

3GPP TSG_CN / ETSI SMG3
Plenary Meeting #5
Kyongju, Korea
6th to 8th October 1999

NP-99396



Chairman: Harald Dettner
harald.dettner@icn.siemens.de

Secretary David Boswarthick, ETSI MCC
david.boswarthick@etsi.fr

Title: Meeting Report of TSG_CN #5 / SMG3 Plenary



Preface

The fifth meeting of the 3GPP TSGs was organised by Telecommunications Technology Association (TTA, Korea) to a level of excellence which will be difficult to equal.

The fortunate group of CN delegates had the pleasure of advancing the ongoing 3GPP work with colleagues from the other TSGs in the picturesque destination of Kyongju, Korea.

The location was impressive, the climate variable and the welcome as warm as waters of the Bulguksa spas.

1. Opening the Meeting

The 5th TSG_CN plenary meeting took place from 6th to the 8th of October, and output from that meeting was delivered to the TSG_SA meeting that ran from 11th to the 13th October.

The TSG_CN Chairman, Harald Dettner opened the meeting with a brief explanation of the practical arrangements and logistical details, explaining such essential details as necessity breaks and lunch.

Harald presented the meeting schedule document (made available on the LAN for information), which detailed the allocation of documents to agenda items and the working schedule for the rest of the week.

There was also a brief introduction to the newly formed CN team from the MCC who are now supporting all of the Core Network working groups.

2. Approval of the Agenda

NP-99250 **CN#5 Meeting Agenda.** Presented by Harald

RESULT **Meeting Agenda AGREED**

3. Approval of meeting Report of TSG_CN#4

NP-99313 **Meeting report of TSG_CN#4, Sophia Antipolis:** Presented by Harald

DISCUSSION Comments were raised as to the format for Plenary meeting reports. Support was given for a more textual report format as opposed to table form. This principle shall be applied to all future CN Plenary reports.

It was noted that many N1 documents were approved electronically shortly after TSG#4 meeting during an electronic plenary that took place from 7th to 11th of June 1999.

Details of the approved documents are provided for information in **NP-99372**.

RESULT **APPROVED**

4. Letters / Reports from other groups and Urgent issues

4.3 Urgent Issues - Other

NP-99265 **3GPP Programme Management for R99 and R2000.** Presented by Steve Mecrew

DISCUSSION The proposal aims to enhance the project co-ordination process already put in place by SA.

It relates to the MCC document **NP-99271** that lists all of the CN Work Items.

There is a requirement for a prioritised list that shows progress of Work Items and also dependencies on input from other groups which may hi-light blocking points.

This completed list of Work Items/packages shall also be reported to SA, who can then provide comments.

RESULT **Principle AGREED**

NP-99271 Summary of CN Work Items. Presented by David B, MCC

DISCUSSION This document lists the Work Items currently under work by TSG_CN and its' working groups. The list also shows which Working Group is actively working on which W.Is. Although there is mention of Status (active or new), there is no detail as to WI progress or completion.

Comments: It was requested that the document include additional column for progress/maturity. However there is no requirement to include priority details at this stage. After lengthy discussion it was concluded not to include work item priority details in this document.

It is noted that many of the WI summary sheets are not available or out of date. MCC are requested to provide the new 3GPP WI sheets.

ACTION: All CN delegates are asked to review the W.I description sheets to ensure they are available and up to date with regards to effected specifications and completion dates

RESULT Revised to NP-99368

NP-99368 Rev. Summary of CN Work Items. Presented by Harald

DISCUSSION The document was presented and commented upon during the meeting. It provides an accurate list of the Work Items currently being worked upon by the TSG_CN working groups. It also provides information on dependencies and possible blocking points, as well as an indication of the WI completion estimates.

ACTION: The Work Item status is to be revised at each TSG_CN Plenary.

RESULT Revised to NP-99380 and AGREED as input to SA (SP-99461)

NP-99312 Allocation of Specifications to CN Working groups. Presented by Harald

DISCUSSION The document gives a list of all of the 2G/3G specifications presently under TSG_CN control, and where possible the WG responsible for these specifications is indicated.

Comment: to be revised to include 3G version numbers as well as Rapporteur information for each specification.

It is noted that a number of specifications do not have allocated Rapporteurs.

ACTION: CN Delegates are invited to provide Rapporteurs for these specifications

ACTION: DAB to update the document to include 3G versions

It is a requirement that responsibilities be clearly defined for specifications such as 03.60, so that delegates know where CRs should be presented and which group has control of specification approval.

ACTION: Harald will clarify the responsibility of 03.60 and 23.060 with a liaison to TSG_SA in document NP-99381 (SP-99465)

Note: The content of this document also relates to documents NP-99320 and NP-99321

RESULT Revised to NP-99360

NP-99369 Rev. Allocation of Specifications to CN Working groups.

DISCUSSION Duplicates the information in NP-99360 and is no longer required

RESULT WITHDRAWN

NP-99321 3GPP Specification TS 21.101 version 0.3.0. Presented by Ian Doig, MCC

DISCUSSION This TS identifies the specifications included in 3G for Release 1999. The content of the list is noted but needs update according to the review exercise to NP-99360 (see SP-99463) and alignment with the other TSG's.

ACTION: MCC to update this document as a result of comments from CN

RESULT NOTED

NP-99251 **Maintenance of earlier releases of 2G GSM versions of specifications.** Presented by Ian Doig, MCC

DISCUSSION MCC highlights the problem of CR's approved by working groups and not incorporated in the specifications due to outstanding Plenary approval. In context with SMG / TSG ownership of specifications this becomes a serious delay factor in the speedy delivery of updated specification versions.

Discussions on this problem resulted in the TSG_CN proposal to take the maintenance responsibility for GSM specifications which are in the domain of ETSI SMG/SMG3 and which are not common specifications **(NP-99359)**

RESULT **DISCUSSED**

5. Reports from TSG-CN working groups

5.1 TSG-CN WG1 (N1)

5.1.1 Report from N1

NP-99263 **Status Report of TSG_N1 to CN Plenary.** Presented by Hannu, CN1 Chairman.

DISCUSSION The document is an executive summary based on last three CN1 meeting reports.

CN Plenary endorses the decision to allocate N1 as responsible working group for the new specifications 24.007 and 24.011. N2B will have secondary responsibility for 24.011.

N1 Chairman hi-lights the issue of 03.60 and 23.060, where N1 have maintenance of 03.60 up to R98, and S2 have responsibility for 23.060. S2 need to finalise their architectural issues and then N1 need to work on implementing the architecture defined by S2.

The meeting dates presented in the document are the minimum for year 2000. There may be additional Ad Hoc meetings in supplement to these dates

Section 4.3 - Questions from N1 to N Plenary

Tdoc NP-99275 deals with the revised work item description for out-of-band transcoder control. A liaison statement from TSGN2 (tdoc N1-99B11) was received the last day of TSGN1 #7 meeting and no sufficient time slot could be allocated to proper treatment of it. NP-99275 gives the spontaneous reaction of the meeting was that the BC negotiation in 24.008 would be subject to change and N3 would need to be involved also. Additionally it was questioned whether the WI should be R99 or R00. TSGN1 seeks TSGN2 guidance to progress this matter in their next meeting.

N1 will adopt the Working Assumption to base optional and conditional procedures in the text ICM with no pre-negotiation of BC has presently no working requirements. These are required before advancing with the work. There is no Work Item sheet for this.

<p>ACTION: The originators and all the supporting companies of this work area are asked to provide more information and clearer working requirements in order that N1 and N3 can progress the work or postpone it to a later point in time.</p>
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S2 has sent a LS to N1/N3 last week, however this has not yet been discussed in these groups. N3 is responsible for the analysis if the requirements contained in this LS

It has been agreed that a 32 Kbit/s data rate needed for multimedia call. Plenary propose that N1 provide the code point for 32Kbit/s and N3 will specify the usage for this code point. Clear service requirements for this are missing, and are to be provided by S1.

TSG_CN ask N1 to take the following as its' working assumption – It is the MSC/VLR serving the B-party terminal which takes the active role in the End-to-End codec negotiation. N1 should inform S1 of this decision with a LS.

The N1chairman mentioned the lack of service requirements for SIM toolkit initiated transactions. S1 has not yet provided this information to N1

<p>ACTION: Harald to report to TSG_SA on the lack of response to SIM toolkit requirements.</p>

Note: Under Multimedia section 4.4.2 - Asynchronous transparent data should in fact read Synchronous

Under MS Classmark split, Note that N1 are awaiting a response LS from RAN. This is delaying the presentation of CRs and needs to be resolved by the next N1 meeting.

<p>ACTION: Produce an input document to N1 and RAN, that explains our Working Assumptions for MS Classmark and specifically the requirements for clarification from RAN.</p>

Under L3 segmentation, it is noted that more activity is required to ensure that this W.I is completed for R99

RESULT DISCUSSED

NP-99256 LS from N1 to TSG_CN on Freezing Release 97 and Release 98. Presented by Hannu

DISCUSSION A principle has been agreed within N1, that for old releases (R97, R98) only essential corrections and clarifications not involving change of implementation should be allowed. All additions of features and improvements of rare exceptional cases should go to R99.

