RESULT: The document was **APPROVED.**

9 Output of CN3#14 Meeting

9.1 Work Items

None.

9.2 Liaison Statements

The following Liaison Statements were agreed to be sent by CN3:

TDoc #	Tdoc Title	LS to	LS cc	Attachment	Sent
N3-000599	Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases	SA1	-	none	15/11/00
N3-000607	CS Bearers	SA1	RAN3	none	15/11/00
N3-000610	RTCP responsibility	CN1	-	none	16/11/00
N3-000613	Proposed enhancements to Mc specification	CN4, RAN3		N3-000563	16/11/00

9.3 Change Requests

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

TDoc #	Spec	Rel	CR #	Tdoc Title	CAT	C_Ver	N_Ver	WI
N3-000588	23.910	R99	018	Handover for 56kbit/s	F	3.2.0	3.3.0	CS Bearers
N3-000591	27.001	R99	041	Correction for 32 kbit/s UDI/RDI	F	3.6.0	3.7.0	T.E.I
N3-000592	27.001	Rel-4	042	Correction for 32 kbit/s UDI/RDI	A	4.1.0	4.2.0	CORRECT
N3-000595	04.21	R99	A021	Handover for 56kbit/s	F	8.2.0	8.3.0	CS Bearers
N3-000596	29.007	Rel-4	033	Removal of BS 30 NT	C	4.0.0	4.1.0	CS Bearers
N3-000600	03.10	Rel-4	A014	Removal of BS 30 NT	C	8.2.0	4.0.0	CS Bearers
N3-000601	04.21	Rel-4	A022	Removal of BS 30 NT	C	8.2.0	4.0.0	CS Bearers
N3-000602	29.007	R99	031	Handover for 56kbit/s	F	3.6.0	3.7.0	CS Bearers
N3-000603	29.007	Rel-4	032	Handover for 56kbit/s	A	4.0.0	4.1.0	CORRECT
N3-000604	23.910	Rel-4	019	Handover for 56kbit/s	A	4.0.1	4.1.0	CORRECT
N3-000605	27.001	Rel-4	043	Removal of BS 30 NT	C	4.1.0	4.2.0	CS Bearers
N3-000606	27.003	Rel-4	007	Removal of BS 30 NT	C	3.5.0	4.0.0	CS Bearers
N3-000614	27.001	Rel-4		Handover for 56kbit/s	A	4.1.0	4.2.0	CORRECT
N3-000614	27.001	R99		Handover for 56kbit/s	F	3.6.0	3.7.0	CS Bearers

9.4 New TRs / TSs

None.

9.5 Other

None.

9.6 Summary of CN3#14 Action Points

ACTION NUMBER	OWNER	DESCRIPTION	TARGET DATE	STATUS
N3_12_06	NOKIA	Nokia will provide a draft CR on 32kbit/s UDI/RDI multimedia to N1 and present the LS at the next CN1 meeting (N1 meeting to be held next week.)	by CN3#14	OPEN
N3_13_03	ALL	Norbert stated it is important to have a CN3 rapporteur for TS 07.60 and TS 27.060, and invites delegates to consider this for the next meeting.	Ongoing	OPEN
N3_13_07	ALL	Delegates are asked to study the Global Text Telephony, Stage 1 description document.	Ongoing	OPEN
N3_13_08	Rapporteur and supporting companies	The rapporteur and supporting companies are requested to provide contributions for the WI, Interworking between IM CN subsystem and CS networks	by CN3#14	OPEN
N3_13_09	ALL	Delegates are asked to study the WID for "Interworking between IM CN Subsystem and IP Networks" and also the Nokia document and propose some solutions to the CN3#14 meeting	by CN3#14	OPEN
N3_14_01	DAVID, MCC	Feed back the changes to the 3GPP project plan to Alain Sultan	21/11/00	DONE
N3_14_02	Erik, Rune	circulate the CR(s) to 27.001 by Email for approval	20/11/00	OPEN
N3_14_03	DAVID, MCC	Update rapporteur entries in the specification database	N3_14_03	DONE
N3_14_04	Masahiko	Ensure a contribution on the future of SMWOP is made to this weeks SA1 meeting, report back to CN3	CN3#15	OPEN
N3_14_05	Erik	Initiate an e-mail discussion on 3GPP TS 29.415	N3_14_03	OPEN
N3_14_06	Norbert	Arrange a joint CN4 session in the Jan meeting to discuss BICC	CN3#15	OPEN

10 Any other business

There was no other business raised at this point.

