Third Generation Partnership Project

DRAFT STATUS REPORT v2.1.0

3GPP TSG-CN#11

Palm Springs, USA
14th – 16th March 2001

Hosted by North American Friends of 3GPP

Chairman:	**Stephen Hayes, Ericsson Inc.** Stephen.hayes@ericsson.com
Vice-Chairman:	**Ian Park, Vodafone.** Ian.park@vf.vodafone.co.uk
Vice-Chairman:	**Hiroshi Nakamura, DoCoMo.** naka@docomo.fr
MCC Support:	**David Boswarthick, ETSI MCC.** david.boswarthick@etsi.fr

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1 Opening of the meeting

The CN Chair welcomed the delegates to Palm Springs on behalf of the North American Friends of the 3GPP. The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Ian Park (Vice-Chair, Vodafone), Mr. Hiroshi Nakamura (Vice-Chair, DoCoMo), and Mr. David Boswarthick (CN Secretary, MCC).

2 Approval of Agenda

The agenda was approved (NP-010001).

3 IPR Declarations

The Chair reminded the Individual Members and the persons making the technical proposals about their obligations under their respective Organizational Partners IPR Policy..

4 Items for External Attention

4.1 For SA Attention

4.1.1 Responsibility for 23.127

CN5 currently has responsibility for OSA stage 3. There was agreement within TSG-CN that efficiencies could be gained by transferring responsibility for OSA stage 2 (23.127) into CN5 as well. TSG-SA and SA2 are asked to consider this.

4.1.2 Deletion of CN WIs

Due to lack of interest and activity, TSG-CN is removing the work items and/or work plan entries within its responsibilities associated with the following work items:

- Service Modification without prenotification
- CS Multimedia Swap and Fallback
- IWF at CN border

The specific deletions are documented in the Liaison to (amongst others) TSG-SA in NP-010211.

4.1.3 ITU-T SSG Liaisons

Two liaisons from ITU-T SSG in NP-010212 and NP-010213 were discussed. For NP-010212, it was agreed that due to the expected reply dates CN would request TSG-SA (or possibly PCG) to coordinate a response. For NP-010213 the response was expected from the SDOs and not from the 3GPP.

4.2 MAP Application level security

It was noted that a liaison was received from SA3 delaying MAP application level security to the Release 5 timeframe. This was received too late for CN4 to take action. CN asks SA for confirmation of the intention to move this functionality from Release 4 to Release 5 since removal of the feature from the Release 4 specifications is a bit onerous.

4.3 Items for PCG Attention

4.3.1 Election Results

The following TSG-CN officials were elected by acclamation:

- Chair: Stephen Hayes (Ericsson Inc., T1)
- Vice-Chair: Ian Park (Vodafone, ETSI)
- Vice-Chair: Kunihiko Taya (NEC, TTC)

These results were ratified by the PCG.

4.3.2 Allocation of Multiple MCC's per Country

It was noted by CN1 that there may be problems related to PLMN selection in the case of a new MCC being introduced for a country (note: an exception is for the US, which treats its multiple MCCs as a single MCC). Some delegates felt that a warning should be conveyed to the ITU-T SG2 and to the national regulators who were considering allocating additional MCCs. However, there was some disagreement on the severity of the problem. It was also noted that this problem could in some cases be avoided by use of the newly developed "Equivalent PLMN" list and the intelligent allocation of MCCs within a country. This information will be conveyed to the PCG for its information. They can decide if the danger merits warning their regional regulators or escalating it to the ITU-T.

5 Miscellaneous Issues

5.1 TON Liaison

It was determined that, to the best of CN1 and TSG CN's ability to investigate, the TON code point '100' is not being used. A liaison (NP-010224) was sent to T3 indicating that this value will be marked as "reserved".

5.2 Testing Workplan

Contributions are solicited. The TSG CN working groups are to identify their testing requirements. The focus is on terminal testing. An evaluation will be made on the best way to proceed with respect to T1.

5.3 R97 GPRS change tracking TR

CN endorsed the GERAN proposal to create a TR describing changes to the Release '97 GPRS specifications to reflect the changes to MS specifications to deal with the "GPRS Roaming" problem. GERAN will own the document but will solicit input from the appropriate CN WGs.

5.4 IMEI

A liaison from GSMA TWG (NP-010135) was discussed. No action will be taken within CN.

5.5 Network Optimization

It was proposed to adopt principles that network optimization should be evaluated based upon analysis in implementation examples, because it is necessary to evaluate whether the real signalling is reduced or not (NP-010097). Since the scope of the proposal seemed to be too generic and wide, the following concerns were raised.

- If the principle is adopted, possible implementation examples have to be investigated, based on the network architecture for existing releases.
- The principles imply that a standard system has to be designed based on implementation examples which may include many different scenarios.

The proposal was rejected because there was no support other than contributing companies.

It was further proposed to evaluate signalling optimisation via the introduction of an integrated physical node as one of implementation examples (NP-010098). There was a long discussion on whether or not the physical node should be considered to estimate the improvement in signalling.

The proposal was also rejected because there was no support other than contributing companies.

It was further clarified that CN4 can continue the work on network optimisation.

5.6 Additional Roaming Problems

Tdoc (NP-010109) presented various roaming situations which were felt to not be currently covered in the specifications. Companies should bring contributions on these issues to the next CN1 and CN4 meetings.

6 Release '99 and earlier Workitems

6.1 CAMEL Phase 3

CRs in NP-010055, NP-010056, NP-010057, NP-010066 were approved.

6.2 Security

CRs in NP-010127 and NP-010155 were approved. The CRs in NP-010067 and NP-010156 were referred back to CN4 and CN1 respectively.

6.3 TEI

CRs in NP-010068, NP-010126, NP-010202, NP-010204, NP-010205 were approved. The CR in NP-000115 (User-User IE length) was referred back to CN1.

CR NP-010186 on PLMN background scan was approved. Since these were not formally agreed by CN1, extra latitude will be permitted in considering CRs to correct any errors in this CR.

6.4 GPRS

CRs in NP-010044, NP-010069, NP-010070, NP-010125, NP-010129, NP-010147 were approved.

CR in NP-010117 was approved. It is noted that this change is to 03.22 which is covered by CN1 expertise but formally under GERAN responsibility. The GERAN convenor stated that this handling should be acceptable to GERAN.

The CR in NP-010148 was rejected. This attempted to resolve ambiguity in the use of the message type IE for certain situations. It was felt inappropriate to resolve the conflict by changing R'97 terminal behaviour.

6.5 GTP Enhancement

CRs in NP-010071, NP-010072, NP-010073 were approved.

6.6 Handover

CRs in NP-010074 were approved.

6.7 GSM-UMTS interworking

CRs in NP-010123, NP-010207were approved.

CRs in NP-010180, NP-010209, NP-010210 introducing the equivalent PLMN list were approved. Since these were not formally agreed by CN1, extra latitude will be permitted in considering CRs to correct any errors in these CRs.

6.8 Location Services

CRs in NP-010075, NP-010076, NP-010128, NP-010152 were approved.

CRs in NP-010099, NP-010100, NP-010162, NP-010163, NP-010164 were referred back to CN1 as there was some concern since they had not been agreed in CN1.

6.9 Multicall

CRs in NP-010077 were approved.

6.10 CS Bearers in UMTS

CRs in NP-010042, NP-010043 were approved.

6.11 HSCSD

CRs in NP-010040 were approved.

6.12 OSA

CRs in NP-010133 were approved.

6.13 EGPRS

CRs in NP-010146 were approved

6.14 MS Classmark

CRs in NP-010153 were approved.

7 Release 4

7.1 Evolution of Transport in the CN

TS 29.202 was approved and will be promoted to version 4. Although there was some concern over the stability of M3UA, which is currently defined in an annex within 29.202, it was felt to be stable enough to allow approval of the TS on the understanding that the correct reference to the IETF RFC would be made by CR when the RFC is ready. CRs NP-010058, NP-010078, NP-010150 were approved.

This work item is considered complete for Release 4.

7.2 Emergency Call Enhancements

The revised WI in NP-010136 was approved. This removes the requirement for emergency call-back.

This work item is considered complete for Release 4.

7.3 Enable Bearer Independent CS Architecture

The revised WI in NP-010080 was approved.

The specifications TS 29.414 (NP-010215), TS 29.415 (NP-010037), TS 23.205 (NP-010214), TS 29.232 (NP-010225) and TS 29.205 (NP-010214) were approved. All references to undecided ITU-T Recommendations were changed to refer to 29.205 which in turn, currently refers to posted documents at a WEB URL. CRs will be required to correct references at a later date

For 29.232 it was agreed that both binary and text encoding would be supported. CN4 was requested to provide the CRs to introduce functionally equivalent text encoding by CN#12.

The CRs in NP-010045 were approved. Subsequent CRs are permitted to make editorial corrections to the references.

This work item is considered complete for Release 4.

7.4 Facsimile

The CRs in NP-010046 were approved.

This work item is considered complete for Release 4.

7.5 OSA Enhancements

The CRs in NP-0100131, NP-010134 were approved. This takes TR 29.998 and TS 29.198 and converts them into a multipart report and specification respectively. The majority of the parts are approved, but a few are for delayed Release 4 (CN#12). See the CRs for a description of the multipart mapping and the release schedule for various parts and subparts.

This work item is considered complete for Release 4 except for the parts containing the Call control, Account management, and Charging SCFs which are requested for late Release 4 inclusion.

This work item is considered complete for Release 4 except for the TS 29.198-parts containing the Call control, Account management and Charging SCFs and the TR 29.998-part containing the UI-SMS mapping which are requested for late Release 4 inclusion.

Split Release 4 into multiple documents (muliti-part TR) as follows:

29.998-1	Part 1:	Overview
29.998-4-1	Part 4:	Subpart 1: GCC-CAP mapping
29.998-5-1	Part 5:	Subpart1: UI-CAP mapping
29.998-5-4	Part 5:	Subpart4: UI-SMS mapping
29.998-6	Part 6:	UL/US-MAP mapping
29.998-8	Part 8:	DSC-CAP mapping

7.6 Transcoder Free Operation (TrFO)

CRs in NP-010084, NP-010161, NP-010208 were approved. Editorial corrections to the references introduced in NP-010084 are expected.

This work item is considered complete for Release 4.

7.7 LCS

CRs in NP-010217 were approved. CR 29.002-233r1 was not approved due to a linkage to CR 23.271-014 which was rejected by SA2.

The CN portions of this work item are considered complete for Release 4.

7.8 Security Enhancements

CRs in NP-010086 for WI Enhanced HE control of security were approved.

The CN portions of this work item are considered complete for Release 4.

7.9 ASCI

This work item is considered complete for Release 4.

7.10 Operator Determined Barring

The WI in NP-010218 was approved.

The CRs in NP-010087, NP-010116, NP-010154 were approved.

This work item is considered complete for Release 4.

7.11 Low Chip Rate TDD

The CR in NP-010151 was approved.

The CN portions of this work item are considered complete for Release 4.

7.12 TEI-4

The CRs in NP-010047, NP-010219, NP-010110, NP-010124, NP-010160, NP-010206 were approved.

The CRs in NP-010018 were referred back to CN1 The principle was agreed but the detailed encoding needed to be checked.

8 Release 5

8.1 Provisioning of IP-based multimedia services

The revised work item description (NP-010038) for interworking between IM CN Subsystem and CS networks was approved.

The work item description (NP-010039) for interworking between IM CN Subsystem and IP networks was approved.

The revised work item description (NP-010143) for SIP call control protocol for the IM subsystem was approved.

8.2 Emergency Call Enhancements

The revised WI in NP-010137 was approved. This removes the requirement for emergency call-back. It was noted that there is still some uncertainly concerning the need for PS based UICC-less emergency calls.

8.3 Evolution of Transport in the CN

The work item description (NP-010221) for a feasibility study investigating the use of SCCP-User Adaptation (SUA) was approved.

9 Work Organization

The proposed move of responsibility for GTP (29.060) from CN4 to CN3 was rejected.

10 Workplan/Project plan

10.1 Review of Project Plan

The latest version of the project plan (NO-010049 and NP-010105) were reviewed. Most of the changes from the WGs have been incorporated into the current plan. Specific updates are indicated below:

- CS split now 100% done in CN4
- Emergency call enhancement 100% comp
- CS multimedia services to be deleted
- Fax 100% complete
- GTT 40% complete
- Bearer Modification w/o prenotification deleted
- OSA enhancement mostly complete
- WB AMR in CN1 stays at 0%
- TrFO: CN1 & CN4 both 100% complete
- IWF at edge to be deleted
- TFO work in CN: Probably more than 0% but exact value unknown. Being left at 0%
- Location services - event based & periodic LCS at 0% for now.
- CN1 LCS work is 75% complete
- QoS: 0% for stage 3 is still valid.
- Interactions with external QoS mech: 0%
- New codepoints for QoS in CN1 (1659): 0%
- Use of IPSec for GTP is now complete in CN4.
- ASCI for Rel-4: CN1 is now 100% complete. CN4 work is 100% complete.
- ODB at 100% complete will be added.
- CN1 work on low chip rate TDD is 100% complete.

11 Close of Meeting

The meeting was adjourned at 16:30 on Friday, March 16, 2001.