N1 propose that no more GPRS CRs to R97 and R98 shall be accepted, apart from certain exceptions, described in the document:

N2 have made a similar proposal in document **NP-99293**.

A joint LS from the N1/N2 Chairmen to TSG_T, TSG SA is presented in **NP-99344**

RESULT Revised to NP-99344

NP-99264 S2s response to a N1 Liaison statement on PLMN selection for GPRS MS. Presented by Hannu

DISCUSSION SMG2 propose that the CR A032 r2 to 03.22 presented in **NP-99328** titled "PLMN Selection for GPRS Mobiles" should not be approved.

They state that the CR introduces new functionality into Releases '97 and '98, which are functionally frozen. Therefore, in SMG2's opinion, this new functionality could only be considered for inclusion in Release '99, after inclusion of a requirement for this functionality in GSM 02.11 (or the equivalent 3GPP specifications).

RESULT TSG_N agree with the statement and propose that N1 do not present the CR and cease work in this item

NP-99331 Report of the 3GPP TSG-N WG1 Meeting #7

DISCUSSION Presented for Information only

RESULT NOTED

NP-99336 Technical Report on MS Classmark. Presented by Adel Rouz, Fujitsu

DISCUSSION Presented for Information only

RESULT NOTED

NP-99295 GSM – UMTS Interworking task list. Presented by Hannu

DISCUSSION Outlines the tasks that need to be carried out by TSG_N1 in order to get the GSM – UMTS interworking defined as part of R99.

Note: Critical situation – with N1s' dependence on stabilisation of 03.60

The document is to be revised to include indication of the responsible person as well as provide details of sub-activities (2G / 3G handover)

In addition Fujitsu offer to be Contributors for 13. *Ciphering of initial MM message*

ACTION: Delegates are invited to provide comments to Hannu by E-mail to. These remarks will be incorporated in a revised document before the next N1 meeting

RESULT DISCUSSED

NP-99275 Liaison statement from N2 to N1 presenting the revised work item description for out-of-band transcoder control. Presented by Hannu

DISCUSSION This LS was received by N1 at a late date and hence was not treated by N1.

Relates to the N2 documents **NP-99288** and **NP-99292**

RESULT NOTED

5.1.2 Questions for advice and decisions from N1

NP-99257 Response to the LS on Location Area concept. Presented by Hannu

DISCUSSION Relates to the response from S2 in **NP-99254** and **NP-99258**

RESULT **NOTED**

5.1.3.1 Approval of contributions from N1 – CRs

NP-99267 **All CRs from N1 on ASCI.** Presented by Hannu

DISCUSSION These CRs complete the ASCI work item

Some CRs do not have the correct categories (F or A) on the cover sheet

RESULT **Revised to NP-99335**

NP-99335 **Rev. CRs from N1 on ASCI.**

RESULT **All CRs APPROVED**

NP-99268 **All CRs from N1 on WI GPRS.** Presented by Hannu

DISCUSSION N1 see no new open items for the GPRS Work Item, only corrections.

NOTE: The CR in **N1-99978** was duplicated by mistake and is removed from this list of CRs to be presented individually in **NP-99274**.

NOTE 04.64 has not yet been transferred to 3G and hence the CRs to this specification cannot be approved by TSG_N before this is done.

However SMG3 can approve and then present to SMG#30. The CRs to 04.64 will not be implemented until after SMG#30 – this gives a delay and offset to related CRs on other specifications. This is reflected in **NP-99359**.

ACTION: CN plenary request the transfer of 04.64 from SMG to 3GPP TSG_CN1. In this way CN plenary can ENDORSE the presented CRs to 04.64.

This proposal is approved by SMG3 plenary and final approval of the transfer is to be requested to SMG#30.

This will result in 04.64 v8.0.0 which deals with GSM parts, since no LLC will be specified for UMTS no corresponding Specification is needed.

NOTE: CRs to 23.060 are also included for information only.

RESULT **ALL CRs APPROVED (except N1-99978 which is presented individually in NP-99274)**

NP-99367 **Additional GPRS CRs to 04.64 R97/R98.** Presented by Ban

DISCUSSION Shadow to 04.64 R98 and R99 for the CR in **NP-99268**

RESULT **All CRs APPROVED**

NP-99269 **All CRs from N1 on WI EDGE.** Presented by Hannu

RESULT **All CRs APPROVED**

NP-99259 **CR to 04.65 on GPRS.** Presented by Hannu

DISCUSSION Note: This CR had not been approved formally by N1 before presentation to the plenary but are a result of several companies as follow-up of the last N1 meeting.

RESULT **CR APPROVED**

NP-99260 **CR to 04.65 R98 on GPRS.** Presented by Hannu

DISCUSSION Note: This CR had not been approved formally by N1 before presentation to the plenary but are a result of several companies as follow-up of the last N1 meeting.

RESULT **CR is APPROVED**

NP-99261 **CR to 24.065 R99.** Presented by Hannu

DISCUSSION Note: This CR had not been approved formally by N1 before presentation to the plenary but are a result of several companies as follow-up of the last N1 meeting.

RESULT **CR APPROVED**

NP-99273 **CR to 24.007 on Using MM sublayer for PS-SMS message transfer.** Presented by Hannu
DISCUSSION Presented for information only. N1 seek guidance as to the validity of the principle.

ACTION: N1 to study principle in more detail and represent a proposal to the Plenary. N1 to supply more background information to support the change

RESULT **NOT ENDORSED the principle and the CR is NOT APPROVED**

NP-99328 **CR to 03.22 on PLMN Selection for GPRS mobiles,** not presented

DISCUSSION Considering the position expressed in **NP-99264** this CR rejected.

RESULT **CR REJECTED**

NP-99276 **R99 CR to 29.018.** Presented by Hannu

DISCUSSION This is endorsed as the working assumption for N1.

RESULT **CR APPROVED**

NP-99277 **R98 CR to 09.18.** Presented by Hannu

RESULT **CR APPROVED**

NP-99278 **Not presented**

DISCUSSION Duplicate document

RESULT **WITHDRAWN**

NP-99279 **Not presented**

DISCUSSION Duplicate document

RESULT **WITHDRAWN**

NP-99274 **CR to 24.008 on Paging Response as a MM message.** Presented by Hannu

DISCUSSION Note this CR is not presented for approval, but to determine a working assumption to be used by N1.

Comments on the lack of backward / forward compatibility over the A interface and radio interface

ACTION: N1 to study the backwards/forwards compatibility issues and represent a proposal if the service requirements merit the change. N1 to supply more background information to support the change

RESULT **CR NOT APPROVED and principles NOT ENDORSED as a working assumption**

NP-99296 **CR to 24.065 on Reset cancels outstanding requests**

RESULT **CR APPROVED**

5.1.3.2 Approval of contributions from N1 – WIs

NP-99272 **Work Item on the Turbocharger Feasibility Study**, Presented by Hannu

DISCUSSION This document is not in line with the technical report on this topic

It is thought that the WI has already been approved by SA – To be confirmed

Draft feasibility study of the Turbocharger is provided for information **NP-99347**

ACTION: Originators to check if the WI has already been approved by SA

RESULT **Revised to NP-99346**

NP-99346 **rev. Work Item on the Turbocharger Feasibility Study**, Presented by Hannu

RESULT **APPROVED**

5.2 TSG-CN WG2 (N2)

5.2.1 Report from N2

NP-99314 **Status Report of TSG_N2 to CN Plenary.** Presented by Ian Park, N2 Chairman

DISCUSSION Note: N2 are expecting guidance from S1 in the form of stage 1 Multicall specification will be delivered to N2 via the N2 mail exploder.

N2 have decided that we should mandate the use of "White Book" SCCP as the bearer for MAP and CAP mandatory at some point in future tbd. It was commented that compatibility issues have to be taken seriously into account before this principle can be endorsed.

RESULT **REVISED NP-99364 to include meeting tdoc references**

NP-99364 **Rev. Status Report of TSG_N2 to CN Plenary**

RESULT **NOTED**

5.2.2 Questions for advice and decisions from N2

NP-99255 **LS to TSG, N, TSG S, TSG S WG1 regarding the scope of CAMEL Phase 3**

DISCUSSION N2 have agreed to split the scope of CAMEL Phase 3 and include in the R99 release only those items that are considered technically feasible to complete within the given timeframe, and to postpone the remaining items to R2000.

The chair received a paper copy of the S1 response to this LS (**NP-99382**), indicating that S1 agree to the division and propose to split the deliverables in Stage 1 at the end of completion of stage 2/3 for R99.

