

3GPP TSG_CN#6
Meeting #6, Nice, France
13th - 15th December 1999

NP-99421

3GPP TSG-CN3 / ETSI SMG3 WPD
Meeting #6
Sophia Antipolis, France
18-22 October 1999

N3-99375

Chairman: Norbert Klehn, Siemens AG
Source: David Boswarthick (DAB), MCC

Title: Report of CN3 #6 Meeting

1. Opening the Meeting

The 6th CN3 meeting took place from 18th to 22nd of October in Sophia Antipolis hosted by ETSI. The meeting was opened by the Chairman.

David Boswarthick welcomed the delegates to Sophia on behalf of ETSI and explained the logistical details.

2. Approval of the Agenda

N3-99246: Meeting Agenda. Presented by the CN3 chairman.

DISCUSSION: Presentation of the meeting agenda for the week. Planned split into two meetings (PS and CS) from Tuesday to Thursday and regroup on Friday. Also a joint session with S1 was planned for Thursday 21st.

RESULT: REVISED to NP-99323

N3-99323: Rev. Meeting Agenda. Presented by the CN3 chairman.

RESULT: AGREED

3. Registration of the Documents

The available documents were registered and assigned to agenda items as shown in the draft agenda (**N3-99323**).

N3-99323: Meeting Agenda and allocation of Tdocs to agenda items. Presented by the CN3 chairman.

RESULT: AGREED

4. Reports

N3-99241 TSG CN1 + CN3 JOINT MEETING REPORT, Makuhari Japan

RESULT NOTED

N3-99242 Report from the last meeting - CN3#5

DISCUSSION The report was provided at the end of the CN3#5 meeting, and sent out for comments immediately after. These comments were incorporated in the revised document (N3-99247), presented at the beginning of the Friday 22nd session.

RESULT REVISED to N3-99247

N3-99247 **Revised Report from the last meeting - CN3#5**
RESULT **CN3#5 Meeting report AGREED**

N3-99262 **Draft Report from the TSG_CN Plenary#5**
DISCUSSION Provided for information. No Comments
RESULT **NOTED**

N3-99263 **N3 Status Report as presented to the TSG_CN Plenary #5**
DISCUSSION Provided for Information. No Comments
RESULT **NOTED**

N3-99360 **Summary Report from TSG_SA Plenary #5.** Presented by David B. MCC.
DISCUSSION Presents some of the main decisions taken at the SA Plenary meeting #5.
RESULT **NOTED**

5. Liaison Statements Received

The following Liaison Statements were received into the CN3 meeting:

N3-99282 **Response to LS on: User-to-User Signalling (UUS) Enhancements**
DISCUSSION Already seen.
RESULT **WITHDRAWN**

N3-99283 **Liaison statement to SA2, SA4, N3 on the lu User Plane (UP) specification status in RAN WG3**
DISCUSSION Already seen.
RESULT **WITHDRAWN**

N3-99284 **LS from T2: Definitions for usage of Multi-mode/system terminals**
DISCUSSION Already seen.
RESULT **WITHDRAWN**

N3-99285 **LS from N1 - Response to "LS about Synchronisation**
DISCUSSION Beyond the scope of N3.
RESULT **NOTED**

N3-99286 **LS from N1 to T2 - Re. to LS on Service/Baseline Implementation Capabilities**
DISCUSSION There is a requirement for N3 to review the information contained in the tables
It was noted that the features listed in the tables have no impact on CN3s' work
Table 2. is missing secondary PDP context activation procedure
RESULT **RESPONSE LS to N1 in N3-99374**

N3-99374 **Re. LS to N1 Service/Baseline Implementation Capabilities.** Presented by Peter Mason, BT.
DISCUSSION A response LS was sent to N1 with suggested modifications to the tables that reflect the considered opinions of N3
RESULT **AGREED to be sent**

N3-99287 **LS from S2 - Response liaison on RAB requirements for CS data and architecture for CS data services**
RESULT **WITHDRAWN – replaced by N3-99368**

N3-99368 **Rev. LS from S2 - Response liaison on RAB requirements for CS data and architecture for CS data services**
DISCUSSION S2 confirmed the assumptions made by N3. No concerns raised up related to the architecture for CS data provided by N3. S2 propose that standardization of the mapping of BC-IE onto bearer attributes shall be done by TSG CN WG1 and WG3.
RESULT **NOTED**

N3-99288 **LS from S2 - on UMTS and RAB parameter value ranges and granularity**
DISCUSSION N3 have already provided QoS information to S2. However there is now additional information which we may provide.
RESULT **NOTED**

N3-99289 **LS from S2 on the lu UP protocol framing of NAS user data**
DISCUSSION Relates to NTT DoCoMo proposal to R3 (**N3-99299**).
RESULT **NOTED**

N3-99299 **Background of S2-99999 and action to the LS.** Presented by NTT DoCoMo
DISCUSSION Covered in the discussion of N3-99304 in section 7.4
RESULT **NOTED**

N3-99290 **LS from T2 – Re. LS TSGR2#7(99)D25 on “Definitions for usage of Multi-mode/system terminals”**
DISCUSSION
RESULT **POSTPONED to PS sub-group to discuss**

N3-99291 **LS from T2, to T3 on Rejection on GPRS ATD modification**
DISCUSSION
RESULT **POSTPONED to PS sub-group**

N3-99292 **LS from R3 – Re. LS Requirements on lu User Plane for CS data**
DISCUSSION N3s’ comments were incorporates in TS 25.415 version 2.0.0 attached to this LS.
RESULT **NOTED**

N3-99293 **LS from SS Ad Hoc on Service/Baseline Implementation Capabilities**
RESULT **NOTED**

N3-99294 **LS from R2 on “Definitions for usage of Multi-mode/system terminals”**
DISCUSSION Relates to N3-99291
RESULT **POSTPONED TO PS SWG**

N3-99295 **LS from N1 on freezing of R97 and R98**
DISCUSSION Relates to a joint N1+N2 statement (**N3-99234**)
RESULT **POSTPONED to SWGs**

N3-99296 Duplicate of N3-99285
RESULT WITHDRAWN
N3-99297 DUPLICATE
RESULT WITHDRAWN

N3-99298 LS on addition of APN parameter in Network-requested PDP context activation procedure
DISCUSSION Already seen
RESULT WITHDRAWN

6. Administrative Issues

6.1 Project Co-ordination relating to the IGCs

- Graham had provided feedback to the PS IGC detailing which specifications are implicated.
- This needs to be done by Erik, on the CS IGC. We should include 29.007, 29.061, 27.070, 27.001
- Achim has updated QoS project plan with the following specs. Suggest inclusion of 27.001

Note: Planned S2 meeting on 'BS and QoS' next week awaiting input from this N3 meeting

N3-99278 Project Plan for packet and circuit architecture
DISCUSSION Presented for information
RESULT NOTED

6.2 Maintenance of Specifications

N3-99266 Specifications within TSG_CN, Presented by DAB
DISCUSSION 24.021 to be removed from 3G to remain in 2G only.
27.060 v3.1.0 and 29.061 v3.1.0 incorrect.
03.44 to be transferred to T2
03.45 remains in GSM only, under the responsibility of N3
Request to N3 from CN to clarify the role of 09.01 and 09.09.
N3 found that these specifications are no more required and can be deleted.
RESULT DISCUSSED

6.3 Information

N3-99264 Duplicates the info contained in N3-99267
RESULT WITHDRAWN

N3-99268 Duplicates the info contained in N3-99267
RESULT WITHDRAWN

N3-99267 List Of CN Work Items
DISCUSSION N3 does not have responsibility of W.I 'Multimedia'

Circuit switched bearers in UMTS: Priority 1, we can limit the scope of this WI for R99 if we do not support 2G/3G handover.