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved to be sent following TSG_CN#11

TDoc #	Tdoc Title	LS to	LS cc	LS Attachment
NP-010211	Deletion of WIs with impact on other TSGs	SA, SA1, SA2, T1, T2	CN1, CN3, CN4	NONE
NP-010224	Use of the TON value "100".	EP SCP	T3	NONE

A.2 New TSs /TRs Approved at TSG_CN#11

TDoc #	Type	Spec	N_Ver	Title	Ownership
NP-010079	TS	29.202	4.0.0	TS 29.202 SS7 Signalling Transport in Core Network - Stage 3	CN4
NP-010081	TS	23.205	4.0.0	TS 23.205 Bearer Independent CS Core Network; Stage 2	CN4
NP-010037	TS	29.415	4.0.0	TS 29.415 Core Network Nb Interface User Plane Protocols	CN3
NP-010214	TS	29.205	4.0.0	TS 29.205 Application of Q.1900 Series to Bearer Independent CS Core Network Architecture; Stage 3	CN4
NP-010215	TS	29.414	4.0.0	TS 29.414 Core Network Nb Data Transport and Transport Signalling	CN3
NP-010216	TS	29.323	4.0.0	TS 29.232 Media Gateway Controller (MGC) – Media Gateway (MGW) Interface; Stage 3	CN4

A.3 New / Revised Work Items Approved at TSG_CN#11

TDoc #	Tdoc Title	Source
NP-010080	Bearer Independent Circuit-Switched Core Network	CN4
NP-010136	CS based Emergency Call in R4	CN1
NP-010137	IP & PS based emergency Call in R5	CN1
NP-010143	SIP call control protocol for the IM CN subsystem	CN1
NP-010038	Interworking between IM CN subsystem and CS networks	CN3
NP-010039	Interworking between IM CN subsystem and IP networks	CN3
NP-010218	ODB (Operator Determined Barring) for Packet Oriented Services	CN4
NP-010221	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	Motorola

A.4 CRs Approved at TSG_CN#11

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010147	Roaming restrictions for GPRS service	03.22	A053	2	R98	A	7.3.0	N1
NP-010125	Using RAU procedure for MS RAC IE update	04.08	A1077		R97	F	6.13.0	N1
NP-010125	Using RAU procedure for MS RAC IE update	04.08	A1079		R98	A	7.10.0	N1
NP-010147	Roaming restrictions for GPRS service	04.08	A1081	3	R97	F	6.13.0	N1
NP-010147	Roaming restrictions for GPRS service	04.08	A1083	2	R98	A	7.10.0	N1
NP-010147	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	04.08	A1089		R97	F	6.13.0	N1
NP-010147	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	04.08	A1090		R98	A	7.10.0	N1
NP-010123	GSM to UMTS Handover: Location Reporting in 3G MSC B	23.009	018	2	R99	F	3.5.0	N1
NP-010161	Applicability of intra-3G_MSC SRNS Relocation	23.009	022	2	Rel-4	C	3.5.0	N1
NP-010207	GSM to UMTS handover: addition of MAP parameter Target RNC ID	23.009	024		R99	F	3.5.0	N1
NP-010207	Directed Retry procedure alignment	23.009	026		R99	F	3.5.0	N1
NP-010207	Clarification of the PLMN selection for UMTS regarding high quality signal	23.122	014	3	R99	F	3.5.0	N1
NP-010168	Roaming restrictions for GPRS service	23.122	016	1	R99	F	3.5.0	N1
NP-010205	To remove the use of GSM as the default access technology in PLMN search.	23.122	017		R99	F	3.5.0	N1
NP-010189	Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)	23.122	018		R99	F	3.5.0	N1
NP-010186	Clarification to PLMN Search	23.122	019	4	R99	F	3.5.0	N1
NP-010186	Identification for PLMN of same country as the current VPLMN	23.122	020	1	R99	F	3.5.0	N1
NP-010180	Equiv handling of PLMN with different PLMN codes	23.122	022	1	R99	F	3.5.0	N1
NP-010123	Addition of Stream Identifier and NAS Synchronization Indicator to the primitives	24.007	025	2	R99	F	3.6.0	N1
NP-010206	Adaptation of SS protocol to PS domain	24.007	031	3	Rel-4	B	3.6.0	N1
NP-010123	Change MMAS-SAP to RR-SAP in fig. 5.6	24.007	032		R99	F	3.6.0	N1
NP-010207	Transfer of the N(SD) duplication avoidance protocol from GSM 04.18	24.007	034		R99	F	3.6.0	N1
NP-010205	Deletion of cause 'unsynchronousPDP' in RABMAS-SAP	24.007	035		R99	F	3.6.0	N1
NP-010123	Addition of type 4 IEs for P-TMSI Signature and GPRS Timer	24.008	265	2	R99	F	3.6.0	N1
NP-010123	Addition of type 4 IEs for P-TMSI Signature and GPRS Timer	24.008	266	2	Rel-4	A	4.1.1	N1
NP-010127	Optional support of UMTS AKA by a GSM only R99 ME	24.008	280	4	R99	F	3.6.0	N1
NP-010127	Optional support of UMTS AKA by a GSM only R99 ME	24.008	281	4	Rel-4	A	4.1.1	N1
NP-010116	Add new cause value on 'ODB for the Packet Oriented Services'	24.008	324	1	Rel-4	B	4.1.1	N1
NP-010123	Correction to MM timer handling	24.008	327	1	R99	F	3.6.0	N1

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010123	Correction to MM timer handling	24.008	328	1	Rel-4	A	4.1.1	N1
NP-010151	Add UMTS 1.28 Mcps TDD capability support to MS CM3	24.008	334	1	Rel-4	B	4.1.1	N1
NP-010123	Clarification of the establishment confirm for the signalling connection	24.008	335		R99	F	3.6.0	N1
NP-010123	Clarification of the establishment confirm for the signalling connection	24.008	336		Rel-4	A	4.1.1	N1
NP-010123	Clarification of the location update abnormal cases b) and c) on the MS side	24.008	337	1	R99	F	3.6.0	N1
NP-010123	Clarification of the location update abnormal cases b) and c) on the MS side	24.008	338		Rel-4	A	4.1.1	N1
NP-010205	unsynchronised PDP contexts - MS less (2)	24.008	343	4	R99	F	3.6.0	N1
NP-010205	unsynchronised PDP contexts - MS less (2)	24.008	344	4	Rel-4	A	4.1.1	N1
NP-010128	Update of MS classmark 2 and MS Network Capability to support LCS	24.008	345	1	Rel-4	A	4.1.1	N1
NP-010123	Correction of GPRS ciphering key sequence number IEI	24.008	347		R99	F	3.6.0	N1
NP-010123	Correction of GPRS ciphering key sequence number IEI	24.008	348		Rel-4	A	4.1.1	N1
NP-010123	Collisions cases of core network initiated paging and MS initiated GMM specific procedures	24.008	349	1	R99	F	3.6.0	N1
NP-010123	Collisions cases of core network initiated paging and MS initiated GMM specific procedures	24.008	350	1	Rel-4	A	4.1.1	N1
NP-010205	Correction related to Cause of no CLI	24.008	351	3	R99	F	3.6.0	N1
NP-010125	Using RAU procedure for MS RAC IE update	24.008	357		R99	A	3.6.0	N1
NP-010125	Using RAU procedure for MS RAC IE update	24.008	358		REL-4	A	4.1.1	N1
NP-010129	Connection re-establishment on forward handover without Iur	24.008	359	1	R99	F	3.6.0	N1
NP-010129	Connection re-establishment on forward handover without Iur	24.008	360	1	Rel-4	A	4.1.1	N1
NP-010147	Roaming restrictions for GPRS service	24.008	362	2	R99	A	3.6.0	N1
NP-010147	Roaming restrictions for GPRS service	24.008	363	2	Rel-4	A	4.1.1	N1
NP-010205	Correction related to Cause of no CLI	24.008	365	3	Rel-4	A	4.1.1	N1
NP-010129	Clarification of TFT request during secondary PDP context activation.	24.008	366	1	R99	F	3.6.0	N1
NP-010129	Clarification of TFT request during secondary PDP context activation.	24.008	367	1	Rel-4	A	4.1.1	N1
NP-010146	Correction of DTM Multislot Capabilities in MS Classmark 3 and MS Radio Classmark	24.008	368	1	R99	F	3.6.0	N1
NP-010147	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	24.008	369		R99	A	3.6.0	N1
NP-010207	Mapping of upper layer event to establishment cause	24.008	370		R99	F	3.6.0	N1
NP-010207	Resume at Intersystem change from GSM to UMTS	24.008	371	1	R99	F	3.6.0	N1
NP-010207	Collision case of CN initiated paging and MS initiated MM specific procedures	24.008	372	1	R99	F	3.6.0	N1
NP-010205	MS behavior for “RB Release followed by RB setup”	24.008	373	1	R99	F	3.6.0	N1
NP-010152	Update of MS classmark 2 to support LCS	24.008	374		R99	F	3.6.0	N1
NP-010153	Correction of Revision Level in MS Classmark and MS Network Capability	24.008	375		R99	F	3.6.0	N1

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010155	Re-transmission of AUTHENTICATION REQUEST and AUTHENTICATION & CIPHERING REQUEST messages	24.008	376	1	R99	F	3.6.0	N1
NP-010146	Correction of DTM Multislot Capabilities in MS Classmark 3 and MS Radio Classmark	24.008	377		Rel-4	A	4.1.1	N1
NP-010147	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	24.008	378		Rel-4	A	4.1.1	N1
NP-010207	Mapping of upper layer event to establishment cause	24.008	379	1	Rel-4	A	4.1.1	N1
NP-010207	Resume at Intersystem change from GSM to UMTS	24.008	380	1	Rel-4	A	4.1.1	N1
NP-010207	Collision case of CN initiated paging and MS initiated MM specific procedures	24.008	381	1	Rel-4	A	4.1.1	N1
NP-010151	Addition of 1.28 Mcps UTRA TDD capability support to MS Radio Access Capability	24.008	382		Rel-4	A	4.1.1	N1
NP-010154	Add cause value #8(ODB) to the PDP context deactivation initiated by the network	24.008	383		Rel-4	B	4.1.1	N1
NP-010155	Re-transmission of AUTHENTICATION REQUEST and AUTHENTICATION & CIPHERING REQUEST messages	24.008	384	1	Rel-4	A	4.1.1	N1
NP-010205	MS behavior for “RB Release followed by RB setup”	24.008	385	1	Rel-4	A	4.1.1	N1
NP-010160	Presence of PDP address IE in Activate PDP Context Accept	24.008	386		Rel-4	F	4.1.1	N1
NP-010160	Correction of Revision Level in MS Classmark and MS Network Capability	24.008	387		Rel-4	A	4.1.1	N1
NP-010160	Unsync_MSmore_Rel4	24.008	388		Rel-4	A	4.1.1	N1
NP-010160	Correction of incorrect references	24.008	389	1	Rel-4	A	4.1.1	N1
NP-010209	Equiv handling of PLMN with different PLMN codes	24.008	390	1	R99	A	3.6.0	N1
NP-010210	Equiv handling of PLMN with different PLMN codes	24.008	391	1	Rel-4		4.1.1	N1
NP-010208	Removal of CODEC type octet in supported CODECS list	24.008	392		Rel-4	F	4.1.1	N1
NP-010124	Multiple SMS for PS in Iu mode	24.011	021		REL-4	B	3.5.0	N1
NP-010206	Missing SMR state	24.011	022		R99	F	3.5.0	N1
NP-010150	BSSAP+ over IP	29.016	005	1	Rel-4	C	3.1.0	N1
NP-010126	Correction of Length Indicator	29.018	12	1	R99	F	3.5.0	N1
NP-010055	Clarification on APN usage in the ConnectGPRS operation	23.078	256	2	R99	F	3.7.0	N2
NP-010055	Update of References	23.078	257		R99	F	3.7.0	N2
NP-010055	Hand-over indication for GPRS	23.078	258	1	R99	F	3.7.0	N2
NP-010055	Description of Entity Released GPRS	23.078	259	1	R99	F	3.7.0	N2
NP-010055	Correction to description of 'O-CSI Applicable' parameter	23.078	260	1	R99	F	3.7.0	N2
NP-010055	Restriction on SS-CSI to VLR - no marking for CCBS	23.078	261	1	R99	F	3.7.0	N2
NP-010055	No Volume charging on GPRS Session (clarifying text)	23.078	263	1	R99	F	3.7.0	N2
NP-010055	Correction of "Call Forwarding Notification" feature in CAMEL Phase 3.	23.078	264	2	R99	F	3.7.0	N2
NP-010055	Usage of MSISDN for CAMEL - USSD Information Flows	23.078	267	1	R99	F	3.7.0	N2
NP-010055	Correction of error implementing CR 23.078-118r2	23.078	268	1	R99	F	3.7.0	N2