RESULT **TSG_N ENDORSE the proposal**

NP-99294 **Freezing CAMEL Phase 1 & CAMEL Phase 2 Release 97 & Release 98**

DISCUSSION Relates to other documents from N1 and N2. Revised to a joint statement.

RESULT **REVISED to NP-99344**

NP-99288 **Technical report on Out-of-band transcoder control**

DISCUSSION Relates to WI description sheet in **NP99292**

This work relies on the ITU_T, who are presently working on the Bearer Independent Call Control (BICC) protocol. Initial estimates are that the ITUs' work is on target for R99, however subsequent delays in the ITU_T work may effect the WI delivery date.

ACTION: MCC to provide a TR number for this version 3.0.0 – (23.911)
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RESULT **TSG-N ENDORSE the Technical Report**

NP-99291 **Technical report on Super-Charger**

DISCUSSION Relates to WI description sheet in **NP99290**

RESULT **REVISED to NP-99357**

NP-99357 **Rev. Technical report on Super-Charger**

DISCUSSION Requires change from turbo to supercharger
SOLSA and CAMEL in 10.3 to be replaced by time based services

RESULT **REVISED to NP-99377**

NP-99377 **Rev. Technical report on Super-Charger**

ACTION: MCC to provide a TR number for this version 3.0.0 – (23.912)
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RESULT **TSG-N ENDORSE the Technical Report**

5.2.3.1 Approval of contributions from N2 – CRs

NP-99301 Change Requests to 23.008, 23.016, 29.002 on IST Work Item

DISCUSSION This completes the Non-CAMEL IST Work Item

RESULT ALL CRs APPROVED

NP-99304 Change Requests to 23.018, 29.002 on Pre-paging Work Item

DISCUSSION This completes the Pre-paging Work Item

RESULT ALL CRs APPROVED

NP-99306 Change Requests to 23.003 on SSN allocation Work Item

DISCUSSION SSNs for RANAP and RNSAP

RESULT CR APPROVED

NP-99297 Change Requests to 09.02, 29.002 on UUS Work Item

RESULT ALL CRs APPROVED

NP-99298 Change Requests to 03.18, 03.78, 03.79, 09.02, 23.018, 23.078, 23.079, 29.002 on CAMEL Phase 2 Work Item

RESULT ALL CRs APPROVED

NP-99299 Change Requests to 09.02, 29.002 on eMLPP Work Item

RESULT ALL CRs APPROVED

NP-99300 Change Requests to 03.03, 09.02, 23.003, 29.002, 29.060 on GPRS Phase 1 Work Item

DISCUSSION 3 CRs to be excluded from this document as they are presented in **NP-99349**. These 3 CRs **A072** and **A073** to 09.60 and **CR014** to 29.060 relating to Specification of the MSISDN Information Element

RESULT With the exception of the above 3 CRs ALL CRs APPROVED

NP-99349 Proposed corrections to GPRS CRs to GSM 09.60 and 29.060, in TDoc NP-99300. Presented by Nokia.

DISCUSSION **Note:** The CR was presented directly to CN Plenary and was not previously presented to the CN Working Groups for agreement.

Requirement for a statement on the Nature of address must always be international format

RESULT REVISED to NP-99378

NP-99378 rev. Proposed corrections to GPRS CRs to GSM 09.60 and 29.060, in TDoc NP-99300. Presented by Nokia and Nortel.

RESULT CRs APPROVED

NP-99302 Change Requests to 03.66, 09.02, 23.066, 29.002 on MNP Work Item

RESULT ALL CRs APPROVED

NP-99303 Change Requests to 03.79, 23.079 on Optimal Routeing Work Item

RESULT ALL CRs APPROVED

NP-99305 Change Requests to 09.02, 29.002 on SoLSA Work Item

RESULT ALL CRs APPROVED

NP-99307 **Change Requests to 03.79, 09.02, 10.02, 23.079, 29.002 on TE&I Work Item**
RESULT **ALL CRs APPROVED**

NP-99308 **Change Requests to 03.18, 03.79, 23.018, 23.079 on Call Deflection Work Item**
RESULT **ALL CRs APPROVED**

NP-99332 **CR's on Correction of Inhibiting Triggering Criteria.** Presented by Harald, Siemens.
DISCUSSION **Note:** The CR was presented directly to CN Plenary and was not previously presented to the CN Working Groups for agreement.
RESULT **ALL CRs APPROVED**

NP-99356 **List of Virtual CRs approved by E-Mail since TSG_CN4**
DISCUSSION Presented for information and completeness.

ACTION: MCC are to complete the list to include all WGs and correct the errors to be presented to CN mail exploder and the next TSG_N Plenary

RESULT **NOTED**

5.2.3.2 Approval of contributions from N2 – WIs

NP-99289 **Proposed Work Item for specification of the GLR for UMTS R99**

DISCUSSION **Note:** Revision of the original W.I to produce the GLR feasibility report to include stage 2/3 material
Impact on specifications (section x.13) will be modified no impact on 29.002 and 23.012 and will require a stand-alone Stage3 document

RULE: It is now the preferred method of TSG_CN to have separate Work Items for each part of the work ie. one WI for the feasibility and a separate WI for implementation of the feature the stage2/3 parts. The relationship between these two WI must be traced by MCC

RESULT **REVISED to NP-99370**

NP-99370 **Rev. Proposed Work Item for specification of the GLR for UMTS R99**

DISCUSSION Modification -Source should be NTT DoCoMo. - No impact on 23.012

RESULT **REVISED to NP-99383**

NP-99383 **Rev. Proposed Work Item for specification of the GLR for UMTS R99**

RESULT **REVISED WI APPROVED**

NP-99292 **Enhanced Work Item: Out-of-Band Transcoder Control**

DISCUSSION The above rule results in some modifications to the document.

Completion details missing. Impact on 24.008 hence dependent on TSG_CN1. Timescales for this part of the work is unknown to N2

Service impact hence requires SA

Section x.6 should reflect charging aspects

Section x.8 should reflect impacts Terminals and possible impacts on UTRAN

ACTION: Originators to produce a revised WI sheet to include the above comments presentation to TSG_CN#6

RESULT **REVISED to NP-99385**

NP-99385 **rev. Enhanced Work Item: Out-of-Band Transcoder Control**

RESULT revised document is **APPROVED**

NP-99286 **Work Item on Pre-Paging for R99**

DISCUSSION Modify to remove 23.008 as impacted specification
Timescale information will need to updated to reflect the above rule

RESULT **REVISED to NP-99386**

NP-99386 **rev. Proposed Work Item: Pre-Paging for R99**

RESULT revised document is **APPROVED**

NP-99290 **Revised Work Item: Super-Charger**

DISCUSSION In accordance with the above RULE the document will be modified to reflect the timing details

RESULT **REVISED to NP-99387**

NP-99387 **rev. Work Item: Super-Charger**

RESULT revised document is **APPROVED**

NP-99287 **New Work Item Proposal: Feasibility Technical Report on CAMEL Control of VoIP Services**

DISCUSSION Note: a draft of the feasibility report has already been produced.

This is R00 work and should be secondary priority over R99 CAMEL for N2A.

This will result in a revised completion date and presentation of the Feasibility report for the March-2000 TSG_N meeting

RESULT **REVISED to NP-99388**

NP-99388 **rev. Work Item: VoIP**

RESULT revised document is **APPROVED**

5.3 TSG-CN WG3 (N3)

5.3.1 Report from N3

NP-99280 **Status Report of TSG_N3 to CN Plenary.** Presented by Norbert, N3 Chairman.

DISCUSSION This document provides a status report of the last two N3 meetings including a joint N1/N3 meeting on multimedia. These meeting reports are presented for information in documents **NP-99352 / NP-99353 and NP-99354**

More information required on the conditions for the new DHCP PDP type

ACTION: N1 (N3?) are to study and provide clarity on the PDP context types and present their findings to the plenary

Comments on 4.3 transfer of specifications: All agreed

ACTION: MCC are to update the specifications in accordance to the comments from N3

CN Plenary agrees to continue with ETSI referencing in 3G specs as opposed to exchanging these for ITU references. This will be applied to all TSG_CN WGs

STATUS **DISCUSSED**

5.3.2 Questions for advice and decisions from N3

NP-99281 **All N3 LSs since TSG_CN#4.** Presented by Norbert

DISCUSSION Presented for Information

STATUS **NOTED**

5.3.3.1 Approval of contributions from N3 – CRs

NP-99282 **All N3 CRs on GPRS.** Presented by Norbert

STATUS **All CRs APPROVED**

NP-99283 **All N3 CRs on EDGE.** Presented by Norbert

STATUS **All CRs APPROVED**

NP-99284 **N3 CR on Service Clean up.** Presented by Norbert

DISCUSSION This does not complete Clean up as there are some outstanding CRs required to other specifications

ACTION: N3 are to provide the remaining clean up CRs for approval at the next CN Plenary

STATUS **CR APPROVED**

5.3.3.2 Approval of contributions from N3 – WIs

NP-99285 **All Work Items from N3 since TSG_CN#4.** Presented by Norbert

DISCUSSION The document includes W.I summary sheets for:

PIAFS – LS already sent to T2 for their information. Work to be defined and responsibility of N1 is yet to be fully defined **W.I APPROVED**

Circuit Switched Bearer Services – S2 have been invited to provide guidance to N3 on certain blocking points – Requires information in timescales **W.I APPROVED**

ACTION: N3 to provide an updated sheet with timescale information to the next CN plenary

Frame Tunnelling Mode – **W.I APPROVED**

ACTION: N3 to provide an updated sheet with timescale information to the next CN plenary

ACTION: DAB to provide the updated W.I sheet to be mailed to the CN exploder

STATUS **All WIs APPROVED**

5.4 TSG-CN SS Ad Hoc (NSS)

5.4.1 Report from NSS

NP-99323 **Status Report of TSG_NSS to CN Plenary.** Presented by Steffen, SS Ad Hoc Chairman.