11. Close of meeting

Norbert closed the 14th CN3 meeting on Thursday 16th November at 12:30, and thanked the host for the excellent meeting location and arrangements.
He also thanked the CN3 delegates and David the CN3 MCC support for their active participation in the meeting.

Annex A: <Packet Switched Sub-Working Group Report>

There were no separate CS/PS SWG meetings, and therefore there is no PS SWG Report for CN3#14.

Annex B: List of CN3 Meeting Participants

The following delegates attended the CN3#14 meeting.

First Name	Last Name	Company	Status	Telephone	email
David	Boswarthick	ETSI	3GPPORG_REP - ETSI	+33 4 92 48 42 72	david.boswarthick@etsi.fr
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Annex C: List of documents

Details can also be found in the file ***N3_14_Tdoc_list.xls*** on the meeting server.

TDoc #	Type	Tdoc Title	Spec	Rel	C_Ver	Status
N3-000551	AGENDA	Agenda for SN3#14 Meeting				AGREED
N3-000552	REPORT	Report from CN3#13 (Stuttgart)				REVISED to 0581
N3-000553	AGENDA	Allocation of tdocs to Agenda Items				AGREED
N3-000554	PROJECT PLAN	3GPP Project Plan				DISCUSSED
N3-000555	CR	Removal of BS 30 NT	29.007	Rel-4	4.0.0	WITHDRAWN
N3-000556	DISCUSSION DOC	Discussion Paper on Bearer Services in 2G and 3G				REVISED to 0585
N3-000557	CR	CR to 3GPP TS27.001 due to deletion on BS30 NT	27.001	Rel-4	4.1.0	REVISED to 0597
N3-000558	CR	CR to 3GPP TS27.001 due to deletion on BS30 NT	27.003	Rel-4	3.5.0	REVISED to 0598
N3-000559	CR	CR to 3GPP TS27.001 Correction of inconsistencies	27.001	R99	3.6.0	REVISED to 0583
N3-000560	CR	CR to 3GPP TS27.001 Correction of inconsistencies	27.001	Rel-4	4.1.0	REVISED to 0584
N3-000561	CR	Deletion on BS30 NT	08.20	Rel-4	8.2.0	WITHDRAWN
N3-000562	DISCUSSION DOC	Framing of CS user plane in IP CN				WITHDRAWN
N3-000563	TS	DRAFT Media Gateway to Media Gateway Protocols				NOTED
N3-000564	CR	Removal of BS 30 NT	29.007	Rel-4	4.0.0	REVISED to 0596
N3-000565	CR	Deletion on BS30 NT	08.20	Rel-4	8.2.0	REVISED to 0600
N3-000566	DISCUSSION DOC	Usage of Iu UP over RTP for CS services in the CN				WITHDRAWN
N3-000567	LS IN	Comments to WI Description on "Interworking between IM CN subsystem and IP networks				DISCUSSED
N3-000568	LS IN	LS on RTCP responsibility				DISCUSSED
N3-000569	CR	Correction for 32 kbit/s UDI/RDI	27.001	R99	3.6.0	REVISED to 0591
N3-000570	CR	Correction for 32 kbit/s UDI/RDI	27.001	Rel-4	4.1.0	REVISED to 0592
N3-000571	CR	Removal of BS30 NT	04.21	Rel-4	8.2.0	REVISED to 0601
N3-000572	CR	Removal of BS30 NT	08.20	Rel-4	8.2.0	WITHDRAWN
N3-000573	LS IN	Proposed enhancements to Mc specification				NOTED
N3-000574	DISCUSSION DOC	Framing of CS user plane in IP CN for Nb				NOTED
N3-000575	DISCUSSION DOC	Usage of Nb UP over RTP for CS services in the CN				NOTED
N3-000576	WID	Revised proposed work item description for interworking between IM CN subsystem and IP networks				POSTPONED
N3-000577	WID	proposed work item description for IWF at the Edge				REVISED to 0594
N3-000578	DISCUSSION DOC	Proposed working method for Service Modification		Rel-4		DISCUSSED