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010056	Correction of reference	23.078	269	4	R99	F	3.7.0	N2
NP-010055	Correction on GPRS related information flows	23.078	271	1	R99	F	3.7.0	N2
NP-010056	Corrections to Information Flow Definitions	23.078	272		R99	F	3.7.0	N2
NP-010056	Correction of the Location Information IE	23.078	273	1	R99	F	3.7.0	N2
NP-010056	Correction of Interactions with Call Barring in CAMEL Phase 3.	23.078	274		R99	F	3.7.0	N2
NP-010056	Correction of Triggering after Call Gapping in CAMEL Phase 3.	23.078	279		R99	F	3.7.0	N2
NP-010056	Correction of SDL Set_Notification_Type	23.078	280	1	R99	F	3.7.0	N2
NP-010056	Correction to vendor/operator specific GPRS charging response timer handling	23.078	282	1	R99	F	3.7.0	N2
NP-010056	Marking of Location Number in InitialDP SMS as 'Conditional'	23.078	283		R99	F	3.7.0	N2
NP-010056	Correction on checking DP criteria and sending VT/T-CSI	23.078	284	1	R99	F	3.7.0	N2
NP-010056	Correction of Output Signals in Process Reconnected_MT_Call_VLR	23.078	285		R99	F	3.7.0	N2
NP-010057	Clarification on APN usage in the ConnectGPRS operation	29.078	137	2	R99	F	3.6.0	N2
NP-010057	Inconsistency between InitialDPGPRS procedure and generic GPRS procedure	29.078	138	1	R99	F	3.6.0	N2
NP-010057	Hand-over indication for GPRS	29.078	139	2	R99	F	3.6.0	N2
NP-010057	Description of Entity Released GPRS	29.078	140	1	R99	F	3.6.0	N2
NP-010057	Correction to description of 'O-CSI Applicable' parameter	29.078	141	1	R99	F	3.6.0	N2
NP-010057	Correction to LocationInformationGPRS	29.078	142	1	R99	F	3.6.0	N2
NP-010057	No Volume charging on GPRS Session (clarifying text)	29.078	143	2	R99	F	3.6.0	N2
NP-010057	Correction to MO-SMS	29.078	145	1	R99	F	3.6.0	N2
NP-010057	Correction on GPRS related operation	29.078	147	1	R99	F	3.6.0	N2
NP-010057	Correction to MSNetwork Capability parameter length	29.078	148	1	R99	F	3.6.0	N2
NP-010057	Definition of the geographicalInformation parameter coding	29.078	149		R99	F	3.6.0	N2
NP-010058	Introduction of CAP over IP in accordance with SIGTRAN	29.078	150		Rel-4	B	3.6.0	N2
NP-010057	Removal of duplicate description in CWA	29.078	151		R99	F	3.6.0	N2
NP-010044	Removal of IHOSS and OSP	07.60	A021		R98	F	7.1.0	N3
NP-010040	Correction to downgrading procedure for HSCSD	08.20	A010		R96	F	5.3.0	N3
NP-010040	Correction to downgrading procedure for HSCSD	08.20	A011		R97	A	6.0.0	N3
NP-010040	Correction to downgrading procedure for HSCSD	08.20	A012		R98	A	7.0.1	N3
NP-010040	Correction to downgrading procedure for HSCSD	08.20	A013		R99	A	8.3.0	N3
NP-010044	Removal of IHOSS and OSP	09.61	A016		R98	F	7.2.0	N3
NP-010204	A-TRAU´ correction	23.910	020	1	R99	F	3.3.0	N3

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010204	A-TRAU´ correction	23.910	021	1	REL-4	A	4.1.0	N3
NP-010043	Correction of service's scope	23.910	022		R99	F	3.3.0	N3
NP-010042	RAB-assignment request (RAB parameter)	23.910	023		R99	F	3.3.0	N3
NP-010204	A-TRAU' synchronization	23.910	024	1	R99	F	3.3.0	N3
NP-010043	Correction of service's scope	23.910	025		REL-4	A	4.1.0	N3
NP-010045	Introduction of Nb UP	23.910	026		REL-4	B	4.1.0	N3
NP-010204	A-TRAU' synchronization	23.910	027	1	REL-4	A	4.1.0	N3
NP-010042	RAB-assignment request (RAB parameter)	23.910	028		REL-4	A	4.1.0	N3
NP-010042	Removal of the blocking of higher modem speeds and editorial changes	27.001	046	1	R99	F	3.7.0	N3
NP-010042	Removal of the blocking of higher modem speeds and editorial changes	27.001	047	1	REL-4	A	4.2.0	N3
NP-010046	Removal of FAX NT in GSM from REL-4	27.001	048	1	REL-4	C	4.2.0	N3
NP-010042	RAB-assignment request (RAB parameter)	27.001	049		R99	F	3.7.0	N3
NP-010042	RAB-assignment request (RAB parameter)	27.001	050		REL-4	A	4.2.0	N3
NP-010042	Removal of flow diagram B.1.3.1.7	27.001	051		R99	F	3.7.0	N3
NP-010042	Removal of flow diagram B.1.3.1.7	27.001	052		REL-4	A	4.2.0	N3
NP-010047	Editorial modifications of flow diagrams	27.001	053		REL-4	D	4.2.0	N3
NP-010043	Correction of service's scope	27.001	054		R99	F	3.7.0	N3
NP-010043	Correction of service's scope	27.001	055		REL-4	A	4.2.0	N3
NP-010202	Corrections for a mobile terminated call using the single numbering scheme	27.001	056	2	R99	F	3.7.0	N3
NP-010202	Corrections for a mobile terminated call using the single numbering scheme	27.001	057	2	REL-4	A	4.2.0	N3
NP-010047	Clarification of allowed combinations of FNUR and ACC values for the V.34 modem based 3G-H.324/M service.	27.001	058		REL-4	D	4.2.0	N3
NP-010046	Removal of FAX NT in GSM from REL-4	27.003	008		REL-4	C	4.0.0	N3
NP-010044	DHCP lease renewal	27.060	014		R99	F	3.4.0	N3
NP-010044	Removal of IHOSS and OSP	27.060	015		R99	A	3.4.0	N3
NP-010204	A-TRAU´ correction	29.007	034	1	R99	F	3.7.0	N3
NP-010204	A-TRAU´ correction	29.007	035	1	REL-4	A	4.1.0	N3
NP-010204	A-TRAU' synchronization	29.007	036	1	R99	F	3.7.0	N3
NP-010204	A-TRAU' synchronization	29.007	037	1	REL-4	A	4.1.0	N3
NP-010046	Removal of FAX NT in GSM from REL-4	29.007	038		REL-4	C	4.1.0	N3
NP-010045	Introduction of Nb UP	29.007	039		REL-4	B	4.1.0	N3
NP-010044	DHCP lease renewal	29.061	015		R99	F	3.4.0	N3

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010044	Removal of IHOSS and OSP	29.061	016		R99	A	3.4.0	N3
NP-010047	Removal of S Reference Point in MS	43.010	001		REL-4	C	4.0.0	N3
NP-010047	Additional changes for the removal of BS30NT and packet access	43.010	002		REL-4	C	4.0.0	N3
NP-010046	Removal of FAX NT in GSM from REL-4	43.010	003		REL-4	C	4.0.0	N3
NP-010047	Removal of speech model	43.010	004		REL-4	D	4.0.0	N3
NP-010075	Correction to LCS application context	09.02	A312	1	R98	F	7.7.0	N4
NP-010069	Failure of Update GPRS Location when HLR is not reachable	09.02	A315		R97	F	6.10.0	N4
NP-010069	Failure of Update GPRS Location when HLR is not reachable	09.02	A316		R98	A	7.7.0	N4
NP-010069	Failure of Authentication Parameter GPRS when HLR is not reachable	09.02	A317	1	R97	F	6.10.0	N4
NP-010069	Failure of Authentication Parameter GPRS when HLR is not reachable	09.02	A318		R98	A	7.7.0	N4
NP-010069	Mapping of unknown HLR error to access interface cause code	09.10	A011		R97	F	6.1.0	N4
NP-010069	Mapping of unknown HLR error to access interface cause code	09.10	A012		R98	A	7.1.0	N4
NP-010069	Roaming restrictions for GPRS service	09.10	A013		R97	F	6.1.0	N4
NP-010069	Roaming restrictions for GPRS service	09.10	A014		R98	A	7.1.0	N4
NP-010071	IMSI Encoding Clarification	09.60	A100	1	R98	A	7.6.0	N4
NP-010071	IMSI Encoding Clarification	09.60	A101	1	R97	F	6.9.0	N4
NP-010072	Re-configure the IEs in the Create PDP Context Request to make it in ascending order	09.60	A102	1	R98	F	7.6.0	N4
NP-010076	Clarification to Definition of Service Area Identifier	23.003	025		R99	F	3.7.0	N4
NP-010070	Forbidden APN network identifier labels	23.003	026		R99	F	3.7.0	N4
NP-010087	Declare barring data for ODB PS	23.008	032	1	Rel-4	B	3.5.0	N4
NP-010217	Addition of LCS related subscriber data for PS domain	23.008	033	2	Rel-4	B	3.5.0	N4
NP-010087	Add PDP context activation barring scenario, etc	23.015	002		Rel-4	B	3.1.0	N4
NP-010087	Add three subscriber statuses to the ‘ODB Data for GPRS services’	23.016	017	1	Rel-4	B	3.6.0	N4
NP-010075	Alignment about Notification to MS User between 09.02 , 03.71(LCS Stage2) and 03.16	23.016	018		R99	A	3.6.0	N4
NP-010217	Extension of call related privacy class for LCS Release 4	23.016	019	2	Rel-4	B	3.6.0	N4
NP-010217	PS domain support for LCS Release 4	23.016	020	1	Rel-4	B	3.6.0	N4
NP-010219	Incorporation of MPTY and ECT into the Subs_FSM process	23.018	065	2	Rel-4	C	4.1.0	N4
NP-010219	Removal of CW descriptions	23.018	067	1	Rel-4	C	4.1.0	N4
NP-010076	Paging not via the SGSN correction	23.018	068		R99	F	3.6.0	N4
NP-010076	Paging not via the SGSN correction	23.018	069		Rel-4	A	4.1.0	N4
NP-010219	Enhancement of procedures for Call Hold	23.083	006	3	Rel-4	C	4.0.0	N4

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010110	Enhancement of CW procedures	23.083	007	1	Rel-4	C	4.0.0	N4
NP-010219	Enhancement of MPTY SDLs and CAMEL functionality	23.084	003	1	Rel-4	C	3.2.0	N4
NP-010219	Enhancement of ECT SDLs and CAMEL functionality	23.091	003	1	Rel-4	C	3.2.0	N4
NP-010084	Correct wording of Nb / Iu UP protocol	23.153	001	1	Rel-4	D	4.0.0	N4
NP-010084	Alignment of codec modification procedures with current BICC CS2 procedures	23.153	003	1	Rel-4	D	4.0.0	N4
NP-010084	Alignment of codec modification procedures with current BICC CS2 procedures	23.153	004	1	Rel-4	C	4.0.0	N4
NP-010084	Alignment of codec modification procedures with current BICC CS2 procedures	23.153	005	1	Rel-4	C	4.0.0	N4
NP-010084	Interaction with CCBS	23.153	006	1	Rel-4	C	4.0.0	N4
NP-010084	Chapter 5.6, establishment of additional calls	23.153	007	2	Rel-4	C	4.0.0	N4
NP-010084	Editorials and minor corrections	23.153	009	1	Rel-4	D	4.0.0	N4
NP-010084	Change of terminology from "Node X" to "MSC Server X"	23.153	012	2	Rel-4	D	4.0.0	N4
NP-010084	Alignment of codec modification procedures with current BICC CS2 procedures	23.153	014	1	Rel-4	C	4.0.0	N4
NP-010084	Alignment of SRNS Relocation with 3G TS 23.205	23.153	015		Rel-4	F	4.0.0	N4
NP-010084	Inter-MSC Serving Area SRNS Relocation	23.153	016		Rel-4	D	4.0.0	N4
NP-010084	General Improvements	23.153	017	1	Rel-4	D	4.0.0	N4
NP-010084	Reference to Q.2630 in certain diagrams should be bearer independent	23.153	020		Rel-4	D	4.0.0	N4
NP-010084	Initialisation Issues	23.153	021	1	Rel-4	C	4.0.0	N4
NP-010084	Avoiding double description of Iu framing package procedure	23.153	022	2	Rel-4	F	4.0.0	N4
NP-010217	Adaptation of SS to PS domain	24.010	002	1	Rel-4	B	3.1.0	N4
NP-010217	Adaptation of SS to PS domain	24.030	002	1	Rel-4	B	3.1.0	N4
NP-010075	Correction to LCS application context	29.002	205	1	R99	A	3.7.2	N4
NP-010075	Correction to LCS application context	29.002	206	1	Rel-4	A	4.2.1	N4
NP-010087	Add parameters to ISD and SRI for GPRS to handle ODB for PS	29.002	215	2	Rel-4	B	4.2.1	N4
NP-010077	Correction to maximum numbers of RAB's	29.002	216		R99	F	3.7.2	N4
NP-010077	Correction to maximum numbers of RAB's	29.002	217		Rel-4	A	4.2.1	N4
NP-010217	PS domain support for LCS Release 4	29.002	222	2	Rel-4	B	4.2.1	N4
NP-010069	Failure of Update GPRS Location when HLR is not reachable	29.002	223		R99	A	3.7.2	N4
NP-010069	Failure of Update GPRS Location when HLR is not reachable	29.002	224		Rel-4	A	4.2.1	N4
NP-010166	Adding EXPORT definition for LSAIdentity	29.002	228		R99	F	3.7.2	N4
NP-010166	Removing duplicate parameters from SS-CSI	29.002	229		R99	F	3.7.2	N4
NP-010166	Correction to description of SS-CSI in HLR to VLR information flow	29.002	230		R99	F	3.7.2	N4

