

# Third Generation Partnership Project

## STATUS REPORT v3.0.0

### 3GPP TSG-CN#10

Bangkok, Thailand  
6th – 8th December 2000



Hosted by UNISYS

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## 1 Opening of the meeting

A welcome introduction was given by Mr. Gerfried Handke of Unisys Deutschland GmbH. 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). The chair thanked the hosts for the meeting arrangements.

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## 2 Approval of Agenda

The agenda was approved (NP-000591).

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## 3 IPR Declarations

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

The delegates were invited :

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

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## 4 Items for External Attention

### 4.1 For SA Attention

#### 4.1.1 OSA CRs to 23.127

3 OSA CRs are being liaised to SA. These are R'99 CRs to the sections of 23.127 for which CN5 has responsibility. Since SA2 has ownership of this specification, CN requests that SA approve the CRs in SP-000637 (NP-000746).

#### 4.1.2 Need for WI on Intersystem Roaming

SA3 has requested CN4 to develop the protocol changes to support positive authentication reporting for 3GPP2 subscribers. Although the security work is covered under the SA3 WI "Enhanced home control of security", it is the view of TSG-CN that this work cannot be done without the context for understanding how a 3GPP2 subscriber would be supported in a 3GPP network. TSG-CN recommends that a WI on intersystem roaming be initiated by TSG-SA if support of 3GPP2 subscribers in 3GPP networks is to be provided. This is described in liaison SP-000638 (NP-000747).

#### 4.1.3 Operator Determined Barring for PS Networks.

TSG-CN has endorsed the principle of a WI for ODB for GPRS. Although SA1 has provided these requirements, there are dependencies on SA2. Since groups outside of CN are affected, the WI was not approved at this meeting. CN2 and CN4 are tasked with reviewing and refining the work item for approval at TSG-CN#11. Providing there are no objections to the work assigned to SA1 and SA2, CN will approve this work item at CN#11. The current target for this WI is Rel-4 even though there is a significant chance that it will not be ready in March. The liaison is SP-000618 (NP-000735).

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## 5 Release '99 Workitems

### 5.1 CAMEL Phase 2

CRs in NP-000614 and NP-000635 were approved.

TSG-CN endorsed the principle that support of CAMEL phase 2 implies support of CAMEL phase 1. The general applicability of this principle to later CAMEL releases is for further study in SA1.

## **5.2 CAMEL Phase 3**

CRs in NP-000615, NP-000618, NP-000714, NP-000715, NP-000716, NP-000741 were approved.

## **5.3 Security**

CRs in NP-000637 and NP-000672 were approved.

## **5.4 EDGE**

CRs in NP-000668 were approved.

## **5.5 TEI**

CRs in NP-000604, NP-000638, NP-000673, NP-000674 were approved. The CR in NP-000687 (V.44 support in SNDCCP) was rejected.

## **5.6 ASCI**

CRs in NP-000639 and NP-000722 were approved.

## **5.7 CF Enhancements**

CRs in NP-000640 were approved.

## **5.8 GPRS**

CRs in NP-000641 and NP-000670 were approved.

The plenary agreed to a working assumption that 29.060 should be changed to align with 23.060 (referred to as solution 2 in NP-000593). Possible technical problems in sequence numbering were discussed in NP-000695. It was agreed that CN4 would work to evaluate and find a solution to the identified problem. A liaison to RAN, RAN3, and SA2 was drafted indicating the working assumption (NP-000728).

A problem with GRPS roaming was presented (NP-000697). This problem is due to lack of a PS roaming agreement between operators and can lead to the blocking of GPRS service in the home PLMN until the mobile is powered off. It was agreed that this is a significant error and it is due to an oversight in meeting the original requirements. CN1 was urged to investigate the problem and develop a solution as rapidly as possible. CN1 should attempt to find a long term fix as opposed to simply redefining the behaviour of cause code #7. Operators are also warned against using cause code #7 to reject GPRS registrations from roamers.

## **5.9 GTP Enhancement**

CRs in NP-000642 were approved.

## **5.10 Handover**

CRs in NP-000643 were approved.