RESULT DISCUSSED

N3-99279 TR 25.990 v2.0.0 on Vocabulary

DISCUSSION N3 are requested to provide input to this document

RESULT POSTPONED, Input expected to the next meeting (as N3-99400)

6.4 Next Meetings, Allocation of Hosts

6.4.1 CN3 meeting schedule for the remainder of 1999:

Meeting	Date	Host, Location
TSG-CN3#7	29 Nov –03 Dec, 1999	ETSI, Sophia Antipolis, France

6.4.2 CN3 meeting schedule for 2000

N3-99265 Proposed TSG_CN3 meeting dates. Presented by Norbert

DISCUSSION Guideline - N3 should keep at least one week before and 2 weeks after a TSG_CN plenary meeting

Currently investigating the possibility of moving the May meeting to 22-26th (in USA)

Move Jan meeting to 31st Jan - 4th Feb

March meeting moved to 10th – 14th April

Attempt to move May meeting 22-26th May (see above, clarification needed in this week)

Move June to 3-7th July

RESULT REVISED document to be presented N3-99376

N3-99376 TSG_CN3 meeting dates. Presented by Norbert

DISCUSSION Move May meeting 22-26th May

RESULT AGREED

ACTION: DAB to update meetings calendar with revised dates

7.Circuit Switched Work Items

7.1 GSM Maintenance

7.1.1 RLP

N3-99254 RLP REMAP problem. Presented by Juha, Nokia.

DISCUSSION The REMAP problem was discussed in the September meeting (**NP-99160**). The existence of the problem was acknowledged at this time. However, doubts were expressed about the operation of the proposed solution when the radio signal fades during the REMAP procedure. Consequently, the handling of the problem was deferred. This document introduces three possible solutions to the REMAP problem.

1) Acknowledgement by MS

As mentioned in the "problems" section, the MS can be obliged to send an empty I+S as a REMAP frame acknowledgement to the network. In case of a failure the MS will

automatically have to retransmit the I+S and, consequently the IWF will receive the final acknowledgement.

2) Timer in IWF

A simple solution to the problem is to let the IWF leave the REMAP synchronization state after the expiration of a timer started at the sending of the first REMAP frame.

3) Acknowledgement request by IWF

This is almost like the originally-meant-to-be operation. The difference is that IWF does not stay waiting for an acknowledgement but instead requests an acknowledgement from MS.

Related proposal from Alcatel in **NP-99252**.

Agreed to use this solution with the addition of Achims' polling mechanism

RESULT

Corrective CRs required 24.022 and R97 and R98 (in N3-99336)

N3-99252

CR to 04.22 - Correction to REMAP procedure in RLP. Presented by Achim, Alcatel.

DISCUSSION

Alternative solution that employs a polling mechanism to resolve the REMAP problem. Proposes a longer timer to that proposed by Nokia.

RESULT

Combined in single solution (in N3-99336)

N3-99255

CR to 04.22 R99 - Correction to REMAP procedure in RLP.

RESULT

Combined in single solution (in N3-99336)

N3-99336

Combined CR to 04.22 - Correction to REMAP procedure in RLP.

DISCUSSION

Changes to CR sheet and body text. New CR Sheet to be used, CR to be made to 24.022, and corrective CRs are required to R96, R97, R98. Content agreed.

RESULT

REVISED to N3-99361 (R96), N3-99362 (R97), N3-99363 (R98), N3-99364 (R99).

N3-99300

CR to 24.022 - Handling of DTX in RLP. Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION

Made to old version (should be 3.1.0). Previously presented and now incorporates GSM elements. Comment requires addition of STM and ATM to abbreviations. Modify to have an additional sub-section on DTX independent of the existing section 5.6.

Note: A revised document should be made on v3.1.0 of 24.022

RESULT

REVISED to N3-99337

N3-99337

Rev. CR to 24.022 - Handling of DTX in RLP. Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION

CR is now based on version 3.1.0, difference between 3.1.0 and 3.0.0 does not impact the text needed for the CR

RESULT

Propose to merge this with the text in the related CR against 24.022 in N3-99316

7.1.2 Call Handling

N3-99253

SCOPE OF ETR018, Q.767

RESULT

WITHDRAWN

N3-99280

CR to 29.007 - Clarification of the VMSC Behaviour in case of interworking. Presented by Jens, Mannesmann.

DISCUSSION

It may occur that the services indicated by the GSM-BC received via the VLR and the ISDN-BC received in the IAM differ. This is because there may be transit networks that change an ISDN-BC indicating data to an ISDN-BC indicating speech. In the discussion it was clarified that the GSM-Bc received via the VLR should have preference in those cases.

The text of the CR needs improvements.
RESULT **REVISED to N3-99342. Also R97/R98 provided in NP-99343 and NP-99344**

N3-99342 **Rev. CR to 29.007**
DISCUSSION Minor changes to CR sheet
RESULT **REVISED to N3-99346**

N3-99346 **Rev CR to 29.007**
RESULT **APPROVED**

N3-99343 **CR to 09.07 R97**
DISCUSSION Minor changes to CR sheet
RESULT **REVISED to N3-99347**

N3-99347 **Rev CR to 09.07**
DISCUSSION CR against older versions not required, because only editorial
RESULT **WITHDRAWN**

N3-99344 **CR to 09.07 R98**
DISCUSSION Minor changes to CR sheet
RESULT **REVISED to N3-99348**

N3-99348 **Rev CR to 09.07**
DISCUSSION CR against older versions not required, because only editorial
RESULT **WITHDRAWN**

7.2 Frame Tunnelling Mode

FTM Work Item STATUS: There remains an outstanding CR on 27.007. This will be input to TSG_T2 by Ericsson.

N3-99273 **CR to 27.001 - Introduction of FTM.** Presented by Erik, Ericsson
DISCUSSION **Note: Made to incorrect version (should be 3.2.0)**
Resolves open issues to a previously presented CR. Some typing errors. Includes references to ISO document – Comment: Should this not be ETSI – then ITU – last choice ISO?
RESULT **Technical content AGREED, to be presented at CN3#7 against correct version (N3-99340)**

N3-99274 **CR to 29.007 - Introduction of FTM.** Presented by Erik, Ericsson
DISCUSSION **Note: Made to wrong version (should be 3.2.0).**
Some modifications to text.
RESULT **To be presented at CN3#7 against correct version (N3-99341)**

7.3 Facsimile

N3-99248 **03.46 validation report.** Presented by Achim, Alcatel.

DISCUSSION NTT DoCoMo document **N3-99365** contains comments to Alcatels' input document. 03.46 provides fax non-transparent transmission in GSM networks. Concerns raised by NTT DoCoMo on the effectiveness of 03.46 in the presence of 'long burst'. This is to be checked by the Alcatel.