TDoc #	Type	Tdoc Title	Spec	Rel	C_Ver	Status
N3-000579	DISCUSSION DOC	Modification procedure between speech and multimedia		Rel-4		DISCUSSED
N3-000580	LS OUT	N3-000550 LS to SA1 and RAN3 on CS Bearers				REVISED to 0586
N3-000581	REPORT	Report from CN3#13 (Stuttgart)				APPROVED
N3-000582	LS OUT	LS to CN1 on RTCP responsibility				REVISED to 0610
N3-000583	CR	CR to 3GPP TS27.001 Correction of inconsistencies	27.001	R99	3.6.0	MERGED into 0590
N3-000584	CR	CR to 3GPP TS27.001 Correction of inconsistencies	27.001	Rel-4	4.1.0	MERGED into 0590
N3-000585	DISCUSSION DOC	Discussion Paper on Bearer Services in 2G and 3G				NOTED
N3-000586	LS OUT	N3-000550 LS to SA1 and RAN3 on CS Bearers				REVISED to 0607
N3-000587	Discussion	IWF at the network border for service modification				NOTED
N3-000588	CR	Handover for 56kbit/s	23.910	R99	3.2.0	AGREED
N3-000589	CR	Handover for 56kbit/s	29.007	R99	3.6.0	REVISED to 0602
N3-000590	CR	Handover for 56kbit/s	27.001	R99	3.6.0	REVISED to 0608
N3-000591	CR	Correction for 32 kbit/s UDI/RDI	27.001	R99	3.6.0	AGREED
N3-000592	CR	Correction for 32 kbit/s UDI/RDI	27.001	Rel-4	4.1.0	AGREED
N3-000593	LS OUT	LS to CN4 and RAN3 summarizing proposed enhancements to Mc specification				REVISED to 0611
N3-000594	WID	Proposed work item description for IWF at the Edge				NOTED
N3-000595	CR	Handover for 56kbit/s	04.21	R99	8.2.0	AGREED
N3-000596	CR	Removal of BS 30 NT	29.007	Rel-4	4.0.0	AGREED
N3-000597	CR	CR to 3GPP TS27.001 due to deletion on BS30 NT	27.001	Rel-4	4.1.0	REVISED to 0605
N3-000598	CR	CR to 3GPP TS27.001 due to deletion on BS30 NT	27.003	Rel-4	3.5.0	REVISED to 0606
N3-000599	LS OUT	Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases				APPROVED
N3-000600	CR	Removal of BS 30 NT	03.10	Rel-4	8.2.0	AGREED
N3-000601	CR	Removal of BS 30 NT	04.21	Rel-4	8.2.0	AGREED
N3-000602	CR	Handover for 56kbit/s	29.007	R99	3.6.0	AGREED
N3-000603	CR	Handover for 56kbit/s	29.007	Rel-4	4.0.0	AGREED
N3-000604	CR	Handover for 56kbit/s	23.910	Rel-4	4.0.1	AGREED
N3-000605	CR	Removal of BS 30 NT	27.001	Rel-4	4.1.0	AGREED
N3-000606	CR	Removal of BS 30 NT	27.003	Rel-4	3.5.0	AGREED
N3-000607	LS OUT	N3-000550 LS to SA1 and RAN3 on CS Bearers				APPROVED
N3-000608	CR	Handover for 56kbit/s	27.001	R99	3.6.0	REVISED to 0611