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010217	Extension of call related privacy class for LCS Release 4	29.002	231	2	Rel-4	B	4.2.1	N4
NP-010217	Maximum numbers of LCS Clients	29.002	232	2	Rel-4	B	4.2.1	N4
NP-010078	MAP over IP according to SIGTRAN	29.002	234		Rel-4	B	4.2.1	N4
NP-010086	Requesting node type in authentication set request	29.002	236	1	Rel-4	B	4.2.1	N4
NP-010166	Adding EXPORT definition for LSAIdentity	29.002	246		Rel-4	A	4.2.1	N4
NP-010166	Removing duplicate parameters from SS-CSI	29.002	247		Rel-4	A	4.2.1	N4
NP-010166	Correction to description of SS-CSI in HLR to VLR information flow	29.002	248		Rel-4	A	4.2.1	N4
NP-010074	GSM to UMTS handover: addition of MAP parameter Target RNC ID	29.002	249		R99	F	3.7.2	N4
NP-010074	GSM to UMTS handover: addition of MAP parameter Target RNC ID	29.002	250		REL-4	A	4.2.1	N4
NP-010077	Clarification of the use of multicall bearer information	29.002	251		R99	F	3.7.2	N4
NP-010077	Clarification of the use of multicall bearer information	29.002	252		Rel-4	A	4.2.1	N4
NP-010166	Adding EXPORT definition for GeographicalInformation	29.002	257		R99	F	3.7.2	N4
NP-010166	Adding EXPORT definition for GeographicalInformation	29.002	258		Rel-4	A	4.2.1	N4
NP-010069	Failure of Authentication Parameter GPRS when HLR is not reachable	29.002	259		R99	A	3.7.2	N4
NP-010069	Failure of Authentication Parameter GPRS when HLR is not reachable	29.002	260		Rel-4	A	4.2.1	N4
NP-010166	Correction to D-CSI	29.002	261	1	R99	F	3.7.2	N4
NP-010166	Correction to D-CSI	29.002	262	1	Rel-4	A	4.2.1	N4
NP-010074	GSM to UMTS handover: addition of MAP parameter Target RNC ID	29.010	012		R99	F	3.4.0	N4
NP-010074	Inter MSC relocation: addition of MAP parameter Target RNC ID	29.010	013		R99	F	3.4.0	N4
NP-010069	Roaming restrictions for GPRS service	29.010	014		R99	A	3.4.0	N4
NP-010068	Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)	29.010	015		R99	F	3.4.0	N4
NP-010068	UMTS to GSM Directed Retry cause code mapping	29.010	016		R99	F	3.4.0	N4
NP-010069	Mapping of unknown HLR error to access interface cause code	29.010	017		R99	A	3.4.0	N4
NP-010073	Adding Uplink TEID Data I and user plane GGSN address to PDP Context IE	29.060	155	4	R99	F	3.7.0	N4
NP-010073	Handling of sequence numbers for reliable transmission of control plane messages	29.060	162		R99	F	3.7.0	N4
NP-010073	Re-configure the IEs in the PDU Notification Request to make it in ascending order	29.060	163		R99	F	3.7.0	N4
NP-010073	Corrections to editorwork of 29.060 v 3.7.0	29.060	166		R99	F	3.7.0	N4
NP-010073	Clarification on the TEID value of the signalling messages	29.060	170	2	R99	F	3.7.0	N4
NP-010073	Clarifications to the GTP-U protocol	29.060	173	3	R99	F	3.7.0	N4
NP-010073	Essential Correction of the delete PDP context procedure	29.060	174	1	R99	F	3.7.0	N4
NP-010073	Re-configure the IEs in the Send Routeing Information for GPRS Response message to make it in ascending order	29.060	178		R99	F	3.7.0	N4

NP Tdoc	Subject / Title	Spec	CR	Rev	Phase	Cat	C-Vers	WG
NP-010071	IMSI Encoding Clarification	29.060	180	1	R99	A	3.7.0	N4
NP-010070	Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure	29.060	181	1	R99	F	3.7.0	N4
NP-010073	GSN address in Error Indication	29.060	182	2	R99	F	3.7.0	N4
NP-010073	Clarification of Error Indication	29.060	186	1	R99	F	3.7.0	N4
NP-010073	Clarification on the handling of sequence numbers in the GTP user plane	29.060	187		R99	F	3.7.0	N4
NP-010073	Clarifications and clean up of the error handling section	29.060	188		R99	F	3.7.0	N4
NP-010073	Clarification on the use of the term G-PDU	29.060	191	1	R99	F	3.7.0	N4
NP-010075	Alignment about Notification to MS User between 09.02 , 03.71(LCS Stage2) and 03.16	3.16	A043		R98	F	7.4.0	N4
NP-010133	Correction of IDL implementation of data-type TpDomainID	29.198	045		R99	F	3.2.0	N5
NP-010133	Correction to terminal capability parameter reference	29.198	046		R99	F	3.2.0	N5
NP-010134	Add new features and Split R99 into a multi-part TS for upgrading to Rel 4	29.198	047		Rel4	B	3.2.0	N5
NP-010131	Add new features and Split R99 into a multi-part TR for upgrading to Rel 4	29.998	011		Rel4	B	3.2.0	N5

A.5 CRs Not Approved at TSG_CN#11

NP Tdoc	Subject/Title	Spec	CR	Rev	Phase	Cat	C_Ver	WG	Status
NP-010115	Length of User-user IE	04.08	A1065		Ph 2	F	4.23.1	N1	REJECTED
NP-010148	SM reaction on reception of a TI value "111"	04.08	A1087	1	R98	A	7.10.0	N1	REJECTED
NP-010115	Length of User-user IE	24.008	333		Rel-4	A	4.1.1	N1	REJECTED
NP-010115	Length of User-user IE	04.08	A1069		R97	A	6.13.0	N1	REJECTED
NP-010115	Length of User-user IE	04.08	A1067		R96	A	5.18.1	N1	REJECTED
NP-010156	Indication of IntraMSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	23.009	025	1	R99	F	3.5.0	N1	REJECTED
NP-010115	Length of User-user IE	24.008	332		R99	A	3.6.0	N1	REJECTED
NP-010115	Length of User-user IE	04.08	A1071		R98	A	7.10.0	N1	REJECTED
NP-010148	SM reaction on reception of a TI value "111"	04.08	A1085	1	R97	F	6.13.0	N1	REJECTED
NP-010067	Addition of selected UMTS algorithm indication to the handover procedures	29.002	225	2	R99	F	3.7.2	N4	REJECTED
NP-010067	Addition of allowed GSM algorithms indication to the handover procedures	29.002	229	2	R99	F	3.7.2	N4	REJECTED
NP-010067	Addition of selected GSM algorithm indication to the handover procedures	29.002	243	1	R99	F	3.7.2	N4	REJECTED
NP-010088	Enhancement of CW procedures	23.083	007		Rel-4	C	4.0.0	N4	REJECTED
NP-010067	Addition of allowed GSM algorithms indication to the handover procedures	29.002	241	2	Rel-4	A	4.2.1	N4	REJECTED
NP-010067	Addition of selected GSM algorithm indication to the handover procedures	29.002	245	1	Rel-4	A	4.2.1	N4	REJECTED
NP-010067	Addition of selected UMTS algorithm indication to the handover procedures	29.002	239	2	Rel-4	A	4.2.1	N4	REJECTED
NP-010067	Addition of allowed UMTS algorithm indication to the handover procedures	29.002	242	1	R99	F	3.7.2	N4	REJECTED
NP-010067	Addition of allowed UMTS algorithm indication to the handover procedures	29.002	244	1	Rel-4	A	4.2.1	N4	REJECTED
NP-010187	Background scan of HPLMN + Priority PLMNs	23.122	021	4	R99	B	3.5.0	N1	WITHDRAWN

ANNEX B Decisions/Notes on Tdocs by Agenda Item

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
2	NP-010001		AGENDA	Draft Agenda for CN#11 (Plenary Palm Springs)	CN Chair	CN Elections are held at 15:30 Wed 14th RAN Elections 14:00 Wed 14th T Elections 09:00 Thurs 15th	APPROVED
2	NP-010002		TDOC ALLOC	Proposed allocation of documents to agenda items: status at 08:30 PST, 14 March 2001	CN V.Chair		NOTED
2	NP-010003		TDOC ALLOC	Proposed allocation of documents to agenda items: status at close of business, 14 March 2001	CN V.Chair		NOTED
2	NP-010004		TDOC ALLOC	Proposed allocation of documents to agenda items: status at close of business, 15 March 2001	CN V.Chair		NOTED
2	NP-010005		TDOC ALLOC	Proposed allocation of documents to agenda items: status at close of business, 16 March 2001	CN V.Chair		NOTED
2	NP-010006		REPORT	Draft Report from CN#10 Meeting (Bangkok)	MCC	APPROVEDS	APPROVED
4.2	NP-010108		REPORT	Report of Meetings between the CN Chair and IETF Area Directors	CN Chair	Keith Drage mentioned dependencies on IETF documents. The meeting agreed that the 3GPP work plan needs to be updated to reflect the IETF dependencies. Only IETF draft dependencies will be shown. Nokia expressed concerns over the statement that IETF will review 3GPP architecture to check the 3gpp architecture. Stephen clarified that this would be limited only to the checking of 3GPP use of IPv6. Keith Drage stated the IETF relationship to architecture does not need to be discussed in TSG_CN as it belongs to TSG-SA. Stephen says he will report the discussion to SA plenary, but will not state any CN position.	NOTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
4.2	NP-010183		REPORT	IETF Report	AT&T Wireless (ileana leuca)	This is aimed at TSG-SA and is presented to TSG_CN for info only. It is recommended that the 3GPP actively solicit help from IETF to accelerate the standardization process in the areas were inefficiencies exists (i.e. transport - SIP) Proactively, Ileana will engage in dialogue with ADs and build the awareness of the areas of importance for Release 4/5 fulfillment (e.g. SIP, QoS, Ipv6). 3GPP individual members are encouraged to be active within the IETF via mailing lists and participate in the various studies and answering the various questions posed by the IETF ADs. Understand the scope of some BOFs (see the list) and their relation with relevant areas to 3GPP (e.g. user registration, presence services and SIP, Ipv6, local area) Basic User Registration Protocol - the BOF aims is to determine if a registration protocol, i.e. a simple or basic user registration, decoupled from the lower layers is needed. "BOF" was clarified as meaning "Bird Of a Feather" – a body doing new work which is related to IETF Keith Drage points to areas of inconsistency between IETF documents, especially in the SIP area. Stephen warns that these could lead to delay of Rel-5; 3GPP people will need to be active in IETF! TSG_CN encourages companies to participate in the IETF work to ensure no delays for 3GPP Rel-5.	NOTED
5.1	NP-010012	N1-010211	LS IN	Problem with GPRS and Roaming	CN1	CN considers the work required to solve this problem has been completed with CN. However CN4 identified additional changes that are required to 03.60/23.060 and have sent LS to SA2. Ian Park to check with SA2 that these CRs are presented to SA#11.	NOTED
5.1	NP-010016	N1-010492	LS IN	Response LS on Periodic Network selection attempt	CN1	CN1 warns SA1 that the wording 'country' in TS 22.011 is understood as equivalent to an area identified by one Mobile Country Code in TS 23.122 R'99 and Release 4. Political Country = MCC (except for the USA). If we modify this there will be implications on the technical realization. The ITU-T is responsible for allocation of MCCs and we require communication with them explaining the problem. Background scan applies only to Rel-4. However there have been additional CRs for R99, meaning the requirements need to be modified. SA1 have been informed of the required changes. TSG_CN adopts the principle that MCC = Country code. This information will be sent to ITU-T to the GSM Assoc. Regis Dubois (FT) will draft the LS (NP-010208) warning of the problem of allocating a second MCC to a country which already has one. However direct Liaison from 3GPP cannot be sent direct to ITU-T - has to be taken by one or more member companies.	NOTED
5.1	NP-010025	N1-010306	LS IN	LS on Use of a specific Type of Number value in GSM and 3G	CN1	CN1 identifies a problem with the differences in semantic of a code point for TON between GSM and TIA. CN1 seeks guidance from CN plenary on how to proceed. TI was postponed to allow more background info to be collected Siemens later reported that the TON is no longer being used. Keith D. proposed marking the code point as "Reserved", to ensure that it isn't used again. The responding LS was drafted by Nigel Barnes in NP-010188.	NOTED
5.1	NP-010188		LS OUT	To:EP SCP Cc:3GPP TSG-T3 LS on Use of the TON value "100".	TSG_CN	Iain Sharpe questioned the need LS. Concerns over the text - change to say TSG_CN believe the TON value of 100 is not in use in GSM.	REVISED TO 0223
5.1	NP-010223	NP-010188	LS OUT	To:EP SCP Cc:3GPP TSG-T3 LS on Use of the TON value "100".	TSG_CN	Requirement to add Andrew Howell as the contact person	REVISED TO 0224