Comments on this document are given in **N3-99365**.

RESULT **DISCUSSED**

N3-99249 **Comments on NTT Proposal for support of FAX3 in the non-transparent.** Presented by Achim, Alcatel.

DISCUSSION **Point 1:** Why is it proposed to introduce a completely new protocol handling the FAX3 application?

Response: This is an updated service based on experience in the Japanese system, as is the case for the GSM FAX3 solution.

Point 2:

In Alcatels' opinion that it is not necessary to modify the handling of BCS-data.

Response: NTT DoCoMo have experience problems with the control, and suggest that their solution reduces re-transmission errors.

23.046 the CR has yet to be approved and the specification is still GSM only.

Point 3:

Is it correct that during a FAX connection that due to autonomous DCS/TCF handling the message speed of the FAX-transmitter and the FAX-receiver is different?

If yes, it is possible that the transmission rate at the originator is n-times higher than the rate at the receiver. This will lead to problems during the post-message phase.

Response: It is true it is possible that the receiving side have a lower speed than the sending side. However NTT DoCoMo have dealt with this problem in their proposed solution. The receiving IWF must buffer the data to correct this difference. DoCoMo use flow control to adjust timing between send and receive sides. *More clarification is required on flow control.*

Point 4:

What happens when the 'TCF Error Detection' indication is delayed due to transmission errors?

Response: NTT DoCoMo presented 2 cases which will be checked by Alcatel.

Was the timing analysed for MS-MS calls?

Response: DoCoMo considered a delay between a fixed and MS of 20ms based on the current system. It is assumed that in UMTS this delay would be shorter thus this is not a concern.

For a Mobile to Mobile call path MS – RLP - IWF - fixed link – IWF - RLP – MS, 20ms is not sufficient. In Alcatel validation report a RTT of 460ms is used. NTT wish to study this delay further.

Considering the requirement of CRs for R99 on this subject Alcatel suggest a Facsimile Ad Hoc meeting in Germany before CN3#7.

The scope of the meeting is to find an agreed solution. If this is not possible two CRs will be presented with common support documentation so that a decision can be requested from CN Plenary.

NTT DoCoMo thanks Alcatel for the proposal, and will confirm their participation once they have checked availability with their company. It is possible this may be a videoconference. They will confirm the arrangements by Email to N3 list.

RESULT DISCUSSED

N3-99301 CLARIFICATION OF N3-99113.

RESULT WITHDRAWN and REPLACED by N3-99365

N3-99365 CLARIFICATION OF N3-99113. Presented by Ryoko Okigi, NTT DoCoMo.

DISCUSSION This document provides comments to the Alcatel document **N3-99248**.

Authors of the document seek guidance on the appropriateness of their technical choices.

Comments on the document

Point 1: Accepted

Point 2: Not accepted.

Alcatel are to examine if long bursts are considered in the GEM model.

NTT DoCoMo are to provide arguments why this model is not applicable in UMTS.

Alcatel request simulations or measurements that prove that NTT DoCoMo solution provides improvements over that presently provided in 03.46. NTT DoCoMo will consider this request although these tests will require some time. This implies that this issue may not be resolved in R99.

Point 3: Confirmed by Alcatel that 03.46 is running with lower speeds. **Note:** In GSM two fax services were developed, and validation reports showed both services were running but they were not compatible. Around 1992 it was decided by the market to use only the transparent facsimile service. There were no technical reasons for the non-implementation of non-transparent facsimile services.

If 03.46 is shown not to work in UMTS, the NTT DoCoMo solution would be better adapted to this environment.

Point 4: Based on the assumption that layer 2 provides an error free transmission, the proposed fax solution is independent of the layer 2 protocol used.

RESULT DISCUSSED

N3-99302 Clarification of N3-99167 CR for Merging of 23.046 and T.38. Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION Relates to CR on **N3-99303**.

Suggestions from Erik to use L2RCOP as opposed to L2RBOP independent on which solution is used. This has that advantage of converting to asynchronous before passing to the fax adapter.

Alcatel and DoCoMo request more time to study this.

RESULT DISCUSSED

N3-99303 CR to 23.046 for Merging of 23.046 and T.38. Presented by NTT DoCoMo.

DISCUSSION This represents the combination of several previous CRs.

Concerns on removing protocol stack from the document, it should remain and preferably with inclusion of L2RCOP. DoCoMo request time to consider this.

Additional CR is required to change of terminology. A draft will be circulated on the Email exploder.

Agreement was reached on the merger of T.38 and 23.046.

RESULT DISCUSSED

7.4 Circuit Switched Bearers in UMTS

7.4.1 Architectural and Conceptual Issues

N3-99250 **TR 23.907 v1.4.0**

DISCUSSION Provided for information. This TR has now been replaced by 23.907v3.0.0.

RESULT **NOTED**

N3-99304 **Frame alignment of lu UP in Transparent data.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION Study required for transparent mode or support mode. This is discussed in **N3-99321** Dependent on the needed for Time Alignment. This is under discussion in R3.

RESULT **POSTPONED until TSG_N3#7 Meeting**

N3-99321 **Use of lu UP protocol by transparent services.** Presented by Norbert, Siemens.

DISCUSSION The document proposes that transparent mode of the lu UP protocol be used for both non-transparent AND transparent data services.

Comments: Time alignment is required for transparent data, hence support mode is still preferable for transparent data services.

Although support mode overheads are important, this is not a major concern when using transparent data.

HAGIWARA San gave a brief presentation on the whiteboard showing the requirement for Time Alignment that is provided in support mode.

Comments that this problem does not exist for transparent data that does have 20ms frames, but non-framed bit sequences between MS and MSC. Hence no need for matching frame structure for transparent data.

Delegates requested more time to consider the issue.

RESULT **POSTPONED until TSG_N3#7 Meeting**

N3-99366 **Mode of luUP applied to Transparent data.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION This document proposed that *Support* mode of lu UP should be applied to Transparent data.

Comment: We may compare the Transparent mode of operation with the following:- Individual digital networks do not use the same master clock, and when you cross network borders there is a requirement for a buffer to make up for differences in these clock.

DoCoMo suggest that these timing differences should be exceptional

Probability of the loss of data on IU interface is low compared to the loss of data on radio interface.

DoCoMo are open to other suggestions. No Agreement was met, and it is proposed that this be studied further for presentation to the next N3 meeting.

RESULT **POSTPONED to N3#7**

N3-99367 **Circuit Switched Data Concept Paper.** Presented by Erik, Ericsson.

DISCUSSION Will be provided in the correct TR format for the next CN3 meeting.

RESULT **NOTED**

7.4.2 Update of References

N3-99271 **Change of references towards ETS 300 102-1 into references towards Q.931.**

Presented by Erik, Ericsson.

DISCUSSION This document proposes to replace the references for HLC and LLC to ETS 300 102-1 by references to Q.931.

CONCLUSION: No problems were identified when replacing ETS 300 102-1 by references to Q.931. It was emphasised that Q.931 should be referenced rather than ETS 300 403 because code points needed for multimedia are already included in Q.931 (05/98) but not in ETS 300 403 (04/98).

RESULT **DISCUSSED**

N3-99318 **CR to 29.007 - UPDATE OF ISDN REFERENCE.** Presented by Norbert, Siemens AG.