DISCUSSION Provided for information

RESULT **NOTED**

NP-99322 **Meeting Report of TSG_NSS Meeting #2**

DISCUSSION Provided for information

RESULT **NOTED**

NP-99355 **Meeting Report of TSG_NSS Meeting #3.**

DISCUSSION Provided for information

RESULT **NOTED**

5.4.2 Questions for advice and decisions from NSS

NP-99325 **List of Liaison Statements from NSS** Presented by Steffen

DISCUSSION Presented for Information. The LSs are missing and will be provided in a revised document

RESULT **NOTED and will be REVISED to include LS documents**

NP-99330 **LS to S1 and S2 on User-to-User Signalling Enhancements from NSS**

DISCUSSION Add detail on which WGs are involved with which parts of this work.

RESULT **REVISED to NP-99365**

NP-99365 **Rev. LS on User-to-User Signalling Enhancements from NSS**

RESULT **LS ENDORSED to be sent by NSS**

NP-99324 **Liaison Statement to SPS1 on CR to GSM 09.14-A001 on correction regarding MPTY, CONF and 3PTY services** Presented by Steffen

DISCUSSION Includes a CR to 09.14 for approval by SMG3 and eventually SMG#30

LS to be sent for Public Enquiry of DEN/SPS-01047 v5 after SMG#30

RESULT **LS ENDORSED and CR APPROVED by SMG3**

5.4.3.1 Approval of contributions from NSS – CRs

NP-99309 **Change Requests to 03.78 and 23.072 - CAMEL phase 2.** Presented by Steffen

RESULT **2 CRs APPROVED**

NP-99310 **Change Requests to 03.97 and 23.097 - MSP phase 1.** Presented by Steffen

RESULT **2 CRs APPROVED**

NP-99311 **Change Requests to 03.72 and 23.072 for - Call Deflection.** Presented by Steffen

RESULT **2 CRs APPROVED**

NP-99326 **Change Requests to 23.082 for Pre-Paging.** Presented by Steffen

RESULT **CR APPROVED**

NP-99333 **Follow me; Stage 2** Presented by Steffen

DISCUSSION Provided for Information only

RESULT **NOTED**

6. Technical Co-ordination with others.

6.1 with other 3GPP TS-Groups

NP-99344 Liaison statement to TSG-R and TSG-S on freezing GSM Release 97 & Release 98

DISCUSSION Note this is a revised joint LS produced by N1 and N2 (Originally **NP99256** and **NP99293**)

Modify the LS to include TSG_T in the 'to' list and SMG to the 'cc' list

Remove C2 whilst enhancing C1 (adding significant ambiguity)

RESULT REVISE to NP-99361

NP-99361 Rev. LS on freezing GSM Release 97 & Release 98

RESULT LS APPROVED and sent to R/T and SA Plenaries (SP-99413)

NP-99351 Draft Report of 3GPP2 workshop on Hooks and Extension. Presented by TSG RAN Vice-Chairman

DISCUSSION Francois Courau briefly presented the document containing results of the two workshops on the implementation of OHG requirements.

However the document outlining the proposed allocation of work to the TSG_CN working groups was not included in the file. Francois Courau indicated that only some timer-values need reconsideration if 3GPP2 RAN is attached to 3GPP CN.

RESULT REVISED to NP-99379 to include the missing files

NP-99379 Rev. Draft Report of 3GPP2 workshop on Hooks and Extension

RESULT NOTED

6.2 with other bodies, e.g. ETSI/SMG

6.3 with ITU-T

NP-99253 MEETING REPORT – ITU-T SG11 JQG REVIEW. Presented by Yun-Chao Hu

Content: ITU-T SG11 Joint Question Group (JQG) meetings have been held in Ottawa (Canada), 9-11 September 1999. The first priority of these JQG meetings were to review the input contributions addressing the input references to the ITU-R M.[IMT.RSPC] and focused on the radio independent parts (i.e. Layer 2 - LAC layer and Layer 3 MM & CC). The input 3GPP/SDOs radio interface specifications were:

- ◆ 3GPP TSG RAN Specifications
- ◆ 3GPP TSG CN Specifications
- ◆ TIA TR45.5 LAC specification
- ◆ TIA TR45.5 Layer 3 specification
- ◆ ETSI DECT specification

The ITU-T JQGs performed the review focused on their responsibility areas (i.e. LAC Layer, Service Control, Mobility Management and Call & Bearer Control). The general comment is the following:

“ITU-T SG11 believes that the submitted DECT, cdma2000, WCDMA radio interface specifications covers the essential functionality described in the ITU-T (draft) Recommendations Q.1701, Q.1711, Q.1721 and Q.1731.2.”

DISCUSSION The document is immediately put in relation to NP-99 334.

Nicola Pio MAGNANI of the ITU_R Ad hoc Group in RAN provided comments ITU_R will have no direct references to 3GPP documents instead ITU_R will reference the relevant SDO documents. Relates to **NP-99334** and the document provided to the ITU-T by N1 (**NP-99373**)

RESULT NOTED

NP-99373 Contribution to ITU-R TG8/1 “Radio technology Independent Specifications (Layer 3)” in 3GPP. Presented by Yun Chao Hu

DISCUSSION Minor Editorial and reference changes

RESULT REVISE to NP-99376

NP-99376 Contribution to ITU-R

RESULT ENDORSED and input to TSG_RAN meeting

6.4 with ITU-R

NP-99334 Meeting Report- ITU and REPRESENTATIVES OF EXTERNAL ORGANIZATIONS IN PREPARATION OF THE TERRESTRIAL COMPONENT OF RECOMMENDATION IMT.RSPC. Presented by Nicola Pio MAGNANI

DISCUSSION Presentation of an example document. It should be noted that N1 have already provided a list of Radio Independent specifications for use in the ITU_T (**NP-99373**). This is to be presented to TSG_N and presented to TSG_RAN

RESULT NOTED

NP-99337 ITU-T / TSG_CN Ad Hoc Group. Presented by Yun-Chao Hu

DISCUSSION CN are asked to endorse the ToR and participate in this ITU-T Ad Hoc group. This group should also include SA. The ToR and scope of this document should be modified to reflect this.

There is an existing Liaison group in TSG_RAN dealing with ITU_R, and the proposed ITU_T Ad Hoc should use similar procedures.

This document should include some procedural details (as used by RAN)

CN ENDORSE the creation of the ITU_T Ad Hoc Group

Contact Person / Chairman for this group agreed as

A revised document including the group details is to be produced

Note: it is CN that decides on policy with regards to ITU_T, and the ITU_T Ad Hoc acts as a communications channel presenting only approved 3GPP positions to ITU-T.

Masami Yabusaki will act as the contact person/chairman of the ITU_T Ad hoc

RESULT REVISED to NP-99390 and AGREED for presentation to SA Plenary (SP-99467) and awaiting formal approval by TSG_CN.

NP-99338 Proposal Liaison to ITU-T, SG-11 to request OID value for 3GPP in the codec information field Presented by Ian Park

DISCUSSION 3GPP N2 ask that ITU-T allocate an Organisation ID value for 3GPP defined codecs in the codec information field.

This proposal should be aligned within the TSG_CN working groups

RESULT Endorse the Liaison to be sent by the ITU_T Ad Hoc

NP-99339 Response Communication to ITU-T SG11. Presented by Ian Park

DISCUSSION Note: CN has no agreed position on NNI. The document should be redrafted to reflect this

RESULT REVISED to NP-99375

NP-99375 rev. Response Communication to ITU-T SG11. Yun Chao Hu

DISCUSSION Textual changes

RESULT REVISED to NP-99391

NP-99391 rev. Response Communication to ITU-T SG11. Yun Chao Hu

RESULT LS AGREED

NP-99329 ROADMAP DOCUMENT ITU-T IMT-2000. Presented by Harald due to absence of other volunteers

DISCUSSION This document describes the requirements for 3G IMT-2000 networks and also introduces the concept of the IMT-2000 Family System and esp. Lists of the specifications of the various family members.