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
5.1	NP-010224	NP-010223	LS OUT	Use of the TON value "100".	TSG_CN		APPROVED
5.1	NP-010203		LS OUT	LS to ITU-T on MCC allocations	TSG_CN	This LS cannot be sent directly to ITU-T by 3GPP - it must be presented by ITU-T member companies. The text was refined, especially the last paragraph that required greater clarity to indicate that the allocation of a second MCC to a country which already has one will cause problems with many GSM and UMTS mobiles (from R98) . There was some support to communicating this to information to the National regulators. However 3GPP cannot liaise directly to regulators. However this LS will be sent to PCG where the operators will be represented. Keith Dradge stressed that 3GPP cannot place requirements directly upon the ITU-T. Nick Sampson (Orange) indicates that GSM Europe is looking at the possibility of multiple MCCs to avoid exhaustion of the capacity of a 2-digit MNC with a single MCC. There was some support of the 3-digit MNC but Niels indicated potential issues with backward compatibility. Niels says that problem is not as bad as indicated, and is only really a problem if you're doing national roaming. Can be avoided by removing the one-to-one link between MCC and political country, (UK, Russia, Germany have multiple MCCs, although they are not presently used) Conclusion:-Stephen will indicated the problem to PCG. The liaison statement will not be sent to ITU-T.	REJECTED
5.2	NP-010007	r3-010304	LS IN	Feedback on UTRAN OAM Procedures Work Item	RAN3		NOTED
5.2	NP-010008	S2-010385	LS IN	Removal of Visited Control S-CSCF option from the Rel 5 architecture	SA2		NOTED
5.2	NP-010009	S5-010012	LS IN	UTRAN OAM Procedures (Feature-level Work Item: UOAM)	SA5		NOTED
5.2	NP-010010	TP-000257	LS IN	Clarify the work plan of TSG-T1 for rel-4 and rel-5	T1	Hannu points to the need for us to generate standardized test cases as soon as we recognize that a WI will require Conformance testing. Nigel wants to push the identification of need for conformance testing to the working groups, but Hannu and others point to the need for individual companies to put in contributions. Keith Drage points to the difference between the abstract test suite, which is generated as part of the standards effort, and the executable test suite, which is down to test equipment manufacturers. He also asks about whether there is any work on testing the network side of access protocols. T1 representative responds that they concentrate purely on the terminal side. RAN4 do some RF test case design for the network side, but there seems to be no work on signaling testing for the network side. However T1 would probably be able to draft the TTCN for test cases to test the network side, if the CN WG can identify the functional elements to be tested. Ian Park summarized the sad history of the attempt to get a MAP conformance test suite for MAP v2. Keith Drage draws the distinction between conformance testing for network protocols and conformance testing for the network side of access protocols.	DISCUSSED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
5.2	NP-010011	GP-010406	LS IN	Creation of a new specification to handle implementation issues caused by changes to the Release '97 GPRS specifications.	GERAN	Contains Interworking between modified Public Land Mobile Network (PLMN) supporting GPRS and Legacy GPRS mobiles (3GPP TR 09.xx version 0.0.2 Release 1997) that will presented to the next TSG_GERAN meeting as v2.0.0 for approval. CN1 have seen and noted the document. Proposed for R97, and the requirement for R99 is to be studied. TSG_CN agrees the document is required and GERAN be the owner. There is no need for 2nd ownership by CN1. CN1 input will be handled in an informal manner	PRINCIPLE ENDORSED
5.2	NP-010014	S1-000814	LS IN	Camel Phase 1 Support in Phase 2 further assumptions	SA1	SA1 has decided CAMEL Phase 4 implicates the support of Camel Ph 3, 2 and 1. CN2 sent LS to SA1 stating supporting earlier phases of Camel has an impact only on "test for compliance". This LS has been discussed by SA1 and an LS sent back to CN2 stating the CRs have been made to stage one to reflect this.	NOTED
5.2	NP-010015	S1-000854	LS IN	Operator Determined Barring of Packet Oriented Services	SA1	This LS has already been sent by CN4	NOTED
5.2	NP-010111	R3-010928	LS IN	Response to SA5 regarding UO&M Procedures Work Item	RAN3		NOTED
5.3	NP-010013	BRAN22d115	LS IN	HIPERACCESS System Overview [LS possibly not to TSG_CN]	BRAN	Not relevant to CN.	NOTED
5.3	NP-010135		LS IN	IMEI proposed format changes	GSM MoU TWG	GSMA TWG informs 3GPP that it does not believe drastic changes are required for the IEMI format coding. A full report will be made available in Q4 of 2001. There were some concerns that the change to the IMEI format may have an impact on CN1 specs. Nick Sampson offered to find out more information. After some researching Nick discovered that the small change is in effect a change to the meaning of the digits within the IMEI in order to allow more efficient use of the IEMI. There is no change to the coding and expected to have little impact on CN.	NOTED
5.3	NP-010212		LS IN	REQUEST FOR INFORMATION FOR PROPOSED ITU-T TECHNICAL REPORT BEING DEVELOPED BY THE SPECIAL STUDY GROUP ON "IMT-2000 AND BEYOND"	ITU-T	Steve Mecrow has stated this already been looked at in TSG_RAN, T and will be seen in TSG-SA. He suggested it would be best left up to the PCG to handle. Also this is better discussed in TSG-SA as opposed to the other TSGs. Stephen H. agreed that there are quite a few questions on network capabilities and TSG-SA will most probably require input from TSG_CN. Harald suggested providing a link to the 3GPP specifications and work-plan. Stephen will report to TSG-SA and the PCG that TSG_CN do not believe they need to respond to this communication and it should be handled by the TSG-SA and or the PCG.	NOTED
5.3	NP-010213		LS IN	REQUEST FOR INFORMATION FOR PROPOSED ITU-T RECOMMENDATIONS BEING DEVELOPED BY THE SPECIAL STUDY GROUP ON "IMT-2000 AND BEYOND"	ITU-T	Agreement that this LS is aimed at the SDOs, and TSG_CN do not need to reply to this document. Stephen will report this to TSG-SA and the PCG that CN did not feel it necessary to respond as the SDOs are expected to deal with the issue.	NOTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
6.1	NP-010091		REPORT	Status Report for TSG CN WG1	CN1 Chair	Clarification:- The meeting in Finland [8-9 May] meeting is to progress with the R99 and previous releases. This is to allow the full CN1 meeting more time to move progress Rel-4 and Rel-5 issues. TS 24.229 SIP protocol spec is heavily dependant on IETF progress. TS 23.228 is coming to SA#11 for approval following email approval and this should answer a number of the CN1 open issues.	NOTED
6.1.1	NP-010092		REPORT	CN1#15 Meeting Report (Beijing)	CN1		NOTED
6.1.1	NP-010093		REPORT	CN1#16 Meeting Report (Sophia)	CN1		NOTED
6.1.1	NP-010094		REPORT	CN1_SA2 SIP AdHoc#02Meeting Report	CN1		NOTED
6.1.1	NP-010095		LS PACK	All LSs sent from CN1 since TSG CN#10 Meeting	CN1		NOTED
6.13	NP-010117		CR	CR on GPRS roaming restrictions (03.22) N1-215	CN1	Neils points out that this CR affects the part of GSM 03.22 which was split out to 23.122 and put under the responsibility of CN1, so GERAN should be happy with it. Niels will inform them that CN have improved this CR to 03.22. This means CN1 do not require GERAN endorsement for this CR to 03.22.	APPROVED
6.13	NP-010125		CR PACK	CR Pack on GPRS (from N1_15)	CN1		APPROVED
6.13	NP-010129		CR PACK	CR Pack on GPRS (from N1_15)	CN1	ALL CRs within the Pack were approved	APPROVED
6.13	NP-010167		CR	CR to 03.22 on Roaming restrictions for GPRS service for R98 [N1-010223]	CN1	NOT REQUIRED	WITHDRAWN
6.13	NP-010168		CR	CR to 23.122 on Roaming restrictions for GPRS service [N1-010224]	CN1		APPROVED
6.2	NP-010030		REPORT	Status Report for TSG CN WG3	CN3 Chair	Ahti Muhonen states clearly that CN4 did not agree to the move of the GTP work to CN3. Steve Mecrow asks if CN3 is the group that should be doing the QoS work. Norbert replies that it is. Stephen invited companies to present candidates for the position of CN3 vice chair. Discussion on the deletion of CN3 Wis:- Deletion of Service Modification WithOut Pre-notification (SMWOP - BB ID is 1359) requires an LS to SA,SA1 requesting the deletion of the parent feature WI (ID 1526). Deletion of CS multi-media swap and fallback. The BB is one of several children Wis under the feature CS multi-media. It was agreed to delete BB WI (1655), and the other children WIs 1335, 1336, 1337. Once again SA, SA1, SA2 need to be informed as well as T1and T2 Deletion of IWF at CN border (ID 2205) agreed - All of the above changes were notified to SA in the LS (NP-010201).	NOTED
6.2	NP-010050		REPORT	Status Report for TSG CN WG2	CN2 Chair	Report mentions increase of 'Editorial CRs' - Stephen H. advised that pure editorials need to be reduced not increased.	NOTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
6.2	NP-010201		LS OUT	LS to SA, SA1, SA2 and T1 on deletion of several work items.	TSG_CN	Requirement to add TSG_T WG2 in the text. Keith mentioned that CN1 have received a contribution on Swap and fallback - but it was withdrawn at the meeting. No need to modify the text for this. Hannu suspected an error on one WI code - this was later checked and found not to be the case	REVISED TO 0211
6.2	NP-010211	NP-010201	LS OUT	Deletion of WIs with impact on other TSGs	TSG_CN		APPROVED
6.2.1	NP-010051		REPORT	CN2#16 Meeting Report	CN2		NOTED
6.2.1	NP-010052		REPORT	CN2#17 Meeting Report	MCC		NOTED
6.2.1	NP-010054		LS PACK	All LSs sent from CN2 since TSG CN#10 Meeting	CN2		NOTED
6.3.1	NP-010031		REPORT	CN3#15 Meeting Report (Beijing)	CN3		NOTED
6.3.1	NP-010032		REPORT	CN3#16 Meeting Report (Sophia)	CN3		NOTED
6.3.1	NP-010033		LS PACK	All LSs sent from CN3 since TSG CN#10 Meeting	CN3		NOTED
6.4	NP-010060		REPORT	Status Report for TSG CN WG4	CN4 Chair	Ian Park commented on section 3.2.4 Security enhancements and the need to have the SA decision on the removal of MAP application level security before CN4 removes it from 29.002. CN4 will submit a CR to CN#12 to remove this function. However this is still being studied by SA3 who consider this may be a part of Rel-5. This information was received too late for CN4 to react upon. TSG_CN will indicate to TSG-SA that CN will ultimately delete MAP application level security unless SA indicate that this in not to be done. Stephen will do this via his report to SA. There will be elections for CN4 chair and vice chairs in the May CN4 meeting.	NOTED
6.4.1	NP-010061		REPORT	CN4#06 Meeting Report	CN4		NOTED
6.4.1	NP-010062		REPORT	CN4 Rel-4 Ad Hoc Meeting Report	CN4		NOTED
6.4.1	NP-010063		REPORT	CN4#07 Meeting Report	CN4		NOTED
6.4.1	NP-010064		REPORT	CN3/CN4 Join Meeting #2	CN4		NOTED
6.4.1	NP-010065		LS PACK	All LSs sent from CN4 since TSG CN#10 Meeting	CN4		NOTED
6.5	NP-010175		REPORT	STATUS REPORT CN5 (Word Version)	CN5		NOTED
6.5.1	NP-010130		REPORT	Slides on Status of CN5	MCC, CN5 Support	CN5 may be able to synch with other CN WGs meetings in October 2001. Harald suggested we may move the OSA Stage 2 repspo. from SA2 to CN5 Stephen H. agreed to request to TSG-SA that the stage 2 (23.127) responsibility be moved from SA2 to CN5.	NOTED
6.5.1	NP-010171		REPORT	Report from CN5#08 meeting, 18 - 20 December 2000 in Scottsdale, Arizona, USA (N5-000347)	CN 5		NOTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
6.5.1	NP-010172		REPORT	Report from CN5#09 meeting, 6 - 8 February 2001 in Helsinki, Finland (N5-010096/7)	CN 5		NOTED
6.5.1	NP-010173		REPORT	Report from CN5#10 meeting, 5 - 7 March 2001 in Antwerp, Belgium (N5-010233)	CN 5		NOTED
6.5.1	NP-010174		[LS IN]	LS from CN5#9 (N5-010089) to CN1/2/3/4: Reply to LS on "Control of IP multimedia services" (NJ-010107)	CN5	LS to CN1,2,3,4 explaining the progress of work within CN5.	NOTED
6.6	NP-010165		REPORT	Status report of CN ITU-T Ad Hoc	Ad Hoc Convenor		NOTED
7.13	NP-010044		CR PACK	CRs to GPRS	CN3	ALL CRs within the Pack were approved	APPROVED
7.13	NP-010069		CR PACK	GPRS 97	CN4	ALL CRs within the Pack were approved on the conditions linked CRs in 03.30 and 23.060 are also approved [Note this condition was later met].	APPROVED
7.13	NP-010070		CR PACK	GPRS	CN4	ALL CRs within the Pack were approved NOTE Cover page incorrect - should be 23.003 not 23.002	APPROVED
7.13	NP-010121		CR PACK 7	CRs on SM reaction to TI value 111 (04.08) N1-473+474	CN1		WITHDRAWN [duplicate of
7.13	NP-010147		CR PACK	CR Pack on GPRS (from N1_16)	CN1		APPROVED
7.13	NP-010148		CRs	CRs on SM reaction on reception of a TI value "111"I (from CN1_16)	CN1	Motorola objected to the CR on the basis that it does not solve the problem for R99. Harald asked if CN1 are looking at a solution for R99. Hannu said there are two possible solutions one quick and simple, and other slightly more complex. Motorola will propose a solution for R99 to the next CN1 meeting. Niels stressed that making functional changes to well-frozen releases should be avoided.	REJECTED.
7.14	NP-010071		CR PACK	GTP Enhancement	CN4	ALL CRs in PACK APPROVED	APPROVED
7.14	NP-010072		CR PACK	GTP Enhancement	CN4	ALL CRs in PACK APPROVED	APPROVED
7.14	NP-010073		CR PACK	GTP Enhancement	CN4	ALL CRs in PACK APPROVED	APPROVED
7.15	NP-010074		CR PACK	Handover	CN4	ALL CRs in PACK APPROVED	APPROVED
7.16	NP-010017	7.16	REPORT	REPORT on UE in idle mode	TSG-SA		NOTED
7.16	NP-010019		DISCUSSION DOC	Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola		REVISED TO 0177
7.16	NP-010020		CR	Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola		REVISED TO 0178
7.16	NP-010021		CR	Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola		REVISED TO 0179
7.16	NP-010022		CR	Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola		REVISED TO 0180
7.16	NP-010023		CR	Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola		REVISED TO 0181
7.16	NP-010024		CR	Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola		REVISED TO 0182