TDoc #	Type	Tdoc Title	Spec	Rel	C_Ver	Status
N3-000609	CR	Handover for 56kbit/s	27.001	Rel-4	4.1.0	REVISED 0614 [e-mail]
N3-000610	LS OUT	LS to CN1 on RTCP responsibility				APPROVED
N3-000611	LS OUT	LS to CN4 and RAN3 summarizing proposed enhancements to Mc specification				REVISED to 0613
N3-000612	CR	Handover for 56kbit/s	27.001	R99	3.6.0	REVISED 0614 [e-mail]
N3-000613	LS OUT	LS to CN4 and RAN3 summarizing proposed enhancements to Mc				APPROVED
N3-000614	CR	Handover for 56kbit/s	27.001	Rel-4	4.1.0	AGREED [e-mail]
N3-000615	CR	Handover for 56kbit/s	27.001	R99	3.6.0	AGREED [e-mail]

Annex D: Access to 3GPP documents

This document briefly outlines some of the more important locations of information that all TSG_CN WG3 members should be aware of.

3GPP email lists:

To receive information about CN3 issues, all delegates and other interested parties <u>MUST</u> register for email list **3GPP_TSG_CN_WG3**. This can be done by sending an email to LISTSERV@LIST.3GPP.ORG with the following single line of text in the body of the message:

```
subscribe  3GPP_TSG_CN_WG3  YourFirstName  YourLastName
```

There are many other 3GPP email lists that may also be of interest. Go to http://www.3gpp.org/e-mail.htm for further information.

If at any time you would like to confirm which lists you are currently a member of, just sent a message to LISTSERV@LIST.3GPP.ORG with the following single line of text in the body of the message:

```
QUERY *
```

Email archives:

All 3GPP lists have an associated <u>archive of every email sent</u> via that list. Information on how to access the archive is sent to you when you subscribe to the list. This means that if you have temporary email problems, or have just joined the group, you can check to see if you have missed any messages. The easiest was to search the archive is first to request a list of all messages sent to the particular group you are interested in. For example, to get a list of messages sent via the *3GPP_TSG_CN_WG3* list between 1st Jan 1999 and the current date, send the following command to LISTSERV@LIST.3GPP.ORG:

```
search * in 3GPP_TSG_CN_WG3 since Jan 1999
```

As well as a list of emails sent, you receive instructions about how to retrieve the emails.

Some 3GPP archives are also available via a new user-friendly WWW interface. For CN3, go to:
http://list.3gpp.org/archives/3gpp_tsg_cn_wg3.html

Meeting calendar:

The central location for all information relating to the 3GPP meeting calendar and the corresponding meeting invitations can be found at: http://www.3gpp.org/Meetings.htm

Documents on the server:

All documents submitted to CN3 meetings will be made available on the 3GPP document server in a directory (related to the number of the meeting) under: ftp://ftp.3gpp.org/TSG_CN/WG3/
e.g. the documents for CN3 meeting #8 can be found at:
ftp://ftp.3gpp.org/TSG_CN/WG3_interworking/TSGN3_08/Tdocs/

History

Document History	
17th November 2000	Draft v1.0.0 distributed to CN3 chairman for comments
20th November 2000	DRAFT v1.1.0 dispatched by e-mail exploder to the CN3 list. Comments, if any, to be addressed to: David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secretariat Tel :+33 (0)4 92 94 42 78 e-mail: *david.boswarthick@ETSI.fr* A deadline of 1 week was given to the CN3 delegates for e-mail comments on the draft report. The reduced delay was due to the plenary being held the following week. **Comments back by 27th November 2000**
27th November 2000	Updated DRAFT v2.0.0 placed to the server
14th January 2001	N3-000xyz[v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#14 meeting. Updated to N3-000xyz and placed to the server as v3.0.0.