RESULT REVISED to NP-99374

NP-99374 Rev. ROADMAP DOCUMENT ITU-T IMT-2000. Yun-Chao Hu

DISCUSSION Removal of ASCII specs and insertion of 29.013
ITU_T ad Hoc group liase with ITU_R ad hoc will ensure the document is sent to ITU-T
TSG_SA has to answer the general question on how to treat the GSM ASCII feature related specifications.

RESULT REVISED to NP-99393

NP-99393 Rev. ROADMAP DOCUMENT ITU-T IMT-2000.

RESULT APPROVED

7 Project Management

7.1 WI's in TSG-CN and its groups /

7.2 Review of work programme for TSG_CN /

Refinement on scope Release '99 Project co-ordination (S2)

NP-99318 Current status of the IGCs. Presented by Harald

DISCUSSION N1 have provided input to the project plans
N3 have nominated contact people to IGC where they have activity and provided initial comments
N2 have yet to digest the documents
SS Ad Hoc should have input to services ICG and provide input

ACTION: CN Working groups to provided serious consideration to IGC input

RESULT NOTED

NP-99350 Concentrating TSG-CN efforts to complete Release 99 work areas. Presented by Mikko, NOKIA

RESULT NOTED

NP-99IDOIG Overview of the Proposed 3GPP Work Program Database. Presented by Ian

DISCUSSION The document contains an overview of the mechanisms how specifications, work items, CRs are linked via the planned MCC database.

NOTE that the system is not complete and is under development

RESULT NOTED

7.3 Specifications in TSG-CN's domain

NP-99360 Specifications within TSG_CN. Presented by Harald

DISCUSSION Lists the specifications presently under the CN remit. Revised from **NP-99312** and **NP-99320**

The document was presented on-line and comments accepted. The document shows the specifications under 2G and 3G as well as rapporteur information for some specifications

ACTION: Delegates are asked to propose rapporteurs for the CN specifications

As a result of the discussion a number of specifications are proposed for transfer from TSG_CN and its WGs to other TSGs

ACTION: Harald to confirm the transfer of responsibility the identified specifications from TSG_CN to the relevant TSGs

Also CN proposed modifications to specifications that have been transferred to 3G.

ACTION: MCC to ensure the transfer of the specifications from 3G to GSM

ACTION: DAB to insert 3G version information to specs. after TSG_N#5

The discussions and decisions on the ASCII features are detailed in NP-99384 (SP-99463), Also 'Follow Me' was felt to be an ASCII feature because it has so many security related health warnings, and is not very suitable for general public.

"With regard to the ASCII features TSG_CN has the following position:

EMLPP	following SA decision
VGCS	GSM only
VBS	GSM only
FM	GSM only

RESULT REVISED to NP-99384 (SP99463)

NP-99284 Rev. TSG_CN Maintenance for GSM Specifications.

RESULT ENDORSED in general, guidance sought from TSG_SA for the GSM ASCII specs.

NP-99359 TSG_CN Maintenance for GSM Specifications. Presented by Harald

DISCUSSION TSG_CN is willing to take the maintenance responsibility for GSM specifications which are in the domain of ETSI SMG/SMG3 and which are not common specifications.

Modified text

RESULT REVISED to NP-99392 and agreed for presentation to SA Plenary

NP-99252 Expected Specification and Reports approval dates. Not Presented

RESULT WITHDRAWN

7.4 Working methods / Work Style

NP-99362 Continuation of VHE/OSA in R'99. Presented by Yun-Chao Hu

DISCUSSION Comments that the proposed timetable is not realistic for R99, and this work will use limited CN resources.

It is agreed that CN be responsible for this WI

Note: SA have not yet approved the Stage1/2 material

Requirement for an initial OSA Ad Hoc meeting – with the scope of reviewing the material of S1/S2 and analysis of the status and resource/expertise requirements to CN.

Agreement to hold an Ad-hoc meeting on OSA issues, to be hosted by Ericsson. 3-4th November. The objective of this Ad-hoc meeting is:

- Assessment of all available input material;
- Identification of the CN relevant part(s) of VHE/OSA;
- Define work plan;
- Refine/define ToR for the CN relevant OSA parts.

This ad-hoc meeting to report back to the next CN plenary and further decisions from there.
No ongoing R99 activity shall be delayed because of this ad-hoc initiative."

RESULT Principles **ENDORSED**

8 Future Meetings

NP-99317 **CN Meeting Dates for 2000.** Presented by Harald

DISCUSSION Some meeting locations are still to be agreed.

In addition to these dates there will be a start-up meeting for the CN IP Ad Hoc group which is tentatively planned for the first week of February 2000.

TSG_CN meeting #6 is to be held in Nice, France on the 13th to 15th December 1999.

RESULT **Meeting Dates ENDORSED**

9 Any other Business

10 Close of Meeting

Harald brought the meeting to a close, and thanked the organisers T.T.A for the excellent facilities that they had provided for the meeting. The delegates were also thanked for their participation, as well as the MCC support team for their continuing work.

After the cloture of the TSG_CN meeting the chairman allowed a brief pause for refreshment and the changing of hats, before convening the SMG3 meeting. The discussion of this meeting is provided in ANNEX D.

ANNEX A: OUTPUT MATERIAL

A.1 Liaison Statements

The following Liaison Statements will be sent from the TSG_CN Meeting:

DOC	Subject	To	STATUS
NP-99361	Freezing GSM Release 97 & Release 98	TSG_R, S and T	Sent R, T and S
NP-99376	Contribution to ITU-R TG8/1 "Radio technology Independent Specifications (Layer 3)" in 3GPP	TSG_R	Sent to R
NP-99338	Proposal Liaison to ITU-T, SG-11 to request OID value for 3GPP in the codec information field	ITU_T SG-11	ITU_T Ad Hoc to forward the LS
NP-99381	LS to TSG_S on 03.60	TSG_SA	Sent to SA

A.2 Work Items

The following Work Items were agreed by TSG_CN:

DOC	Work Item Subject	Proposed	Type
NP-99346	Revised WI for Turbo-charger Feasibility Study	N1	Revised
NP-99285	PIAFS - PHS Internet Access Forum Specification	N3	New
NP-99285	Circuit Switched Bearer Services	N3	New
NP-99285	Frame Tunnelling Mode	N3	New
Rev NP-99370	GLR for UMTS R99	N2	New
Rev NP-99292	Out-of-Band Transcoder Control	N2	New
Rev NP-99286	Pre-paging	N2	New
Rev NP-99290	Super charger	N2	New
Rev NP-99287	CAMEL Control of VoIP	N2	New

A.3 New Specifications / Technical Reports

The following specifications / technical report were approved by TSG_CN:

DOC	Subject	Source
NP-99288	Technical report on Out-of-band transcoder control - 23.911	No Source information
NP-99377	Technical report on Super-Charger - 23.912	Ian Sharp, Nortel Networks

Annex B: Participants List for CN3#5

	<i>Person's name:</i>	<i>E-mail</i>	<i>Organisation</i>
1	Mr. Jae-Young Ahn	jyahn@nice.etri.re.kr	ETRI
2	Miss Ban Al -Bakri	ban.albakri@etsi.fr	ETSI
3	Mr. Nigel H Berry	nhberry@lucent.com	Lucent Technologies N. S. UK
4	Mr. Olavi Blomberg	olavi.blomberg@sonera.com	SONERA Corporation
5	Mr. David Boswarthick	david.boswarthick@etsi.fr	ETSI
6	Mr. Harald Dettner	harald.dettner@icn.siemens.de	SIEMENS AG
7	Mr. Habib Djandji	habib.djandji@philips.com	PHILIPS Consumer Communication
8	Mrs. Touria Gargari	touria.w.gargari@telia.se	TELIA AB
9	Mr. Steffen Habermann	steffen.habermann@t-mobil.de	Deutsche Telekom MobilNet
10	Mr. Eric Hamel	eric.hamel@cnet.francetelecom.fr	France Telecom
11	Mr. Stephen Hayes	stephen.hayes@ericsson.com	Ericsson Inc.
12	Mrs. Monica Hellman	monica.hellman@etsi.fr	ETSI
13	Mr. Hannu Hietalahti	hannu.hietalahti@nokia.com	NOKIA Corporation
14	Mr. Thomas Holm	thrho@tdk.dk	TELE DANMARK A/S
15	Mr. Yun-Chao Hu	erayunc@era.ericsson.se	ERICSSON LM
16	Mr. Masakazu Ishihara	ishihara@mcs.abk.nec.co.jp	NEC Corporation
17	Mr. Seppo Junninen	seppo.junninen@hpy.fi	Finnet Group
18	Mr. Mikko Kanerva	mikko.kanerva@nokia.com	NOKIA Corporation
19	Mrs. Gun-Woo Kim	kgw@halla.dacom.co.kr	DACOM Corporation
20	Mr. Jae Beom Kim	palos@lgic.co.kr	LGIC
21	Mr. Jong Ik Kim	Kimji1@telecom.samsung.co.kr	Samsung Electronics Co., Ltd
22	Mr. Young Jin Kim	yjkim2@telecom.samsung.co.kr	Samsung Electronics Co., Ltd
23	Mr. Norbert Klehn	norbert.klehn@icn.siemens.de	SIEMENS AG
24	Mr. Peter Kobriger	eedpek@eed.ericsson.se	ERICSSON L.M.
25	Mrs. Evelyne Le Gall	evelyne.legall@cegetel.fr	CEGETEL
26	Mr. Hong-seok Lee	kamalee@lgic.co.kr	LGIC
27	Mr. Ki-Jun Lee	leekj@halla.dacom.co.kr	DACOM Corporation
28	Mr. Yong-Jin Lim	yjlim@lgtel.co.kr	LG TeleCom., Ltd
29	Mr. Patrick Lohat	patrick.lohat@alcatel.fr	ALCATEL France
30	Mr. Steve Mecrow	steve.mecrow@bt.com	BT
31	Mr. Sumio Miyagawa	miyagawa@twics.com	Siemens K.K.
32	Mr. Akishige Noda	noda@ss.ts.fujitsu.co.jp	Fujitsu Limited
33	Miss Mina Oh	omn@mail.n016.co.kr	KOREA TELECOM FREETEL
34	Mr. Kwang Jin Paek	kjpaek@kt.co.kr	KOREA TELECOM CORP.