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
7.16	NP-010107		DISCUSSION DOC	Multiple PLMNs (Working assumptions from UE in Idle Mode Workshop)	Motorola	Provides background in Multiple PLMN	NOTED
7.16	NP-010123		CR PACK	CR Pack on GSM-UMTS Interworking (from N1_15)	CN1	NOTE the CR to 23.009 introducing text changes was approved at TSG_10.	APPROVED
7.16	NP-010149		CR PACK	CR Pack on GSM – UMTS interworking (from CN1_16)	CN1		REVISED TO 0207 BEFORE PRESENTATION
7.16	NP-010177	NP-010019	DISCUSSION DOC	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Presents the background to the CRs that follow in NP-0178 -> 0182. These CRs have not been seen by CN1 and modifications have been made to the original versions at the plenary meeting. Harald stressed that CRs in this issue are essential, but does not agree with rushing these CRs through at NP#11. There will most probably be a requirement for additional CRs. Noted there are 2 CRs to 23.011 which are to be presented to SA#11. This means the CN CRs can only be conditionally approved. Stephen Hayes gives a reassurance that in view of the fact that these CRs came directly to the plenary, CN1 will be more tolerant about fine-tuning corrective CRs.	NOTED
7.16	NP-010178	NP-010020	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Will be presented for approval in SA. Approval of 178 & 179 is a precondition for the final approval of 180, 209 & 210.	NOTED
7.16	NP-010179	NP-010021	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Rel-4 equiv of CR in NP-0178	NOTED
7.16	NP-010180	NP-010022	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Conditionally Approved on condition SA approves the Stage 1 CRs	CONDIT_APPROVED
7.16	NP-010181	NP-010023	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Incorrect CR number Revised documents	REVISED TO 0209
7.16	NP-010182	NP-010034	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Incorrect CR number Revised documents	REVISED TO 0210
7.16	NP-010207	NP-010149	CR PACK	CR Pack on GSM – UMTS interworking (from CN1_16)	CN1		APPROVED
7.16	NP-010209	NP-010181	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Conditionally Approved on condition SA approves the Stage 1 CRs	CONDIT_APPROVED
7.16	NP-010210	NP-010182	CR	Rev. Equivalent handling of PLMNs with different PLMN codes	Telia/ Motorola	Conditionally Approved on condition SA approves the Stage 1 CRs	CONDIT_APPROVED
7.17	NP-010075		CR PACK	Location Services	CN4	ALL CRs in PACK APPROVED	APPROVED
7.17	NP-010076		CR PACK	Location Services	CN4	ALL CRs in PACK APPROVED. Cover Page error - version should be 3.7.0 not 3.6.0	APPROVED
7.17	NP-010099		CR	Addition of RR_NO_ABORT_IND primitive at RR-SAP in MS side	Nokia		REFERRED BACK TO CN1

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
7.17	NP-010100		CR	Addition of RR_NO_ABORT_IND primitive	Nokia		REFERRED BACK TO CN1
7.17	NP-010101		CR	Modification to MS's MM states to enable LCS signaling on RR layer	Nokia		REVISED TO 0162 before meeting
7.17	NP-010102		CR	Modification to MS's MM states to enable LCS signaling on RR layer	Nokia		REVISED TO 0163 before meeting
7.17	NP-010103		CR	Modification to MS's MM states to enable LCS signaling on RR layer	Nokia		REVISED TO 0164 before meeting
7.17	NP-010104		DISCUSSION DOC	Support of mobile originated and terminated transactions during LCS positioning	Nokia	This document and associated CRs come direct to Plenary without being seen by CN1. Stephen asks why they weren't handled in CN1. Hannu responds that they were discussed by CN1, but have been through a re-work following e-mail discussion. However Keith clarified that this e-mail discussion did NOT take place. Harald mentioned that Siemens have some concerns over these CRs and believes they are premature. Hannu asked for Siemens CN1 delegates to be fully briefed in this issue before the next CN1 meeting. Nigel Berry agreed that further e-mail discussion is required. As these are R98 and there is some resistance to the CRs CN refers the CRs in 099, 100, 162 – 164 back to CN1	NOTED
7.17	NP-010128		CR PACK	CR Pack on LCS (from N1_15)	CN1	Note - Cover sheet error CHANGE CAT TO A.	APPROVED
7.17	NP-010152		CR	CR on Update of MS classmark 2 to support LCSI (from CN1_16) R99	CN1		APPROVED
7.17	NP-010162		CR	Modification to MS's MM states to enable LCS signaling on RR layer	Nokia		REFERRED BACK TO CN1
7.17	NP-010163		CR	Modification to MS's MM states to enable LCS signaling on RR layer	Nokia		REFERRED BACK TO CN1
7.17	NP-010164		CR	Modification to MS's MM states to enable LCS signaling on RR layer	Nokia		REFERRED BACK TO CN1
7.19	NP-010077		CR PACK	Multicall	CN4		APPROVED
7.2	NP-010055		CR PACK	CRs for R99 WI "CAMEL3	CN2	ALL CRs within the Pack were approved	APPROVED
7.2	NP-010056		CR PACK	CRs for R99 WI "CAMEL3 "23.078 part 2	CN2	ALL CRs within the Pack were approved	APPROVED
7.2	NP-010057		CR PACK	CRs for R99 WI "CAMEL3 "29.078	CN2	ALL CRs within the Pack were approved	APPROVED
7.2	NP-010066		CR PACK	Camel Phase 3	CN4	ALL CRs within the Pack were approved	APPROVED
7.21	NP-010042		CR PACK	CRs to CS Data Bearers (Pt 1)	CN3	ALL CRs within the Pack were approved	APPROVED
7.21	NP-010043		CR PACK	CRs to CS Data Bearers (Pt 2)	CN3	ALL CRs within the Pack were approved	APPROVED
7.23	NP-010040		CR PACK	CRs to HSCSC	CN3	ALL CRs within the Pack were approved	APPROVED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
7.23	NP-010133		CR	CRs to Open Service Architecture; Application Programming Interface - Part 1 (29.198) - (N5-000331, N5-	CN5		APPROVED
7.23	NP-010146		CR PACK	CR Pack on EGPRS (from N1_16)	CN1		APPROVED
7.23	NP-010153		CR	CR on Correction of Revision Level in MS Classmark and MS Network Capability (from CN1_16)	CN1		APPROVED
7.3	NP-010067		CR PACK	Security	CN4	Iain Sharpe stated the Reason for Change in one CR is not clear and asks what are the consequences of not implementing. Ian Park answered that "Ciphering will be erroneous hence data transmission will be interrupted". Stephen re-iterated the need for clear Reasons for Change in all CRs (especially <R99). Peter Kobringer stressed there is a strong relationship to CN1 CRs in NP-010156. This linkage has not been explained to CN4, and is not reflected in the CR cover sheet. Peter said that these CRs cannot be approved, as the WGs were not aware of this linkage. Hannu explained they have studied the CN1 linked CR for two meetings and no new technical modifications have been made. Sending these and the linked CR back to CN1 would not result in any modifications. After some consideration Ericsson were not satisfied with the CN1 linked CR in NP-010156. TSG_CN did not approve these R99 CRs as consensus could not be reached. Keith Dradge request the cover sheets be updated to get the corrected linkage and Wis. CR to 29.010 on a similar topic is unrelated to these CRs. As it is stage 3 and should not be a condition of other Stage 2 CRs.	REFERRED BACK TO CN4
7.3	NP-010127		CR PACK	CR Pack on Security (from N1_15)	CN1	ALL CRs within the Pack were approved	APPROVED
7.3	NP-010155		CR PACK	CR PACK on SECURITY (from CN1_16)	CN1	ALL CRs within the Pack were approved	APPROVED
7.3	NP-010156		CR	CR on Indication of IntraMSC handover from 3G_MSC-B to MSC-A/3G_MSC-A I (from CN1_16)	CN1	linked to CN4 CRs (NP-0067). Agreement could not be met and the CRs are sent back to CN1.	REFERRED BACK TO CN1
7.6	NP-010041		CR PACK	CRs to TEI_R99	CN3	Siemens has an alternative to the CRs to 27.001. These are presented in NP-0166 All other CRs in the pack are acceptable and were placed in revised CR Pack in NP-010204	REVISED TO 0204
7.6	NP-010204	NP-010041	CR PACK	Rev. CR Pack to WI TEI_R99.	CN3	R99 Part of CR pack in NP-0157	APPROVED
7.6	NP-010068		CR PACK	TEI	CN4	ALL CRs within the Pack were approved	APPROVED
7.6	NP-010115		CR PACK 1	CRs on Length of User-User IE (24.008) N1-056+057+103->106	CN1	CRs contained within the Pack are known to be incorrect. User-User IE octet has been defined incorrectly as one octet (should be 2 or 3). Harald asked to postpone these CRs for checking (Siemens is the source of CR). Andrew Howell believes the specs are presently correct, and the CRs presented here are not required. Also the cover sheet is misleading as it mentions a change to align with LV. Also not convinced that we need to implicate changes all the way back to Phase 2. Keith Drage explained the reason for change was agreed within CN1 as Interworking with ISUP specifications.	REFERRED BACK TO CN1