DISCUSSION **Will be updated to reference Q.931 – to be presented to next N3 meeting**

Concerns raised by the Japanese delegates on the referencing of 3GPP specifications to ETS. It was explained that each SDO is responsible for mapping of 3GPP specifications to the deliverables of that SDO.

RESULT **POSTPONED to TSG_N3#7**

7.4.3 Initial Change Requests for UMTS

N3-99272 **CR to 27.001 - Introduction of UMTS.** Presented by Erik, Ericsson.

DISCUSSION **Made to wrong version (should be 3.2.0)**

This CR presents an initial attempt to introduce UMTS references into this specification, and is presented for information.

Note: References should be made to **3G TS** 2x.xxx

ACTION: MCC to clarify how to clearly identify GSM / UMTS specific parts in a shared 3G specification (single statement or tag at each occurrence)

Check if Multimedia is a WI for UMTS only or GSM and UMTS

ACTION: N3 delegates are invited to provide comments to the author to be integrated in a revised CR to be presented to the next N3 Meeting

RESULT **POSTPONED to TSG_CN3#7 for approval**

N3-99320 **CR to 29.007 Initial Updates for UMTS.** Presented by Norbert, Siemens AG.

DISCUSSION This CR presents an initial attempt to introduce UMTS references into this specification, and is presented for information

ACTION: N3 delegates are invited to provide comments to the author to be integrated in a revised CR to be presented to the next N3 Meeting

RESULT **POSTPONED to be presented at TSG_CN3#7 for approval**

N3-99316 **CR to 24.022 - Initial Updates for UMTS.** Presented by Norbert, Siemens AG.

DISCUSSION This CR presents an initial attempt to introduce UMTS references into this specification, and is presented for information

ACTION: N3 delegates are invited to provide comments to the author to be integrated in a revised CR to be presented to the next N3 Meeting

RESULT **POSTPONED to be presented at TSG_CN3#7 for approval**

N3-99317 **CR to 29.007 - Corrections of terms.** Presented by Norbert, Siemens AG.
DISCUSSION This CR presents corrections to the terms in the text of this specification to align with 3GPP rules.

ACTION: Author will merge these changes with those presented in **N3-99320**

RESULT **POSTPONED to be presented at TSG_CN3#7 for approval**

7.5 PIAFS

W.I STATUS: The PIAFS work Item can be finalised by the end of this year – provided the single numbering issue can be resolved.

N3-99305 **CLARIFICATION OF INTERCONNECTION BETWEEN PIAFS and V.110.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

RESULT **AGREED**

N3-99306 **PDF file of PIAFS Specification 1.1.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION MITF gave official approval to distribute the English version of the PIAF specification. MITF is the organisation that holds the copyrights of the specification. The documents is provided for information and comments are welcomed back to NTT DoCoMo

RESULT **NOTED**

N3-99307 **CR to 27.001 - Support of PIAFS in UMTS.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION **Made to wrong version (should be 3.2.0).** This is a revised version of a previous CR presented to CN3#5.

The Author wishes to revise the document further to incorporate additional text.

Proposal to remove non-UMTS applicable parameters.

ANNEX A requires an indicator for PIAFS - 32K to be added.

ACTION: The author will merge with the CR provided in **N3-99310**, incorporating the comments and based upon the latest version. For presentation to the next N3 meeting.

RESULT **DISCUSSED to be merged into N3-99349 and presented to TSG_CN3#7**

N3-99308 **CR to 29.007 - DETAILED INFORMATION OF PIAFS IN UMTS.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION **Note: Made to wrong version (should be 3.2.0).** This is a revised version of a previous CR presented to CN3#5.

Comments on conversion of the ISDN / PIAFs BC to in the visited MSC.

Cannot assume 32K is applicable for Transparent Multimedia – this has not yet been agreed. It was agreed in CN Plenary to provide a code point for only 32K non-transparent data.

ACTION: The author will merge with the CR provided in **N3-99311**, incorporating the comments and based upon the latest version. For presentation to the next N3 meeting.

RESULT **DISCUSSED to be merged into N3-99350 and presented to TSG_CN3#7**

7.6 Service clean up R99

W.I Status: CRs are required for 23.054 and perhaps packet specs 23.070, 29.006/ There is still the open issue of the possible deletion of packet services. Send a LS to S1 to consider the removal of basic packet services. This LS is to be provided in **N3-99356**.

N3-99356 **LS to S1 on R99 service clean up.** Presented by Eric, Ericsson.

DISCUSSION This LS will be sent to S1 and SMG1

RESULT **LS AGREED to be sent**

N3-99251 **CR to 03.10 for Service Clean-up.** Presented by Achim, Alcatel.

DISCUSSION Presents general clean-up changes to 03.10 R99.

ACTION: N3 are asked to provide comments to the author on the proposed changes

RESULT **REVISED to N3-99351 to be provided to N3#7**

N3-99275 **CR to 27.001 - R99 service clean up.** Presented by Eric, Ericsson.

DISCUSSION **Note: Made to wrong version (should be 3.2.0).**

Requires removal of V.23.

Requires the inclusion of code point x.28 non dedicated PAD in 09.07

RESULT **Content AGREED - REVISED to N3-99352 for presentation to N3#7**

N3-99276 **CR to 27.002 – Service Clean-up for R99.** Presented by Erik, Ericsson.

DISCUSSION Requires minor modifications – new CR sheet - remove V.23

RESULT **Content AGREED - REVISED to N3-99353 for presentation to N3#7**

N3-99277 **CR to 27.003 – Service Clean-up for R99.** Presented by Erik, Ericsson.

DISCUSSION Requires minor modifications – new CR sheet.

ACTION: N3 Delegates are requested to provide support to Erik, for the update CRs for UMTS to this spec.

RESULT **Content AGREED - REVISED to N3-99354 for presentation to N3#7**

N3-99319 **CR to 29.007- Service Clean-up for R99.** Presented by Norbert, Siemens

DISCUSSION Compliments a previous CR for service clean-up. Should include X.28 non-dedicated code point.

RESULT **Content AGREED - REVISED to N3-99355 for presentation to N3#7**

7.7 Other Work Items

7.7.1 Negotiation of additional parameters (for PIAFS, FTM and Multimedia)

N3-99309 **Extension of negotiable parameters in CALL CONFIRMED message.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION The document proposes the extension in case of single numbering scheme and mobile terminated call. Related CRs in **N3-99311** and **N3-99310**.

Suggestion: Modification to the existing mode of transport for the introduction of PIAFS – In GSM, 64K can only be transparent – With the introduction of PIAFS a Network supporting PIAFS could indicate its' capabilities (Transparent – Non Transparent) in the case of 64K UDI

1. Connection element: Even if SETUP contains indication of T or NT, UE can freely choose T or NT. (**NOT AGREED**)
2. Rate adaptation & Other rate adaptation: should be added to negotiable parameters list in CALL CONFIRMED message. (**AGREED for certain services – PIAFS, MULTIMEDIA**)
3. Synchronous/asynchronous: should be added to negotiable parameters list in CALL CONFIRMED message. (**AGREED for PIAFS**)

ACTION: N3 agreed rate adaptation and synch/asynch negotiable will be available for FTM Mobile terminated call. Interested parties are to present CRs to the next meeting

ACTION: The author will revise the document to incorporate the comments and base the CR on latest version. For presentation to the next N3 meeting.