35	Mr.	Ian David	Park	ian.park@vf.vodafone.com	VODAFONE Group Plc
36	Mr.	Adel	Rouz	a.rouz@fujitsu.co.uk	FUJITSU Europe Telecom R & D C
37	Mr.	Gary	Schlanger	schlanger@att.com	AT&T Corp.
38	Mr.	Iain	Sharp	isharp@nortelnetworks.com	NORTEL NETWORKS (EUROPE)
39	Mr.	Jae	Shin	sjs@amadeus.etri.re.kr	ETRI
40	Mr.	Takeshi	Sugiyama	sugiyama@nw.yrp.nttdocomo.co.jp	NTT DoCoMo
41	Mr.	Walter	Tamminen	walt.tamminen@nokia.com	Nokia Telecommunications Inc.
42	Mr.	Toshiyuki	Tamura	tamura@e1sf.ncos.nec.co	NEC Corporation
43	Mr.	Naoki	Tani	tani@nw.yrp.nttdocomo.co.jp	NTT DoCoMo
44	Mr.	Henry C.	Taylor	henry.taylor@bt.com	BT
45	Mr.	Stefan	Toth	stefan.toth@erv.ericsson.se	ERICSSON L.M.
46	Mr.	Artur	Veloso	a.veloso@alcatel.de	ALCATEL SEL AG
47	Mr.	Randolph	Wohlert	rwohlert@tri.sbc.com	Pacific Bell Wireless

Annex C: List of Documents

NP-99250	CN#5 Meeting Agenda	CN Chairman
NP-99251	Maintenance of earlier releases of 2G GSM versions of specifications	MCC
NP-99252	Expected Specification and Reports approval dates	MCC
NP-99253	MEETING REPORT – ITU-T SG11 JQG REVIEW	Ericsson
NP-99254	LS on Location Area concept	S2
NP-99255	Scope of CAMEL Phase 3 R99	N2
NP-99256	freezing of R97 and R98	N1
NP-99257	Re: LS on Location Area concept	N1
NP-99258	Re: to Re: LS on Location Area concept	S2
NP-99259	XID collision corrections	N1
NP-99260	XID collision corrections	N1
NP-99261	XID collision corrections	N1
NP-99262	Freezing Release 97 and Release 98	N1
NP-99263	N1 status report	N1
NP-99264	LS from SMG2	N1
NP-99265	3GPP Programme Management for R99 and R2000	BT
NP-99266	Chairman report of CN1#7 meeting	N1
NP-99267	All CRs from N1 since CN#4 to W.I - ASCI	N1
NP-99268	All CRs from N1 since CN#4 to W.I - GPRS	N1
NP-99269	All CRs from N1 since CN#4 to W.I - EDGE	N1
NP-99270	All LSs from N1 since CN#4	N1
NP-99271	CN Work Item List	MCC
NP-99272	Proposed Work Item: The Turbo-Charge	N1
NP-99273	Using MM sublayer for PS-SMS message transfer (to harmonise all releases)	N1
NP-99274	Paging Response as a MM message (to harmonise all releases)	N1
NP-99275	Liaison statement to N1 on the revised work item description for out-of-band transcoder control	N1
NP-99276	CR to 29.018 Clarify that no acknowledgement is made for TMSI deallocation	N1
NP-99277	CR to 09.18 Clarify that no acknowledgement is made for TMSI deallocation	N1
NP-99278	CR to 09.18 Clarify that no acknowledgement is made for TMSI deallocation	N1
NP-99279	CR to 29.018 Clarify that no acknowledgement is made for TMSI deallocation	N1
NP-99280	N3 status report	N3
NP-99281	All LSs from N3 since CN#4	N3
NP-99282	All CRs from N3 since CN#4 to W.I - GPRS	N3
NP-99283	All CRs from N3 since CN#4 to W.I - EDGE	N3
NP-99284	All CRs from N3 since CN#4 to W.I - Service Clean-up R99	N3
NP-99285	Work Items from N3	N3
NP-99286	Proposed Work Item: Pre-Paging for R99	N2
NP-99287	New Work Item: Feasibility Technical Report on CAMEL Control of VoIP Services	N2
NP-99288	Technical report on Out-of-band transcoder control	N2
NP-99289	Proposed Work Item for specification of the GLR for UMTS R99	N2
NP-99290	Revised Work Item: Super-Charger	N2
NP-99291	Technical report on Super-Charger	N2
NP-99292	Enhanced Work Item: Out-of-Band Transcoder Control	N2
NP-99293	Freezing GPRS Release 97 & Release 98	N2
NP-99294	Freezing CAMEL Phase 1 & CAMEL Phase 2 Release 97 & Release 98	N2
NP-99295	N1 task list for GSM-UMTS	N1
NP-99296	CR005 24.065 Reset cancels outstanding requests	N1
NP-99297	All CRs from N2 since CN#4 to W.I - UUS	N2
NP-99298	All CRs from N2 since CN#4 to W.I - CAMEL	N2
NP-99299	All CRs from N2 since CN#4 to W.I - eMLPP	N2
NP-99300	All CRs from N2 since CN#4 to W.I - GPRS	N2
NP-99301	All CRs from N2 since CN#4 to W.I - IST	N2
NP-99302	All CRs from N2 since CN#4 to W.I - MNP	N2

NP-99303	All CRs from N2 since CN#4 to W.I - Optimal Routeing	N2
NP-99304	All CRs from N2 since CN#4 to W.I - Pre-paging	N2
NP-99305	All CRs from N2 since CN#4 to W.I - SoLSA	N2
NP-99306	All CRs from N2 since CN#4 to W.I - SSN Allocation	N2
NP-99307	All CRs from N2 since CN#4 to W.I - TEI	N2
NP-99308	All CRs from N2 since CN#4 to W.I - Call Deflection	N2
NP-99309	All CRs from SS Ad Hoc since CN#4 to W.I - CAMEL	SS Ad Hoc
NP-99310	All CRs from SS Ad Hoc since CN#4 to W.I - MSP P.1	SS Ad Hoc
NP-99311	All CRs from SS Ad Hoc since CN#4 to W.I - Call Deflection	SS Ad Hoc
NP-99312	Allocation of Specifications to CN Working Groups	MCC
NP-99313	CN Plenary Meeting #4 - Meeting Report	MCC
NP-99314	N2 status report	N2
NP-99315	All LSs from N2 since CN#4	N2
NP-99316	New ASN.1 Syntax Checking Service from PTCC	OGC/PEX
NP-99317	CN Meeting Calendar for 2000	MCC
NP-99318	Current status of the IGC Project Plans (includes 6 p.plans)	MCC / S2
NP-99319	Powerpoint presentation on LCS	S Hayes
NP-99320	GSM Specification 01.01	MCC/Ian Doig
NP-99321	3GPP Specification 21.101 V 0.3.0	MCC/Ian Doig
NP-99322	Meeting Report	ETSI MCC
NP-99323	Summary report of TSG CN SS ad hoc	TSG CN SS ad hoc chairman
NP-99324	LS to SPS1 on CR to GSM 09.14-A001 on correction regarding MPTY, CONF and 3PTY services	TSG CN SS ad hoc chairman
NP-99325	Output Liaison Statements since CN#4	SS ad hoc
NP-99326	Change Requests to 23.082; Work Item PrePaging	SS ad hoc
NP-99327	Review assessment of the WCDMA Radio Interface; Radio Technology Independent Parts	Chairman, ITU-T WP3/11
NP-99328	PLMN Selection for GPRS Mobile	CN1
NP-99329	ROADMAP DOCUMENT ITU-T IMT-2000	ERICSSON LM
NP-99330	Proposed LS on User-to-User Signalling Enhancements Reserved Stephen hab	CN1
NP-99331	CN1#7 Meeting Report	
NP-99332	CR 03.78	SIEMENS
NP-99333	Follow me Stage 2	MCC
NP-99334	IMT.RSPC Preparation	ITU
NP-99335	Agreed ASCI CRs in CN1 meetings	TSGN WG1
NP-99336	MS class-mark Technical Report	Fujitsu
NP-99337	ITU-T Ad Hoc	Ericsson LM
NP-99338	Proposal to ITU T SG 11 to request OID value for 3GPP in the CODEC information field	Ericsson on behalf of NWG2
NP-99339	Response communication to ITU-T SG11	TSG N WG2
NP-99340	N2A Meeting Report, Issy-Les Moulineaux, 23-24/6/çç	MCC
NP-99341	N2 Meeting Report, Visby	MCC
NP-99342	N2B Meeting Report, Stockholm	MCC
NP-99343	N2 Meeting Report, Abiko	MCC
NP-99344	Proposed LS to TSG R & TSGs on freeing GSM Release 97 & Release 98	N1 Chairman & N2 Chairman
NP-99345	WITHDRAWN N2#7 TO #9 Meeting report	MCC
NP-99346	Revised Work Item: Turbo-Charger	Nortel
NP-99347	Draft Technical report. Turbo Charger	Nortel
NP-99348	Proposed corrections to the Super-Charger Report	Nokia
NP-99349	Proposed corrections to GPRS CRs to GSM 09.60, in TDoc NP-99300	Nokia
NP-99350	Concentrating TSG-CN efforts to complete Release 99 work area	Nokia
NP-99351	Draft Report of 3GPP2 workshop on Hooks and Extension	TSG RAN Vice-Chairman
NP-99352	CN3#4 Meeting Report	CN3