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
7.6	NP-010118		CR	CR on background scan HPLMN (23.122) N1-457	CN1		WITHDRAWN [duplicate of 0159]
7.6	NP-010120		CR	CR on IntraMSC handover indication (23.009) N1-462	CN1		WITHDRAWN [duplicate of 0156]
7.6	NP-010122		CR PACK 8	CRs on PLMN Search (23.122) N1-489+490	CN1		WITHDRAWN [duplicate of 0158]
7.6	NP-010126		CR PACK	CR Correction of Length Indicator for T.E.I R99 (from N1_15)	CN1	ALL CRs within the Pack were approved	APPROVED
7.6	NP-010157		CR PACK	CRs on TEI (from CN1_16)	CN1	24.007CR031r3 is in fact for Rel-4 and NOT R99 (and marked as critical correction). The CR pack will be split into R99 and Rel-4 CRs. Also the CR contained within N1-0486 is missing - it will be added to 0205.	SPLIT TO 0205 and 0206
7.6	NP-010158		CRs	CRs on Clarification to PLMN Search (from CN1_16)	CN1	Revised due to outcome of PLMN concept discussion	REVISED TO 186
7.6	NP-010159		CR	CR on Background scan of HPLMN + Priority PLMNs	CN1	Revised due to outcome of PLMN concept discussion	REVISED TO 187
7.6	NP-010166		CR	CRs to R99 Work Item T.E.I	Siemens AG	The CR includes the addition of a warning. Keith Dradge suggested that this should be a note (as the annex is normative). Norbert explained this is not a technical warning only a note to any operators. The meeting suggested modification to the text to make it less passive.	REVISED TO 0202
7.6	NP-010186	NP-010158	CRs	CRs on Clarification to PLMN Search (from CN1_16)	Motorola	BOTH CRs in the PACK were approved	APPROVED
7.6	NP-010187	NP-010159	CR	CR on Background scan of HPLMN + Priority PLMNs	Motorola	The REL-4 CR is NOT required. This is based on the feature coming in for the first time in REL-4, so this CR is unnecessary.	WITHDRAWN
7.6	NP-010189	NP-010157	CR	CR to WI T.E.I [N1-010443]	CN1	Contains the Missing CR from NP-010205	APPROVED
7.6	NP-010202	NP-010166	CR	Rev. CRs to R99 Work Item T.E.I	Siemens AG		APPROVED
7.6	NP-010205	NP-010157	CR PACK	Rev. CR Pack to WI TEI_R99	CN1		APPROVED
8.1	NP-010058		CR	CR for Rel-4 WI "SS7IP "29.078 for Introduction of CAP over IP in accordance with SIGTRAN	CN2		APPROVED
8.1	NP-010078		CR PACK	MAP over IP according to SIGTRAN	CN4		APPROVED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
8.1	NP-010079		TS	TS 29.202 SS7 Signaling Transport in Core Network - Stage 3	CN4	Keith Drage had concerns over the stability of M3UA upon which 29.202 is dependant. M3UA could be subject to major change between WG last call and IESG last call. Yun-Chao responds that the rapporteur of 29.202 thinks that it the IETF document is stable. Keith further suggests delaying the approval of 29.202 until M3UA is complete. Yun-Chao asks that the 29.202 be accepted as it is 80% complete. Ahti Muhonen (Nokia) supports the approval of 29.202. Therefore the specification was APPROVED. 29.202 v4.0.0 will be created and be placed under change control.	APPROVED
8.1	NP-010119		CR	CR on BSS over IP (29.016) N1-459	CN1		WITHDRAWN [duplicate of 0150]
8.1	NP-010150		CR	CR for IP on CN on BSSAP+ over IP (from CN1_16)	CN1		APPROVED
8.1	NP-010169		DISCUSSION DOC	Encoding of the (G)MSC Server - MGW interface (3GPP TS 29.232)	Nortel Networks, Tellabs	Text Encoding Codec types need to be registered with IANA. There were some reservations on the possible delay in obtaining registration form IANA. Keith Drage mentioned that IANA have a QoS statement and an advertised turn around time of 3 weeks. Ian Park said past experience in registering with IANA has given 3 months plus delay. This issue was previously discussed in CN4 and there is uncertainty that the coding semantics may not be the same / identical. CN4 agreed (in the CN4#4 meeting) to add the text encoding, in addition to the binary encoding. Within CN4 many companies supported only a single encoding scheme - and the majority supported binary. This was clearly stated in the CN4 meeting report. CN4 asks CN plenary for guidance on the issue of multiple coding. A show of hands within CN meeting resulted in- 2 companies supported single coding 3 companies supported multiple codings on the condition that the coding techniques are semantically identical. The objective is to have the work [CRs] presented to CN#12 plenary. TSG_CN AGREED both binary and text coding will be allowed. The text encoding will be added to 29.232 as soon as possible (by NP#12 meeting). This will be done under the restriction that the two encodings will be functionally the same. CN4 will proceed with the work.	DISCUSSED
8.1	NP-010176		DISCUSSION DOC	Excerpt from latest version of TS 23.228 on identification of users	Motorola	Presented for information to CN. Delegates are invited to read the changes offline.	NOTED
8.10	NP-010084		CR PACK	TrFO	CN4	ALL CRs in the PACK are approved Keith Drage hi-lighted that some of the CRs do not adopt the referencing mechanism agreed elsewhere in this meeting. It is essential to control the reference to subject matter where the contents are not finalized and could change substantially outside the control of 3GPP. This will be done by further clean-up CRs from CN4, to be presented to NP#12	APPROVED
8.10	NP-010161		CR	CR on Applicability of intra-3G_MSC SRNS Relocation	CN1		APPROVED
8.10	NP-010208	N1-010452	CR	CR on Removal of Supported ODEC type octet in supported codecs list.	Ericsson		APPROVED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
8.12	NP-010085		CR PACK	Location Services	CN4	It was mentioned that SA2 will not present the corresponding CR to 23.271 that links to the CN4 CR0233r1 to 29.002. Siemens has comment to CR232 that they believe that it should be further be studied by CN4. Issues on transition from white book to blue book and which elements need to be sent. Stephen mentioned that there is a need to specify a maximum and the drop back can be studied later. Harald sustained his objection stating that CN4 need to study which 5 of 40 is to be used. Finally it was agreed to accept this CR. This CR pack was revised to include all CRs apart for CR 233 which is WITHDRAWN.	REVISED TO 0217
8.12	NP-010217	NP-010085	CR PACK	Location Services	CN4		APPROVED
8.14	NP-010086		CR PACK	Enhanced HE control of security	CN4		APPROVED
8.16	NP-010018		CR	Addition of UI Dummy command for use in RLC/MAC delayed TBF release procedure	Motorola	These Crs have been seen by CN1 and the principle was agreed. However some issues were open on the actual wording. E-mail discussion took place after the CN1 meeting in order to resolve these open issues. This CR is presented at CN#11 in order to complete GPRS Rel-4 Keith Drage agrees this CR does do the job, but possibly not in the best way. Harald stated the presented text does not encompass all of the required changes. Therefore the CR could not be approved at CN Plenary and was referred back to CN1.	REFERRED BACK TO CN1
8.16	NP-010047		CR PACK	CRs to TEI_4	CN3	ALL CRs within the Pack were approved	APPROVED
8.16	NP-010087		CR PACK	ODB Enhancement	CN4		APPROVED
8.16	NP-010088		CR PACK	CR Pack to TEI-4	CN4	There is an alternative CR to the 23.083CR007 submitted by Vodafone in NP-010110 to . This was created following e-mail discussions. All CRs in this pack except 23.083CR007 are revised to 0219.	REVISED TO 0219
8.16	NP-010089		WID	Work Item Description for Release 4: ODB (Operator Determined Barring) for Packet Oriented Services	CN4	Ian Park stated there is an impact on the ME and the WID needs to be revised. Hannu asked that MCC add ODB to the Work Plan in order to ensure tracking.	REVISED TO 0218
8.16	NP-010218	NP-010089	WID	Work Item Description for Release 4: ODB (Operator Determined Barring) for Packet Oriented Services	CN4		APPROVED
8.16	NP-010219	NP-010088	CR PACK	CR Pack to TEI-4	CN4		APPROVED
8.16	NP-010110		CR	Enhancement of CW procedures	Vodafone		APPROVED
8.16	NP-010116		CR	CR on ODB Services (24.008) N1-184	CN1	Note - error on cover page - Ref to N1 not N4 in cover page. Sumio of Siemens said that other specifications are affected by this WI. Keith D. clarified that the CN ODB WID only details the CN parts. The SA WID identifies the higher level work.	APPROVED
8.16	NP-010124		CR PACK	CR Pack on T.E.I_4 (from N1_15)	CN1		APPROVED
8.16	NP-010139		DISCUSSION DOC	Presentation of Specification to TSG or WG (23.00) (from N1_16)	CN1		WITHDRAWN
8.16	NP-010151		CR PACK	CR PACK on LCR TDD (ID 1222)I (from CN1_16)	CN1	Note:- The CAT A CR should be CAT B.	APPROVED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
8.16	NP-010154		CR	CR on Add cause value #8(ODB) to the PDP context deactivation initiated by the network (from CN1_16)	CN1		APPROVED
8.16	NP-010160		CR PACK	CRs on TEI-4 (from CN1_16)	CN1	In cover page N1-0460 should be a CAT F not CAT A	APPROVED
8.16	NP-010206	NP-010157	CR PACK	Rev. CR Pack to WI TEI_4	CN1	ALL CRs in the pack were approved	APPROVED
8.2	NP-010136		WID	CS based Emergency Call in R4 (from N1_16)	CN1	Updates to WID agreed. The WI is complete for Rel-4	APPROVED
8.2	NP-010138		WI Submission form	Wi Submission form CS based Emergency call in R4 (from N1_16)	CN1	Not required to be presented to NP#11.	WITHDRAWN
8.3	NP-010036		TS	TS 29.414 v2.0.0 Core Network Nb Data Transport and Transport Signaling (Rel-4)	CN3	Comment from Keith Drage that there are some inconsistencies to the referencing. REF [10] should be dated (as in 29.205) H.248 has been approved. REF [12] needs to be changed to use the URL format [as used in 29.232]. REF [13] needs to be changed to use the URL format [as used in 29.232]. Also REF [11] is diverted via TS 29.205	REVISED TO 0215
8.3	NP-010215	NP-010036	TS	TS 29.414 Core Network Nb Data Transport and Transport Signaling	CN3	APPROVED to be made 29.414 v4.0.0 and placed under change control.	APPROVED
8.3	NP-010037		TS	TS 29.415 Core Network Nb Interface User Plane Protocols	CN3	APPROVED to create 29.415 v4.0.0 and be placed under change control	APPROVED
8.3	NP-010045		CR PACK	CRs to CSSPLIT	CN3	ALL CRs within the Pack were approved	APPROVED
8.3	NP-010080		WID	Work Item Description for Bearer Independent Circuit-Switched Core Network	CN4	Keith Drage states that this WID is linked to Service modification without pre-notification. Norbert clarified that BICC has an impact on SMWOP and SWAP & FALLBACK but not vice versa. Nigel Berry asks about lawful interception; Yun-Chao clarified that the responsibility lies with SA3. CN4 have told them that they can use G.711	APPROVED
8.3	NP-010081		TS	TS 23.205 Bearer Independent CS Core Network; Stage 2	CN4	Approved subject to approval of TS 29.205 (NP-0083). APPROVED to be made TS 23.205 v400 and placed under change control.	APPROVED
8.3	NP-010082		TS	TS 29.232 v. 2.0.0	CN4	Keith Drage mentions that the references need correcting:- Ref to H248 is undated. Q.765.5 ref needs to be routed via 29.205 Ref to Q.2210 needs to be dated.	REVISED TO 0216
8.3	NP-010216	NP-010082	TS	TS 29.232 Media Gateway Controller (MGC) – Media Gateway (MGW) Interface; Stage 3	CN4		APPROVED
8.3	NP-010083		TS	TS 29.205 v. 2.0.0	CN4	Keith Dradge is concerned that the material to be kept on the 3GPP web site is subject to change, and asked how these changes will be tracked. Yun Chao answered that the 3GPP WEB Site will contain the ITU-T documents - and a copyright / IPR statement. The web site will be deleted when the documents are publicly available. Stephen asked that the links contained within 29.205 detail the specific version of destination document on the web page. Also Keith mentioned that section 4 required some additional text.	REVISED TO 0214

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
8.3	NP-010214	NP-010083	TS	TS 29.205 Application of Q.1900 Series to Bearer Independent CS Core Network Architecture; Stage 3	CN4	APPROVED to be made 29.205 v4.0.0 and placed under change control.	APPROVED
8.3	NP-010170		DISCUSSION DOC	Encoding of Codec information on the (G)MSC Server - MGW interface (3GPP TS 29.232)	Nortel Networks, Tellabs	More relevant to working group discussion, and will be presented directly to CN4	NOTED
8.5	NP-010046		CR PACK	CRs to RT Facsimile	CN3	ALL CRs within the Pack were approved	APPROVED
8.8	NP-010131		CR	CR 29.998: for moving TR 29.998 from R99 to Rel 4 (N5-010159)	CN5		APPROVED
8.8	NP-010134		CR	CR 29.198: for moving TS 29.198 from R99 to Rel 4 (N5-010158)	CN5	Proposes to split 29.198 into a multipart specification by the process of CRs. Ian Park has concerns about re-using 29.198 and prefers a new specification number for the split TS. Harald Dettner supports the view and prefers a to see a new TS number. Keith Drage asked what is the advantage of not-retaining the same TS number. Finally there was no strong resistance to re-using the same number and the CRs were APPROVED. This means the mutli-part TS will be created. Also certain parts of the spec are complete for Rel-4, whilst other parts will be completed in June for late inclusion in Rel-4.	APPROVED
9.1	NP-010038		WID	Interworking between IM CN subsystem and CS networks	CN3	Keith Drage questioned 24.228 should be listed in 'New Specifications' or 'Affected existing specifications'. Norbert states it is good to have all new specs created as a result of the Work Item under NEW SPECIFICATIONS. Any other specs (even if not yet under change control) affected by this WI are listed in AFFECTED EXISTING SPECIFICATIONS Stephen H. agrees with this principle to be applied across TSG_CN WGs.	APPROVED
9.1	NP-010039		WID	Interworking between IM CN subsystem and IP networks	CN3		APPROVED
9.1	NP-010106		WID	SIP call control protocol for the IM subsystem	CN1		REVISED TO 0143 before meeting
9.1	NP-010143	NP-010106	WID	SIP call control protocol for the IM CN subsystem (from N1_16)	CN1		APPROVED
9.1	NP-010140		DISCUSSION DOC	Editorial comments to TS 24.229 (from N1_16)	CN1		WITHDRAWN
9.1	NP-010141		DISCUSSION DOC	Editorial comments to TS 24.229 (from N1_16)	CN1		WITHDRAWN
9.1	NP-010142		DISCUSSION DOC	Addition of path header procedures 24.229 (from N1_16)	CN1		WITHDRAWN
9.1	NP-010144		Call FLOWS	Proposed flows for registration exception conditions 24.228 (from N1_16)	CN1		WITHDRAWN
9.1	NP-010145		Call FLOWS	Proposed flows for session establishment exception conditions 24.228 (from N1_16)	CN1		WITHDRAWN