RESULT **DISCUSSED to be revised for TSG_CN3#7**

N3-99310 **CR to 27.001 - EXTENSION OF NEGOTIABLE PARAMETERS IN CALL CONFIRMED MESSAGE.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION **Note: Made to wrong version (should be 3.2.0).**

Suggested modifications to Notes in table B.1 – in the case of FTM and PIAFS you must select only non-transparent.

ACTION: The author will merge with the CR provided in **N3-99307**, incorporating the comments and based upon the latest version. For presentation to the next N3 meeting.

RESULT **DISCUSSED to be merged into N3-99349 and presented to TSG_CN3#7**

N3-99311 **CR to 29.007 - EXTENSION OF NEGOTIABLE PARAMETERS IN CALL CONFIRMED MESSAGE.** Presented by HAGIWARA Junichirou, NTT DoCoMo.

DISCUSSION **Note: Made to wrong version (should be 3.2.0).**

Proposed modifications to PIAFS and FTM the parameters can be additionally negotiated.

ACTION: The author will merge with the CR provided in N3-99308, incorporating the comments and based upon the latest version. For presentation to the next N3 meeting.

RESULT **DISCUSSED to be merged into N3-99350 and presented to TSG_CN3#7**

7.7.2 Multimedia

N3-99312 **Basic multimedia call setup procedures.** Presented by NTT DoCoMo.

DISCUSSION Related document in **N3-99314**.

Q. to table 4. Requirement to use the multi-numbering scheme.

Q. to table 4.2 Titles are the same (Type Error)

RESULT **DISCUSSED – CRs to be produced for N3#7**

N3-99314 **Multimedia call Inter-working with H.320 and H.324/I.** Presented by, NTT DoCoMo.

DISCUSSION Interworking between H.320/H.234-M and H.324-I is not yet defined, and the architecture has not been specified.

H.320 interworking is to be supported in R2000

RESULT **REVISED to N3-99357**

N3-99357 **Rev. Multimedia call Inter-working with H.320 and H.324/I.** Presented by, NTT DoCoMo.

DISCUSSION This document supplies additional information and clarification to previous discussed MMT related paper from NTT DoCoMo.

RESULT **NOTED**

N3-99313 **PIFAS and 32kbit/s Video Telephony call set-up procedure.** Presented by, NTT DoCoMo.

DISCUSSION For video telephony, there is a requirement for Radio interface rate to match the 32Kbps. NTT DoCoMo will include it in a future proposal to TSG_R1.

N3 have AGREED the requirement of the transparent service for Multimedia with a 32Kbps rate.

LS to be sent to R1 requesting the 32K service (**N3-99359**). Also NTT DoCoMo will present related contributions directly to R1.

RESULT **PRINCIPLES AGREED**

N3-99359 **LS to R1 on requirement for 32k Multimedia Data Rate.** Presented by, NTT DoCoMo.

DISCUSSION Will include attachment N3-99313

RESULT **AGREED**

N3-99315 **CR to 29.007 for Multimedia.** Presented by, NTT DoCoMo.

DISCUSSION **Note: Made to wrong version (should be 3.2.0).**

Note the CR does not complete the work, and revisions will be required.

Comments: Code point of 33.6K does not exist. Thus we must delete 33.6K for mobile terminated calls and replace 28.8K for single numbering.

RESULT **MERGED into N3-99358 to be presented to N3#7.**

N3-99345 **CR to 29.007 - INTERWORKING WITH H.324/I.** Presented by, NTT DoCoMo.

DISCUSSION **Note: Made to wrong version (should be 3.2.0).**

V.140 issues require further study

RESULT **REVISED to N3-99358 to be presented to TSG_CN3#7**

7.7.3 Joint Session between N3 and S1.

Due to the open issues on Bearer Modification without pre-notification a joint meeting was planned between S1 and N3. Due to lack of time, a joint session took place with Bill Robinson of Motorola representing S1.

N3-99371 **Brief History of proposal for “bearer modification without pre-notification.** Presented by Masahiko Yahagi, NEC.

DISCUSSION The document provides a brief history of the presentation of this item throughout various N1, N3 and S1 meetings. Provided for information.

RESULT **NOTED**

N3-99372 **Email discussion on Consideration about S1/N3 joint meeting.** Presented by Masahiko Yahagi, NEC.

DISCUSSION Document contains mail exchanges relating to the joint session, and is provided for information.

RESULT **NOTED**

N3-99322 **PROPOSED LS from S1 - Bearer Modification without pre-notification and Requirement for R99**

DISCUSSION It should be noted that this is a proposed LS that has not yet been approved within S1.

The document presents features that would be desirable for inclusion in R99, but there are some concerns as to whether this is achievable.

- (1) Bearer Modification during communication between a speech and FAX
- (2) Bearer Modification during communication between a speech and Multimedia.
- (3) Bearer Modification during communication between a speech and Modem.

Speech and FAX There exists an alternative speech / fax service in GSM with pre-notification. N3 requests clarification on the requirements for no pre-notification. This is explained in the attachment S1-99752 included in N3-99322.

Q. Why not use MUTLICALL to set up a second bearer for FAX instead of modifying the bearer in order to switch services? R. This would mean setting up another call and possible billing and call set-up delay implications.

Speech and multimedia has been discussed in N3 as a fallback service should the multimedia call set-up fail. However it is the unofficial opinion that time is limited to have this included in R99. Also this will have implications on the work of N1.

Speech is a subset of Multimedia, hence the transition of Multimedia to speech is feasible. Similarly speech to multimedia should also be feasible. However this requires the set-up of a multimedia bearer, and not a simple speech channel.

This can be done in several ways. Either set up a multimedia call in the network and then downgrade to speech or set-up a speech call and then upgrade to multimedia. The second case is more complex as it requires modifications to the IWF.

For R99 it may be possible to realise R99 we may realise the interface between MUX modem, but a better technical solution would be difficult to achieve for R99.

Speech and modem requirement is not clear. Possible alignment with a Japanese system for emergency services. Suggested that this could be done by a packet service (GPRS) in UMTS.

S1 clarified that the requirement is for speech to modem and modem to speech i.e. in both directions.

Also clarified that the speech and modem destinations are the same after bearer modification.

Q. Why only modem and not UDI or Data in general? Only modem possible due to the ability to transport both modem and speech signals over a 3.1KHz audio channel.

Note this service existed previously in GSM, and S1 requested that it be deleted for R99. It seems strange to N3 that it is now proposed to be re-introduced.

Also this service is technically problematic, and N3 request some clear applications from S1, so that they may better understand the requirements.

S1 replied that they have received a contribution requesting the introduction of speech and modem. They request N3 to explain if this is technically feasible.

Speech to modem without pre-notification is considered feasible, at least falling back to a low speed modem service.

Technical concerns:- Modem handshaking problems due to calling / called tones being missed. This could be clearer to N3 if more information on the applications were available.

RESULT **LS N3-99373 back to S1 stating tech poss, however alternative solutions are available to provide the same service.**

8. Packet Switched Work Items

8.1 Packet Sub Working group Meeting Report

The following section provides a resume of the discussions and output documents from the Packet Switched (PS) SWG.