NP-99353	CN3#5 Meeting Report	CN3
NP-99354	Joint Meeting Report CN1& & CN3	CN3
NP-99355	TSG CN SS ad hoc meeting Report#3	SS
NP-99356	Decision completeness for virtual CR approved by e-mail after TSG CN#4	CN2
NP-99357	Technical report on Super-Charger (revised)	Nortel
NP-99358	Output Liaison Statements since CN#4	SS ad hoc
NP-99359	CN Maintenance for GSM Specifications	CN Chairman
NP-99360	Specifications in TSG-CN	CN Chairman
NP-99361	Liaison statement on freezing GSM Release 97 & Release 98	CN
NP-99362	Continuation of VHE/OSA in Release 99	Ericsson
NP-99363	Response to N2 LS on Tandem Free and Out of Band Transcoder Control	TSG-S4
NP-99364	N2 status report	N2
NP-99365	LS on User-to-User Signalling Enhancements Reserved Stephen hab	CN1
NP-99366	Terminology and vocabulary in 3GPP	
NP-99367	Additional GPRS CRs	CN1
NP-99368	Rev CN Work Item List	MCC
NP-99369	Rev Allocation of Specifications to CN Working Groups	MCC
NP-99370	Rev Proposed Work Item for specification of the GLR for UMTS R99	N2
NP-99371	STATUS REPORT OF 3GPP TSG CN WG1 / ETSI SMG3 WPA DOCUMENTS	CN1 Chairman
NP-99372	LS to SA	Chairman
NP-99373	Contribution to ITU-R TG8/1 "Radio technology Independent Specifications (Layer 3)" in 3GPP"	Chairman TSG_CN
NP-99374	Additions to the ITU-T Q.1701 Supplement Roadmap	Yun-Chao Hu (LM Ericsson AB)
NP-99375	Revision Response Communication to ITU-T SG11	LM Ericsson (Yun Chao Hu)
NP-99376	Contribution to ITU-R TG8/1 "Radio technology Independent Specifications (Layer 3)" in 3GPP"	Chairman TSG_CN
NP-99377	Approved version of Supercharger TR	Nortel
NP-99378	Revision of 349 GPRS CRS on MSISDN	Nortel
NP-99379	Draft Report of 3GPP2 workshop on Hooks and Extension	TSG RAN Vice- Chairman
NP-99380	Rev CN Work Item List	MCC
NP-99381	LS to SA on 03.60	CN
NP-99382	LS from S1 on CAMEL Phase 3 Split	TSG SA1
NP-99383	Rev Proposed Work Item for specification of the GLR for UMTS R99	N2
NP-99384	Rev Specifications in TSG-CN	CN Chairman
NP-99385	Rev Enhanced Work Item: Out-of-Band Transcoder Control	N2
NP-99386	Rev Proposed Work Item: Pre-Paging for R99	N2
NP-99387	Rev. Revised Work Item: Super-Charger	N2
NP-99388	Rev. New Work Item Proposal: Feasibility Technical Report on CAMEL Control of VoIP Services	N2
NP-99389	Rev. Proposed LS to TSG R & TSGs on freeing GSM Release 97 & Release 98	N1 Chairman & N2 Chairman
NP-99390	Rev. ITU-T Ad Hoc	Ericsson LM
NP-99391	Rev. Revision Response Communication to ITU-T SG11	LM Ericsson (Yun Chao Hu)
NP-99392	Rev. CN Maintenance for GSM Specifications	CN Chairman
NP-99393	Rev. Additions to the ITU-T Q.1701 Supplement Roadmap	Yun-Chao Hu (LM Ericsson AB)
NP-99394	reserved MCC	MCC
NP-99395	TSG CN#5 Meeting Report	MCC
NP-99396	TSG CN#5 Meeting Report (revised with comments)	MCC

ANNEX D List of CRs Approved by TSG_CN#5

To be provided once the CR database has been produced for all of the TSG groups

CR	Rev	Cat	Doc	WG	Old	New	Subject	Status
23.003 : Numbering, Addressing and Identification								
007	1	A	NP-99300	N2	3.1.3	3.2.0	ASCII coding of <MNC> and <MCC> in APN OI	approved
008		B	NP-99306	N2	3.1.3	3.2.0	SSN allocation for RANAP,RNSAP	approved
23.008 : Organisation of subscriber data								
002	1	B	NP-99301	N2	3.0.0	3.1.0	IST for non-CAMEL subscribers	approved
23.016 : Subscriber data management - Stage 2								
003	1	B	NP-99301	N2	3.0.0	3.1.0	IST for non-CAMEL subscribers	approved
23.018 : Basic Call Handling - Technical realisation								
002	4	B	NP-99304	N2	3.1.0	3.2.0	Addition of the description for Pre-paging	approved
006		A	NP-99298	N2	3.1.0	3.2.0	Removal of TDP-Criteria from RCH	approved
007	1	A	NP-99298	N2	3.1.0	3.2.0	GMSC CAMEL Phases in PRN	approved
023		A	NP-99308	N2	3.1.0	3.2.0	Separation of success & failure cases for OR of	approved
024		A	NP-99298	N2	3.1.0	3.2.0	Notification of CF to gsmSCF before activation of	approved
23.034 : High Speed Circuit Switched Data (HSCSD) - Stage 2								
001	1	B	NP-99269	N1	3.0.0	3.1.0	due to asymmetry for ECSD	approved
23.066 : Support of GSM Mobile Number Portability (MNP) stage 2								
001		A	NP-99302	N2	3.0.0	3.1.0	Harmonisation of terminology	approved
002		A	NP-99302	N2	3.0.0	3.1.0	Proposed changes to B.4.2 Delivery of SMS to a	approved
003		A	NP-99302	N2	3.1.0	3.2.0	Clarification of NPLR functionality in not known	approved
23.072 : Call Deflection Supplementary Service - Stage 2								
001		F	NP-99239	NS	3.0.0	3.1.0	Inclusion of the SS Invocation Notification	approved
003		A	NP-99241	NS	3.0.0	3.1.0	Separation of success & failure cases for OR of	approved
23.078 : CAMEL Stage 2								
019		A	NP-99298	N2	3.1.0	3.2.0	Inclusion of the SS Invocation Notification	approved
021		A	NP-99298	N2	3.1.0	3.2.0	Removal of TDP-Criteria from RCH	approved
022	1	A	NP-99298	N2	3.1.0	3.2.0	GMSC CAMEL Phases in PRN	approved
023	1	A	NP-99298	N2	3.1.0	3.2.0	Cal Reference Number	approved
025		A	NP-99298	N2	3.1.0	3.2.0	Clarification on handling of Call Reference	approved
027		A	NP-99298	N2	3.1.0	3.2.0	Value of Call Active parameter in ACR operation -	approved
028		A	NP-99298	N2	3.1.0	3.2.0	Corrections of process gsm SSF SDL	approved
029		A	NP-99298	N2	3.1.0	3.2.0	Alignment of CAMEL2 FCI & Handling of CIR	approved
23.079 : Support of optical routing - Phase 1 - Stage 2								
001		A	NP-99307	N2	3.1.0	3.2.0	OR Capability IE in PRN	approved
003		A	NP-99298	N2	3.1.0	3.2.0	Removal of TDP-Criteria from RCH	approved
005	1	A	NP-99308	N2	3.1.0	3.2.0	Separation of success & failure cases for OR of	approved
006		A	NP-99298	N2	3.1.0	3.2.0	Notification of CF to gsmSCF before activation of	approved
007		A	NP-99303	N2	3.1.0	3.2.0	Handling of Release during forwarding	approved