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
9.1	NP-010184		DISCUSSION DOC	Excerpt from latest version of TS 23.228 on IM services concepts	Motorola	Presented for information to CN. Hi-lights the work being done on the SIP+ protocol. Delegates are invited to read the document offline. Yun-chao asked if ALL the mechanisms to provide services In the IM domain are to be supported. It is understood that ability to support all 3 of these platforms (OAS/CAMEL/SIP+) will be a part of Rel-5. Thus SIP+ will need to be developed for Rel-5.	NOTED
9.1	NP-010200		DISCUSSION DOC	IP Based multimedia Services Framework Specification Proposal	SBC Communications	Iain Sharpe asked about the purpose of the document. Randolf clarified that this should be viewed as a guideline document, although it may be migrated to a TS/TR following further study. The Ad Hoc will be the group provide the answers on this. Keith Drage cannot understand how this document defines / restrains the ongoing work within CN.	NOTED
9.2	NP-010137		WID	IP & PS based emergency Call in R5 (from N1_16)	CN1	As with the CS emergency calls, the requirement for callback is removed for IP & PS emergency calls.	APPROVED
9.7	NP-010090		WID	FS on SS7 signaling transportation in the core network with SCCP-User Adaptation (SUA)	CN4	This WID contained within this document has been approved by CN4. However a revised version is proposed in NP-0185 which includes additional supporting companies and slightly changed text.	NOTED
9.7	NP-010097		DISCUSSION DOC	Core Network Standardization principles	NTT DoCoMo	Peter Kobringer asks how far we should go with implementation examples. Nakamura-San suggested putting the examples into a 3GPP TR. Keith questions to the conclusion which seems to be left wide open in requesting that we examine the network optimization and what effect it has on Work Items. Does this involve re-examining the network architecture and how far do we go back? Ahti Muhonen states that there are other techniques for reducing signaling load (e.g. GLR and the super-charger). These do not require the introduction of implementation examples in addition to the functional architecture. Keith Drage is concerned that the conclusions in this contribution could lead to bypassing the normal method for generating a work item, which requires support from 4 or more companies. Peter K. agrees with Keith that today we have a logical approach to standardization starting with requirements, architecture and interfaces / protocol. This document prepossess a change to that approach. Nakamura-San ensured this is not the intention and stated that designing the logically protocols can cause problems in the final implementation phases for network optimization. Mikko, Keith, Peter and Harald were against the designing of system by the use of implementation examples. Ian Park stated that interoperability should always be ensured. However the benefit of one operator cannot prejudice other operators. It is important to do a cost benefit exercise. Reduction in signaling load is not the only consideration. Combining completely different nodes, although reducing signaling does not automatically give a better implementation. Iain supported this view. There was no support for this document and therefore CN does not support these principles.	REJECTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
9.7	NP-010098		Other	Network optimization	NTT DoCoMo	Stephen asks whether the intention is to pursue network optimization generally, or specifically the application of the integrated SGSN/MSC/VLR. Tani-san indicates that CN4 should proceed with the integrated approach. Ahti hi-lights the fact that the text in 23.002 which is quoted by DoCoMo is a NOTE and hence not normative; putting a combined SGSN/MSC/VLR into the architecture would require a decision by SA2. Peter K adds that SA2 have indicated explicitly that the combined node will not be part of the REL4 or REL5 architecture. Tani-san agrees that this approach will require changes to the MAP protocol, but he says that this can be done with zero impact on networks which don't want to support combined MAP signaling. Peter K and Ian Park are concerned that introducing the combined node in one visited network will have an impact on a home network whose operator doesn't support it. Nakamura-san suggest that they can provide a set of contributions explaining how the integrated node can be introduced. Stephen asks for a show of hands on support for the principles in this contribution. Consensus was not reached in the meeting and the document was rejected. CN4 is not directed by TSG_CN to work on network optimization via the combined approach.	REJECTED
9.7	NP-010185		WID	WID for Feasibility study on SS7 signaling transportation in the core network with SCCP-User Adaptation (SUA)	Motorola	The WID now has the required number of supporting companies and more complete text than the previous version. Keith Drage expected an item that studies the interop. issues (on the M3UA layer). Ian Doig agreed that this needs to be added to the WID. Also the Item 6 of objectives is recommending the outcome of the FS and should be removed. Yun-Chao stated the Timescales are very ambitious and there may well be some delays. Nigel Berry commented to the Security section where it is recommended to examine IPSec instead of MAP Application. Stephen suggests that the difference between link-by-link (M3UA) and end-to-end (SUA) may be significant.	REVISED TO 0221
9.7	NP-010221	NP-010185	WID	WID for Feasibility study on SS7 signaling transportation in the core network with SCCP-User Adaptation (SUA)	Motorola		APPROVED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
10.2	NP-010034		ToR	Updated ToR TSG_CN WG3	CN3	Tamura-San asked what future dependency there will be on CN4 for GTP. Norbert replied that there will still be dependencies on CN4. However it is believed that when CN3 begins work on QoS the dependency on CN4 will reduce. Ahti (Nokia) - when discussed in CN4 several companies were against the move and that is still the case at the plenary. Motorola also are against the move as the experts are presently within CN4. Nigel Lucent asked if the motivation of GTP move was only load balance. Iain (Nortel) believes GTP is better held within CN4. No companies showed support for the move and therefore TSG_CN agreed that GTP remain within CN4. Norbert added that CN3 believes the future of GTP lies within the QoS and therefore CN3, however he accepts the plenary decision and will report it back to CN3. Ian Park added that the initial proposal was mainly planned at reducing the work load of CN4. Yun-Chao agrees that the work load within CN working groups is not evenly spread. However there are even more important differences within TSG_CN especially concerning CN1. It would be preferable to examine the work load across all CN working groups. Nigel suggests that following the completion of BICC within CN4, the future work load of CN4 may drop off. Norbert stated that even of GTP in not transferred there are some changes to the ToR that are required. Therefore the changes to the CN3 ToR (without the GTP changes) were revised.	REVISED TO 0222
10.2	NP-010222	NP-010034	ToR	Updated ToR TSG_CN WG3	CN3		APPROVED
10.2	NP-010132		ToR	Draft update of CN5 ToR for submission to CN#11 for approval	CN5	The CN5 ToR were available at the last CN5 meeting, but there was not enough time to agree them. There were only some editorial changes to the ToR. Stephen said that there is no urgency to get the ToR approved at this meeting as the changes are pure editorial.	REFERRED BACK TO CN5
10.2	NP-010220		ToR	CN4 Updated ToR	CN4	Following the discussion on GTP and the decision that GTP will remain within CN4, the revisions to the CN4 ToR are not required	WITHDRAWN
11	NP-010027		CR	CR004 to 21.101	JMM, MCC	Ian Doig asked what FUD means. JMM clarified 'Fear Uncertainty and Doubt' although it does not appear in the official 3GPP vocab document. This CR will be presented to SA next week for approval	NOTED
11	NP-010028		TR	21.102 v2.0.0	JMM, MCC	This CR will be presented to SA next week for approval	NOTED
11	NP-010029		TR	41.102 v2.0.0	JMM, MCC	Note there is a reference to GSM 01.04 and there is an initiative to move the contents onto 21.905. Will be presented to SA next week for approval	NOTED
11	NP-010048		LIST	Specs status list prior to TSGs#11	JMM, MCC	Ian Park asked what is mechanism is to be used for updating the rapporteur entries? JMM clarified that it should be done via the MCC support for each group. In response to a question from Hannu - JMM clarified that all the status list are available on the 3GPP web page. Additionally these web based lists contain hyperlinks to the specification directory.	NOTED
11	NP-010059		LIST	Spec numbers and titles	JMM, MCC	Comments on this document should be sent back to back to JMM via the MCC route.	NOTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
11	NP-010096		LIST	Release 4 specs expected to be created in March 2001	JMM, MCC	Keith D. informed JMM that 23.121 is not required. Ian Doig informed JMM that 41.00 is not required to be updated. JMM clarified that:- 'Closed release' means no changes are permitted to it. 'Frozen release' means we cannot allow editorial corrections. Also the CN5 split specifications will be added to this list before presentation to SA#11.	NOTED
12	NP-010049		SLIDES	MCC review of the Work Plan	MCC	Comments to the Work Plan were taken on line. On SLIDE 7 - Stage 3 specification TS 29.205 - spec number incorrect, it should be changed to TS 29.202· On SLIDE 15 - "Open issues like relationship with codec control not to be studied (N4 agreement"). - THIS IS NOT CORRECT - It has been studied and the study is complete - · On SLIDE 17 - GTT has not been handed over from SA to CN4. Understand Rel-4 is mainly the respo. of SA4 and Rel-5 is yet to be determined Requirement to ADD a new slide for ODB Rel-4 WI completed at CN#11· On SLIDE 21 - AMR is shown as complete - but there is a small amount of work remaining for CN1.· On SLIDE 48 - More detail required on LCS building blocks GENERAL COMMENT NEED Release Info instead of date info. June 2001 could be late Rel-4 or early Rel-5 not clear in slides	DISCUSSED
12	NP-010105		WORK PLAN	Work Plan - version March 9th	MCC	Comments were take to the content of the Work Plan. CS split now 100% done in CN4· Em. call enhance 100% complete CS multimedia services to be DELETED· Fax 100% complete GTT 40% complete BMWPN to be DELETED· OSA enhanc. 20% complete (AZ will update for SA)· WB AMR in CN1 stays at 0%· TrFO: CN1 & CN4 both 100% complete IWF at edge to be DELETED· TFO work in CN: Yun-Chao reckons >0% but doesn't know how much... Stephen suggests leave at 0% since we don't know. Location services: · Leave event based & periodic LCS at 0% for now; QoS: 0% for stage 3 is still valid. Interactions with ext. QoS mech.: 0%· New codepoints for QoS in CN1 (1659): 0%· IPSec for GTP is now complete in CN4.· ASCI for Rel4: CN1 is now 100% complete. Iain S adds that CN4 work is 100% complete. ODB at 100% complete NEEDS TO BE ADDED to P-PLAN· CN1 work on low chip rate TDD is 100% complete.	NOTED
12.1	NP-010035		WORK PLAN	Updates to W-Plan from CN3	CN3		NOTED
12.1	NP-010053		WORK PLAN	Updates to W-Plan from CN2	CN2		NOTED
13	NP-010026		CR	CR014 to 21.900	JMM, MCC	Note: This should be a REL-4 CR (on cover sheet). Will be changed before presentation to SA#11 for approval.	NOTED
14	NP-010112		Candidature	Candidature for Stephen Hayes	Ericsson	Stephen Hayes was elected by acclamation as the chairman of TSG_CN	NOTED
14	NP-010113		Candidature	Candidature for Kunihiko Taya	NTT DoCoMo	Kunihiko Taya was elected by acclamation as the vice chairman of TSG_CN	NOTED
14	NP-010114		Candidature	Candidature for Ian Park	Vodafone	Ian Park was elected by acclamation as the vice chairman of TSG_CN	NOTED

Ag.	TDoc	Orig. Tdoc	Type	Tdoc Title	Source	Discussion	Status
17	NP-010109		DISCUSSION DOC	Not covered roaming situations	France Télécom	The document requests CN and CN1 in particular to address these non-covered roaming issues. It identifies three problem cases for roaming between operators who don't have both UMTS and GSM coverage & roaming agreements. Peter Kobringer states that the identification of UMTS subscriber and GSM subscriber is not a correction - this is new functionality that requires a new work item, and due to the Timescale restraints it would have to be a Rel-5 WI. Andrew Howell- in light of problems with GPRS it would be good to examine this now in order to avoid backward corrections at a later time. Edgar said some if these situations could be resolved by using intelligently the PLMN codes. It was agreed that France Telecom should develop a work item and get support from other companies. Regis Dubois said this problem exists also for R99. Stephen said the work resulting from the work item should also consider problems to the earlier releases. Stephen urged companies to study this topic and present contributions to CN4 and CN1.	DISCUSSED

ANNEX C. TSG_CN#11 Participants List

Title	Name	Firstname	pers_role_cbo	Orga_cbo
Mr.	Allen	Andrew		MOTOROLA SEMICONDUCTOR ISRAEL
Mr.	Allison	Rick		TEKELEC Network
Mr.	Andersen	Niels Peter Skov		MOTOROLA A/S
Mr.	Aslam	Mohammed		Samsung Electronics Co., Ltd
Mr.	Berry	Nigel. H		Lucent Technologies N. S. UK
Mrs.	BIGNON	Marianne		ALCATEL France
Mr.	Blomberg	Olavi		SONERA Corporation
Mr.	Boswarthick	David		ETSI Secretariat
Mr.	Brook	Richard		SAMSUNG Electronics
Mr.	Dettner	Harald		SIEMENS AG
Mr.	Doig	Ian		MOTOROLA S.A.
Mr.	Donat	Peter		FEEI
Mr.	Drage	Keith		Lucent Technologies N. S. UK
Mr.	Dubois	Régis		France Telecom
Mr.	Garrahan	James		T1 Standards Committee
Mr.	Hayes	Stephen	Chairman	Ericsson Inc.
Mr.	Hietalahti	Hannu		NOKIA UK Ltd
Mr.	Holmström	Tomas		ERICSSON L.M.
Mr.	Howell	Andrew		MOTOROLA GmbH
Mr.	Hu	Yun-Chao		ERICSSON L.M.
Mr.	Jones	Gary		VoiceStream Wireless Corp.
Mr.	Jorgensen	Per Johan		ETSI Secretariat
Mr.	Kanerva	Mikko		NOKIA Corporation
Mr.	Klehn	Norbert		SIEMENS AG
Mr.	Klostermann	Lucas		ERICSSON L.M.
Mr.	Kobriger	Peter		ERICSSON L.M.
Mr.	Kymalainen	Kimmo		ETSI Secretariat
Mr.	Li	Peng		QUALCOMM EUROPE S.A.R.L.
Mr.	Lycksell	Edgar		TELIA AB
Mr.	Mecrow	Steve		BT
Mr.	Mitamura	Kazuo		NTT Communication Ware Corp.
Mr.	Miyagawa	Sumio		Siemens K.K.
Mr.	Muhonen	Ahti		NOKIA Corporation
Mr.	Musgrove	Peter		AT&T Wireless Services, Inc.
Mr.	Nakamura	Hiroshi	ViceChairman	NTT DoCoMo Inc.
Ms.	Napolitano	Antonella		BLU S.p.a
Mr.	Nielsen	Kim Abildgaard		Dansk MobilTelefon I/S
Mr.	Noda	Akishige		Fujitsu Limited
Mr.	Palviainen	Keijo		NOKIA Corporation
Mr.	Pan	Wei		CATT
Mr.	Park	Ian David Chalmers	ViceChairman	VODAFONE Group Plc
Mr.	Perino	Massimo		OMNITEL
Mr.	Prenatt	Daniel		AirNet Communications Corp.
Mr.	Rehbehn	Kenneth		Megisto Systems Inc.
Mr.	Reichl	Wolfgang		ÖFEG
Mr.	Sampson	Nick		ORANGE PCS LTD
Dr.	Schlanger	Gary		AT&T Corp.

Title	Name	Firstname	pers_role_cbo	Orga_cbo
Mr.	Sharp	Iain		NORTEL NETWORKS (EUROPE)
Ms.	Sheng	Lei		CWTS
Dr.	Shively	David		Cingular Wireless LLC
Ms.	Sierra	Pilar		TELEFONICA de España S.A.
Mr.	Soininen	Jonne		NOKIA Corporation
Mr.	Tamura	Toshiyuki		NEC Corporation
Mr.	Tani	Naoki		NTT DoCoMo Inc.
Mr.	Taya	Kunihiko		NEC Corporation
Mr.	Toth	Stefan		ERICSSON L.M.
Mr.	Wan	Tak Wing		Rogers Wireless Inc.
Miss	Wang	Jie		CWTS
Mr.	Wild	Peter		MANNESMANN Mobilfunk GmbH
Mr.	Wohlert	Randolph		SBC Communications Inc.
Dr.	XU	Huan		TEKTRONIX GmbH & Co KG
Mr.	Yahagi	Masahiko		NEC Corporation
Mr.	Yokota	Fumihiko		Fujitsu Limited
Mr.	Yokota	Daisuke		Lucent Technologies Japan Ltd.
Mr.	Yoshino	Keiji		TTC
Mr.	Yuhan	Albert		VoiceStream Wireless Corp.
Mr.	Zoicas	Adrian		ETSI Secretariat

History

Document History	
20th March 2001	DRAFT v0.1.0 Presented to TSG-SA#11
28th March 2001	DRAFT v1.0.0 send to TSG_CN Officials for comments
6th April 2001	DRAFT v1.1.0 dispatched to the TSG-CN mail exploder for comments. Comments to be addressed to: Mr. David Boswarthick, 3GPP TSG CN MCC Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 E-mail: david.boswarthick@ETSI.fr A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report. **E-mail comments back by 20th April 2001**
10th May 2001	DRAFT v2.0.0 placed on the FTP server [inc. delegates comments]
13th June 2001	*Final v2.1.0 [NP-010226]approved at TSG#12 Meeting in Stockholm – Made version 3.0.0 and placed to server as the official meeting report.*