N3-99331 **TSG-CN3 packet switched sub-group meeting #6 report.** Presented by Graham Heaton.

DISCUSSION Presents the minutes of the 2-day meeting packet switched sub-working group.

RESULT **NOTED**

9. Approval of Output Documents

9.1 Output Documents from SWGs (PS / CS)

9.1.1 Packet Switched SWG Output Documents

N3-99332 **LS to TSG_T2 SWG2 on Rejection on GPRS ATD modification.** Presented by Graham Heaton.

DISCUSSION CRs should rather be presented by the authors in the group that is responsible for the specification. In this case N3 delegates are asked to brief their T2 colleagues to support this issue in order to avoid further ping pong LS exchanges. Vodafone will take care of this.

RESULT **LS APPROVED to be sent**

N3-99333 **LS to TSG-T2-SWG5 and TSG-RAN-WG2 Definition of Active Communication for Packet Domain.** Presented by Graham Heaton.

RESULT **LS APPROVED to be sent**

N3-99334 **LS to TSG-CN1 on Iu UP Protocol Framing of NAS User Data.** Presented by Graham Heaton.

RESULT **LS APPROVED to be sent with attachment N3-99289**

N3-99335 **LS to S1 on 3G Services.** Presented by Graham Heaton.

DISCUSSION N3 delegates are asked to brief their S1 colleagues because of the very technical nature of this LS.

RESULT **LS APPROVED to be sent**

N3-99328 **CR to 29.061 on DHCP IN PDP TYPE IP**

DISCUSSION N3 delegates are invited to comment on these CRs

RESULT **POSTPONED (N3#7 Meeting document N3-99396)**

N3-99329 **WORKING DRAFT OF 27.060**

DISCUSSION N3 delegates are invited to comment on these CRs

RESULT **POSTPONED (N3#7 Meeting document N3-99397)**

N3-99370 **WORKING DRAFT OF 29.061**

DISCUSSION N3 delegates are invited to comment on these CRs

RESULT **ONGOING CRs not for presentation. (N3#7 Meeting document N3-99398)**

9.1.2 Circuit Switched SWG Output Documents

N3-99356 **Liaison statement to S1/SMG1 on Release'99 clean-up**

RESULT **LS APPROVED to be sent**

N3-99373 **Liaison statement to S1 on Bearer Modification without Pre-notification**

DISCUSSION minor modifications/improvements necessary

RESULT **LS APPROVED to be sent**

N3-99359 **Liaison statement to R1 on 32k Multimedia Data rate**

DISCUSSION document N3-99313 to be attached
RESULT **LS APPROVED to be sent with N3-99313 attached**

N3-99361 **CR to 04.22 on Correction to REMAP procedure in RLP (R96)**
DISCUSSION minor correction in cover sheet (category)
RESULT **CR APPROVED**

N3-99362 **CR to 04.22 on Correction to REMAP procedure in RLP (R97)**
RESULT **CR APPROVED**

N3-99363 **CR to 04.22 on Correction to REMAP procedure in RLP (R98)**
RESULT **CR APPROVED**

N3-99364 **CR to 24.022 on Correction to REMAP procedure in RLP (R99)**
DISCUSSION minor correction in cover sheet (category)
RESULT **CR APPROVED**

N3-99346 **CR to 29.007 on Clarification of the VMSC Behaviour in case of interworking**
RESULT **CR APPROVED**

9.2 Resume of N3#6 Change Requests

The following CRs will be sent to TSG CN and / or SMG Plenary for approval:-

DOC	SPEC	Ver	CR	CAT.	Rel.	Subject
N3-99361	04.22	5.5.0	A024	F	R96	Correction to REMAP procedure in RLP
N3-99362	04.22	6.1.0	A025	A	R97	Correction to REMAP procedure in RLP
N3-99363	04.22	7.0.1	A026	A	R98	Correction to REMAP procedure in RLP
N3-99364	24.022	3.1.0	002	A	R99	Correction to REMAP procedure in RLP
N3-99346	29.007	3.2.0	005	D	R99	Clarification of the VMSC Behaviour in case of interworking

9.3 Resume of N3#6 Liaison Statements

The following Liaison Statements to be sent:-

DOC	Subject	To	Attachments
N3-99356	Open Issue on eventual deletion of packet services	TSG_S1	
N3-99359	Request for the provision of 32K service for Multimedia	TSG_R1	N3-99313
N3-99373	Bearer Modification without pre-notification	TSG_S1	
N3-99374	Re. to LS on Service/Baseline Implementation Capabilities	TSG_N1	
N3-99332	TSG_T2 SWG2 on Rejection on GPRS ATD modification	TSG_T2 SWG2	
N3-99333	Definition of active Communication for Packet Domain	T2_SWG5 Cc RAN 2	
N3-99334	Iu UP Protocol Framing of NAS User Data	TSG_N1	N3-99289
N3-99335	3G Services	TSG_S1	

9.4 Resume of N3#6 Work Items

No work new / revised Work Items were presented during the meeting

DOC	TYPE	Subject
N3-99	New / rev	

10. A.O.B

11. Close of Meeting

The Chairman thanked ETSI for hosting the meeting and for the meeting support given to the CN delegates, which made it possible to make progress in the work.

David Boswarthick wished delegates better weather for the next N3#7 meeting in Sophia.