CR	Rev	Cat	Doc	WG	Old	New	Subject	Status
23.082 : Call Forwarding (CF) Supplementary Services - Stage 2								
001		B	NP-99326	NS	3.0.0	3.1.0	Addition of the description related to Pre-Paging	approved
23.097 : Multiple Subscriber Profile (MSP); Stage 2								
001		D	NP-99240	NS	3.0.0	3.0.1	Various editorial corrections	approved
24.007 : Mobile Radio Interface Signalling Layer 3 - General Aspects								
002	1	A	NP-99268	N1	3.0.0	3.1.0	Addition of LL-STATUS_IND	approved
24.008 : Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3								
002		A	NP-99268	N1	3.0.1	3.1.0	Addition of 3rd MNC digit in Routing Area	approved
004		F	NP-99268	N1	3.0.1	3.1.0	GMM attempt counters	approved
005		F	NP-99268	N1	3.0.1	3.1.0	Cell change during GPRS Detach procedure	approved
006		F	NP-99268	N1	3.0.1	3.1.0	RA change in	approved
007		F	NP-99268	N1	3.0.1	3.1.0	non power down cause detach during attach	approved
008		A	NP-99268	N1	3.0.1	3.1.0	Receive N-PDU Number list IE padding bits	approved
009		A	NP-99268	N1	3.0.1	3.1.0	PDP context deactivation caused by LLC failure	approved
010	1	F	NP-99268	N1	3.0.1	3.1.0	CM request and combined GMM procedures	approved
011	1	A	NP-99268	N1	3.0.1	3.1.0	T3212 restart after GPRS detach (marked as 031	approved
012		F	NP-99268	N1	3.0.1	3.1.0	Changing Call Mode	withdrawn
013	1	F	NP-99268	N1	3.0.1	3.1.0	TMSI status indication	approved
014	1	B	NP-99269	N1	3.0.1	3.1.0	due to asymmetry for ECSD	approved
015		F	NP-99268	N1	3.0.1	3.1.0	RAU Complete not returned for TMSI	approved
016		F	NP-99268	N1	3.0.1	3.1.0	Clarification of the Detach Type "re-attach	approved
018		B	NP-99268	N1	3.0.0	3.1.0	Addition of Access Point Name in Request PDP	approved
019	1	A	NP-99268	N1	3.0.1	3.1.0	CR clash in sec. 4.7.3.2.6	approved
020		F	NP-99268	N1	3.0.1	3.1.0	CR clash in sec. 4.7.3.2.3.2 and 4.7.5.2.3.2	approved
021	1	A	NP-99268	N1	3.0.1	3.1.0	T3212 restart after RAU reject	approved
022		A	NP-99268	N1	3.0.1	3.1.0	New State	approved
023		A	NP-99268	N1	3.0.1	3.1.0	Deactivate AA PDP context request message	approved
024	2	A	NP-99268	N1	3.0.1	3.1.0	Coding Scheme in Network Name IE	approved
025		A	NP-99268	N1	3.0.1		Paging Response as a MM message	postponed
028	1	B	NP-99269	N1	3.0.1	3.1.0	MS RADIO ACCESS CAPABILITY IE DUE TO	approved
27.001 : General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)								
002		B	NP-99283	N3	3.1.0	3.2.0	Asymmetry in EDGE	approved
003		F	NP-99283	N3	3.1.0	3.2.0	EDGE related Correction	approved
27.060 : GPRS Mobile Stations supporting GPRS								
005		A	NP-99282	N3	3.1.0	3.2.0	AT Commands	approved
29.002 : Mobile Application Part (MAP)								
021		A	NP-99298	N2	3.1.0	3.2.0	Clarification on VLR CAMEL Subscription Info	approved
022		A	NP-99298	N2	3.1.0	3.2.0	Clarification on Destination Number Criteria	approved
023		A	NP-99298	N2	3.1.0	3.2.0	Removal of TDP criteria from RCH	approved
024	1	A	NP-99298	N2	3.1.0	3.2.0	GMSC CAMEL Phase 2 support IE in PRN	approved
025		A	NP-99300	N2	3.1.0	3.2.0	Corrections related to GGSN-HLR interface	approved
026		A	NP-99307	N2	3.1.0	3.2.0	OR Capability IE in PRN	approved
027	2	B	NP-99304	N2	3.1.0	3.2.0	Addition of the information elements and the	approved
028		A	NP-99299	N2	3.1.0	3.2.0	Clarification on registration of a default priority	approved
029	1	B	NP-99301	N2	3.1.0	3.2.0	IST for non-CAMEL subscribers	approved
034		A	NP-99300	N2	3.1.0	3.2.0	Update Location handling for GPRS-only	approved

CR	Rev	Cat	Doc	WG	Old	New	Subject	Status
035		A	NP-99300	N2	3.1.0	3.2.0	Correction of OP & AC definitions for	approved
036		A	NP-99297	N2	3.1.0	3.2.0	Removal of redundant information from RCH	approved
042		A	NP-99298	N2	3.1.0	3.2.0	Clarification on supported CAMEL phases in ISD	approved
29.002 : Mobile Application Part (MAP) - continued								
043	1	A	NP-99300	N2	3.1.0	3.2.0	Addition of exception handling to the	approved
044		A	NP-99305	N2	3.1.0	3.2.0	Editing error corrections on VLR capabilities	approved
046		A	NP-99307	N2	3.1.0	3.2.0	Clarification of LR-REJECT cause corresponding	approved
047		A	NP-99302	N2	3.1.0	3.2.0	Clarification of returning the MSISDN in SRIack	approved
29.007 : General requirements on Interworking between the PLMN and the ISDN or PSTN								
002		C	NP-99284	N3	3.1.0	3.2.0	R99 Service clean up	approved
003		F	NP-99283	N3	3.1.0	3.2.0	EDGE related Correction	approved
004		B	NP-99283	N3	3.1.0	3.2.0	Asymmetry in EDGE	approved
29.018 : Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3								
004		F	NP-99276	N1	3.1.0	3.2.0	Clarify that no acknowledgement is made for	approved
005	1	A	NP-99268	N1	3.1.0	3.2.0	TMSI status indication	approved
006		A	NP-99268	N1	3.1.0	3.2.0	Explicit IMSI detach, abnormal case SGSN side	approved
29.060 : GPRS Tunneling protocol (GTP) across the Gn and Gp interface								
013	1	A	NP-99300	N2	3.1.0	3.2.0	Addition of APN parameter to PDU Notification	approved
014	1	A	NP-99300	N2	3.1.0		Specification of the MSISDN Information Element	revised
014	2	A	NP-99349	N2	3.1.0		Specification of the MSISDN Information Element	revised
014	3	A	NP-99378	N2	3.1.0	3.2.0	Specification of the MSISDN Information Element	approved

ANNEX E SMG3 Plenary Meeting 8th October 1999

11. Outcome of TSG_N#5 Meeting 6-8th October 1999

SMG3 accepts and endorses all of the CRs presented to TSG_CN and has no additional material.

SMG3 accepts and endorses all of the WIs and Reports presented by CN and has no additional material.

2. Working Methods

2.1 GSM Only Specifications

There are some specifications that have not yet been included in the 3GPP and are still the sole responsibility of GSM.

Example. **04.64** has not yet been transferred to 3G and hence CRs to this specification cannot be approved by TSG_CN before the transfer.

SMG3 approve the CRs to 04.64 and they will be presented to SMG#30 for final approval. However, the CRs to 04.64 may not be implemented until after SMG#30 – this gives a delay and offset to related CRs on other specifications.

SMG3 agree to the transfer of 04.64 from SMG3 to 3GPP TSG_CN1.

SMG3 agree to allow TSG_CN the maintenance of all GSM only specifications and to present this to SMG plenary at SMG#30

2.2 Activity of SMG3

It was agreed that SMG3 be continued as a STC, with meetings to be held at the same time as TSG_CN meetings. It is also agreed that the SMG3 WPs become dormant, without being disbanded.

3. AOB

(NP-99319) Presentation on LCS. Presented by Steve Hayes

The document was presented to TSG_CN for information only. T1P1 intend LCS to be included only up to R98 for GSM only.

The CRs included in the document for LCS are to be approved electronically after review by SMG3 WPC and then presented to SMG#30 for final approval.