ANNEX A: Participants List for CN3#5

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ANNEX B: List of Documents

N3-99	Title	Source	STATUS	NOTES
241	TSG CN1 + CN3 JOINT MEETING REPORT	MCC		
242	TSG CN3#5 MEETING REPORT	MCC	REV TO 242	
243	REV. N3 MEETING DATES FOR 2000	N3 CHAIRMAN	REVISED TO 234	REPLACES 235 - TO BE PROVIDED BY E-MAIL
244	REV. CR 29.007 SERVICE CLEAN UP	SIEMENS	AGREE BY MAIL	REPLACES 238
245	CR TO 27.060 AT COMMANDS	VODAFONE		
	SPARE			
246	DRAFT MEETING AGENDA CN3#6	N3 CHAIRMAN	REV. TO 323	
247	REVISED MEETING REPORT CN3#5	MCC	APPROVED	REV. FROM 242
248	03.46 VALIDATION REPORT	ALCATEL	DISCUSSED	ACHIM
249	COMMENTS TO FAX PROPOSAL OF NTT DOCOMO	ALCATEL	DISCUSSED	ACHIM
250	23.907 V1.4.0	ALCATEL	NOTED	ACHIM
251	GSM CR TO 03.10 FOR GSM R99 CLEAN UP	ALCATEL	REV. TO 351	ACHIM
252	GSM CR TO 04.22 REMAP CORRECTION	ALCATEL	MERGED INTO 336	ACHIM
253	SCOPE OF ETR018, Q.767	ALCATEL	WITHDRAWN	ACHIM
254	RLP REMAP PROBLEM, DISCUSSION	NOKIA	DISCUSSED	RELATED CRS IN 336
255	RLP REMAP CORRECTION, CR TO 04.22	NOKIA	MERGED INTO 336	
256	CS VIDEO/MULTIMEDIA BEARER SERVICE, DISCUSSION	NOKIA	WITHDRAWN	
257	CS VIDEO/MULTIMEDIA, CR TO 29.007	NOKIA	WITHDRAWN	
258	CS VIDEO/MULTIMEDIA, CR TO 27.001	NOKIA	WITHDRAWN	
259	27.060 V3.1.0	GRAHAME HEATON	??	
260	29.061 V3.1.0	GRAHAME HEATON	??	
261	23.060 V310 DRAFT 2 FROM S2	GRAHAME HEATON	??	
262	TSG_CN PLENARY#5 DRAFT REPORT	MCC	NOTED	
263	N1 STATUS REPORT TO TSG_CN#5	N1 CHAIRMAN	NOTED	
264	N3 WORK ITEM LIST	NORBERT	WITHDRAWN	
265	MEETING PLAN	NORBERT	REV. TO 376	
266	SPECIFICATIONS WITHIN TSG_CN	CN CHAIRMAN	DISCUSSED	
267	CN WORK ITEMS	MCC	DISCUSSED	
268	N3 WORK ITEMS	MCC	WITHDRAWN	
269	CR - ALIGNMENT TO 23.060	ERICSSON	DISCUSSED	TOMAS HOLMSTRÖM
270	CR - ACCESS TO AN INTRANET/ISP WITH DHCP END TO END	ERICSSON	??	TOMAS HOLMSTRÖM
271	CHANGE OF REFERENCES TOWARDS ETS 300 102-1 INTO REFERENCES TOWARDS Q.931	ERICSSON	DISCUSSED	ERIK COLBAN
272	CR TO 27.001 INTRODUCTION OF UMTS	ERICSSON	POSTPONED CN3#7	ERIK COLBAN
273	CR TO 27.001 INTRODUCTION OF FTM	ERICSSON	REV. TO 340	ERIK COLBAN
274	CR TO 29.007 INTRODUCTION OF FTM	ERICSSON	POSTPONED CN3#7 (341)	ERIK COLBAN
275	CR TO 27.001 RELEASE 99 CLEAN UP	ERICSSON	POSTPONED CN3#7 (352)	ERIK COLBAN
276	CR TO 27.002 RELEASE 99 CLEAN UP	ERICSSON	POSTPONED CN3#7 (353)	ERIK COLBAN
277	CR TO 27.003 RELEASE 99 CLEAN UP	ERICSSON	POSTPONED CN3#7 (354)	ERIK COLBAN
278	CSPS		NOTED	GRAHAME HEATON
279	TR 25.990 V2.0.0 (1999-10) VOCAB.	TSG_RAN	POSTPONED	
280	CLARIFICATION OF THE VMSC BEHAVIOUR IN CASE OF INTERWORKING	MANNESMANN	REV. TO 342	JENS POSCHER
281	RULES FOR MAPPING THE GSM BC,HLC AND LLC INTO ISDN BC,HLC AND LLC ACCORDING TO ETR 018	MANNESMANN	• WITHDRAWN	JENS POSCHER

282	RESPONSE TO LS ON: USER-TO-USER SIGNALLING (UUS) ENHANCEMENTS	TSG_S2	WITHDRAWN	
283	LIAISON STATEMENT TO SA2, SA4, N3 ON THE IU USER PLANE (UP) SPECIFICATION STATUS IN RAN WG3	RAN 3	WITHDRAWN	
284	DEFINITIONS FOR USAGE OF MULTI-MODE/SYSTEM TERMINALS	T2 SWG5	WITHDRAWN	
285	RESPONSE TO "LS ABOUT SYNCHRONISATION"	TSG_N1	NOTED	
286	RESPONSE TO LS ON SERVICE/BASELINE IMPLEMENTATION CAPABILITIES	TSG_N1	RESPO. LS IN 374	
287	RESPONSE LIAISON ON RAB REQUIREMENTS FOR CS DATA AND ARCHITECTURE FOR CS DATA SERVICES	SA 2	REV. TO 368	
288	LIAISON STATEMENT ON UMTS AND RAB PARAMETER VALUE RANGES AND GRANULARITY	SA 2	NOTED	
289	LIAISON STATEMENT ON THE IU UP PROTOCOL FRAMING OF NAS USER DATA	SA 2	NOTED	
290	RESPONSE TO LS TSGR2#7(99)D25 ON "DEFINITIONS FOR USAGE OF MULTI-MODE/SYSTEM TERMINALS	T2 SWG5	NO STATUS	
291	LS TO T3 ON REJECTION ON GPRS ATD MODIFICATION	T2 SWG2	NO STATUS	
292	RESPONSE LIAISON STATEMENT REQUIREMENTS ON IU USER PLANE FOR CS DATA	TSG R3	NOTED	
293	LS ON SERVICE/BASELINE IMPLEMENTATION CAPABILITIES		NOTED	
294	RESPONSE TO LS ON "DEFINITIONS FOR USAGE OF MULTI-MODE/SYSTEM TERMINALS	TSG R3	NO STATUS	
295	LIAISON STATEMENT ON FREEZING OF R97 AND R98	N1	DUPLICATE WITHDRAWN	
296	RESPONSE TO "LS ABOUT SYNCHRONISATION	N1	DUPLICATE WITHDRAWN	
297	RESPONSE TO LS ON SERVICE/BASELINE IMPLEMENTATION CAPABILITIES	N1	DUPLICATE WITHDRAWN	
298	LIAISON STATEMENT ON ADDITION OF APN PARAMETER IN NETWORK-REQUESTED PDP CONTEXT ACTIVATION PROCEDURE	TSG_S2	DUPLICATE WITHDRAWN	
299	BACKGROUND OF S2-99999 AND ACTION TO THE LS	NTT DOCOMO	NOTED	
300	HANDLING OF DTX IN RLP (AGENDA ITEM: 7.1.1 RLP)	NTT DOCOMO	REV. TO 337	
301	CLARIFICATION OF N3-99113	NTT DOCOMO	WITHDRAWN REPLACED BY 365	
302	CLARIFICATION OF N3-99167	NTT DOCOMO	DISCUSSED	
303	ENHANCEMENT OF TS 23.046 (AGENDA ITEM: 7.3 > FACSIMILE)	NTT DOCOMO	DISCUSSED	
304	FRAME ALIGNMENT OF IU UP IN TRANSPARENT DATA	NTT DOCOMO	POSTPONED UNTIL N3#7	
305	CLARIFICATION OF INTERCONNECTION BETWEEN PIAFS AND > V.110	NTT DOCOMO	AGREED	
306	PDF FILE OF PIAFS SPECIFICATION 1.1	NTT DOCOMO	NOTED	
307	DETAILED INFORMATION OF PIAFS IN UMTS	NTT DOCOMO	MERGED IN 349 FOR N3#7	
308	DETAILED INFORMATION OF PIAFS IN UMTS	NTT DOCOMO	MERGED IN 350 FOR N3#7	
309	EXTENSION OF NEGOTIABLE PARAMETERS IN CALL CONFIRMED MESSAGE	NTT DOCOMO	TO BE REVISED N3#7	

310	EXTENSION OF NEGOTIABLE PARAMETERS IN CALL CONFIRMED MESSAGE	NTT DOCOMO	MERGED IN 349 FOR N3#7	
311	EXTENSION OF NEGOTIABLE PARAMETERS IN CALL CONFIRMED MESSAGE	NTT DOCOMO	MERGED IN 350 FOR N3#7	
312	BASIC VIDEO TELEPHONY CALL SETUP PROCEDURE	NTT DOCOMO	CRS FOR N3#7	
313	PIFAS AND 32KBIT/S VIDEO TELEPHONY CALL SETUP PROCEDURE	NTT DOCOMO	AGREED	
314	MULTIMEDIA CALL INTER-WORKING WITH H.320 AND H.324/I	NTT DOCOMO	MERGED IN 357 FOR N3#7	
315	DETAILED INFORMATION OF MULTIMEDIA SERVICE	NTT DOCOMO	MERGED IN 358 FOR N3#7	
316	INITIAL UPDATES FOR	SIEMENS	POSTPONED	
317	CORRECTION OF TERMS	SIEMENS	POSTPONED	
318	UPDATE OF ISDN REFERENCE	SIEMENS	POSTPONED	
319	R99 SERVICE CLEANUP	SIEMENS	TO BE REPRESENTED N3#7 AS 355	
320	INITIAL UPDATES FOR UMTS	SIEMENS	POSTPONED N3#7	
321	USE OF LU UP PROTOCOL BY TRANSPORT SERVICES	SIEMENS	POSTPONED N3#7	
322	BEARER MODIFICATION WITHOUT PRE-NOTIFICATION AND REQUIREMENT FOR R99	TSG_S1	RESPO. LS IN 373	
323	REV. AGENDA	N3 CHAIRMAN	APPROVED	REV FROM 242
324	LIAISON STATEMENT ON FREEZING GSM RELEASE 97 & RELEASE 98	TSG_CN (N1 + N2)	??	
325	ATD COMMAND REJECTION	N3 PS	??	
326	ACTIVE COMMUNICATION	N3 PS	??	
327	IU UP SDU FRAMING FOR NAS DATA	N3 PS	??	
328	DHCP IN PDP TYPE IP	N3 PS	POSTPONED	ONGOING – NEEDS CLEAN UP
329	WORKING DRAFT OF 27.060	N3 PS	REVISED FROM 269	
330	PDP SERVICES IN 3G	N3 PS	??	
331	PS GROUP DRAFT MINUTES	N3 PS	NOTED	
332	ATD COMMAND REJECTION	N3 PS	REVISED FROM 325	
333	ACTIVE COMMUNICATION	N3 PS	REVISED FROM 326	
334	IU UP SDU FRAMING FOR NAS DATA	N3 PS	REVISED FROM 327	
335	PDP SERVICES IN 3G	N3 PS	REVISED FROM 330	
336	CRS TO 24.022 ON REMAP	ACHIM / JUHA	REV TO 361	
337	REV OF N3-99300 CR TO 24.022 ON DTX –RLP		MERGE WITHCR IN 316	NTT DOCOMO
338	CHANGE OF TS 27.001 FOR BEARER MODIF		?? PS	NEC
339	CR TO 27.001 CS BEARERS IN UMTS		?? PS	NEC
340	REV. CR TO 27.001 INTRODUCTION OF FTM	ERICSSON	POSTPONED TO N3#7 REV FROM 273	ERIK
341	REV. CR TO 29.007 INTRODUCTION OF FTM	ERICSSON	POSTPONED TO N3#7 REV FROM 274	ERIK
342	REV. CR - CLARIFICATION OF THE VMSC BEHAVIOUR - INTERWORKING	MANNESMANN	REV. TO 346	JENS POSCHER
343	EQUIV CR FOR R98	MANNESMANN	REV. TO 347	JENS POSCHER
344	EQUIV CR FOR R97	MANNESMANN	REV. TO 348	JENS POSCHER
345	CR - INTERWORKING WITH H.324/I		POSTPONED CN3#7 (358)	
346	REV. CR FROM 342	MANNESMANN	APPROVED	REV. FROM 342 JENS POSCHER
347	REV. EQUIV CR FOR R98	MANNESMANN	WITHDRAWN	JENS POSCHER
348	REV. EQUIV CR FOR R97	MANNESMANN	WITHDRAWN	JENS POSCHER
349	REV DETAILED INFORMATION OF PIAFS IN UMTS	NTT DOCOMO	POSTPONED TO N3#7 REV FROM 307 & 310	
350	REV MERGED CR TO 29,007	NTT DOCOMO	POSTPONED TO N3#7 REV FROM 308 & 311	
351	REV. CR TO 03.10 FOR SERVICE CLEAN-UP	ALCATEL	POSTPONED TO N3#7 REV FROM 251	
352	REV OF 275	ERICSSON	POSTPONED TO N3#7 REV FROM 275	ERIK

353	CR FOR SERVICE CLEAN-UP R99	ERICSSON	POSTPONED TO N3#7 REV FROM 276	ERIK
354	CR FOR SERVICE CLEAN-UP R99	ERICSSON	POSTPONED TO N3#7 REV FROM 277	ERIK
355	REV. R99 SERVICE CLEANUP	SIEMENS	POSTPONED TO N3#7 REV FROM 319	NORBERT
356	LS TO S1 ON THE DELETION OF BASIC PACKET SERVICE		APPROVED	ERIK.
357	REV OF 314 MULTIMEDIA CALL INTER- WORKING WITH H.320 AND H.324/L.	NTT DOCOMO	NOTED	
358	CR TO 29.007 - INTERWORKING WITH H.324/L.		POSTPONED TO N3#7 MERGE FROM 345 & 315	
359	LS TO R1 ON REQUIREMENT OF 32K		AGREED	
360	PPT PRESENTATION FROM TSG_SA	MCC	NOTED	
361	CORRECTION TO REMAP PROCEDURE IN RLP	NOKIA / ALCATEL	APPROVED	
362	EQUIV. CORRECTION TO REMAP PROCEDURE IN RLP	NOKIA / ALCATEL	APPROVED	
363	EQUIV. CORRECTION TO REMAP PROCEDURE IN RLP	NOKIA / ALCATEL	APPROVED	
364	REV CR CORRECTION TO REMAP PROCEDURE IN RLP	NOKIA / ALCATEL	APPROVED	
365	REV. CLARIFICATION OF N3-99113	NTT DOCOMO	DISCUSSED	
366	IUUP MODE		POSTPONED	
367	REV OF TR 23.910	ERICSSON	NOTED	ERIK
368	REV LS FROM S2 (287)	TSG_S2	NOTED	
369	TITLE		NOTED	
370	WORKING DRAFT OF 29.061	N3 PS	REVISED 260	
371	BRIEF HISTORY OF BEARER MODIF.		NOTED	
372	CONSIDERATION ABOUT S1/N3 JOINT MEETING	S1	NOTED	
373	RESPONSE LS TO S1 ON BEARER MODIFICATION WITHOUT PRE-NOTIF.	CN3	AGREED	
374	RE. TO LS ON SERVICE/BASELINE IMPLEMENTATION CAPABILITIES	CN3	AGREED	
375	CN3#6 MEETING DRAFT REPORT	MCC	TO BE AGREED AT CN3#7	
376	REV N3 MEETING DATES	N3 CHAIRMAN	AGREED	