CN4 will review the upper size limit of RANAP messages over the E-interface (CRs 209 and 212) and produce corrective CRs if required.

## **5.11 GSM-UMTS interworking**

CRs in NP-000671 and NP-000724 were approved.

One set of SDLs to 23.009 is missing, but will be provided for approval by the next CN plenary.

## **5.12 CS Bearers in UMTS**

CRs in NP-000605 were approved.

## **5.13 OSA**

CRs in NP-000718, NP-000720, NP-000742 were approved.

3 OSA CRs are being liaised to SA for approval (NP-000746). These are R'99 CRs to the sections of 23.127 for which CN5 has responsibility. Since SA2 has ownership of this specification, CN requests that SA approve the CRs.

## 5.14 USSD

CRs in NP-000646 and NP-000647 were approved.

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## 6 Rel-4 and Rel-5 Workitems

### 6.1 Evolution of Transport in the CN

A WI for #7 Signalling over IP in CN (NP-000736) was approved. This WI is for Rel-4.

### 6.2 Provisioning of IP-Based Multimedia Services

The WI for the CSCF-HSS (Cx) Interface (NP-000725) was approved. This is targeted for Rel-5.

A revised version of the SIP Call Control protocol WI (NP-000727) was approved. This is targeted for Rel-5.

Initial versions of 23.cde, 24.228, and 24.229 were discussed. These are not yet presented for information (not raised to version 1.x.x yet). A specification number for 23.cde will be allocated soon.

Concern was raised that 23.cde seems to go into excessive detail on CAMEL handling. It was agreed that the principle for 23.cde is that it should cover mandatory handling. Hooks for optional features and services should be described but not the details of the optional handling. Note that this does not imply that all mandatory functionality will be covered in this document, other specs may be needed. It was also noted that the descriptive method for 23.cde will probably be SDL. The scope of 23.cde should also be tightened.

CN1 will have ownership of 23.cde, but since it spans multiple CN WGs, the initial work on 23.cde may best be handled in drafting sessions co-located with the collocated CN WG meetings.

### 6.3 Emergency Call Enhancements

A revised version of the CS Emergency Call Enhancements WI (NP-000743) was approved. This is targeted for Rel-4.

A revised version of the PS Emergency Call Enhancements WI (NP-000665) was approved. This is targeted for Rel-5.

### 6.4 Enable Bearer Independent CS Architecture

TS 23.205 (Bearer Independent CS Core Network; Stage 2) was presented for information.

TS 29.232 (Media Gateway Controller (MGC) – Media Gateway (MGW) Interface; Stage 3) was presented for information.

It was noted that BICC CS2 was determined in ITU.

A proposal (NP-000692) to require selection of a single inter MSC server call control protocol was discussed. It was agreed that it was premature to decide how many protocols are appropriate at this time. CN4 will continue to work with the assumption that multiple protocols may be supported.

### 6.5 Bearer Modification without pre-notification

It was noted that this WI may be withdrawn. However since SA1 has responsibility for the motivating requirement, formal withdrawal will be synchronized with the approval of CRs from SA1 removing the requirements. Much of the intended functionality can be handled under the multimedia swap and fallback WI.

### 6.6 CAMEL Phase 4

CAMEL Phase 4 now seems to be targeted for Rel-5. It was agreed that even though this might cause some confusion, it would be more confusing to start renaming the CAMEL phases or skip a phase. The existing naming is kept.

The CR in NP-000648 is postponed. It will be remitted to CN2 to include in the complete package of CAMEL phase 4 CRs.

## **6.7 Transcoder-Free Operation (TrFO)**

The TrFO work seems to be progressing well (NP-000655).

The implications of lawful interception were discussed, but it was considered too early to assess the impacts of this requirement.

TS 23.153 (Out of Band Transcoder Control – Stage 2) was approved and will be raised to version 4 after some minor editorial changes.

The CR in NP-000676 was approved.

## **6.8 Security Enhancements**

SA3 has requested CN4 to develop the protocol changes to support positive authentication reporting for 3GPP2 subscribers (NP-00595, NP-000748). Although the security work is covered under the SA3 WI “Enhanced home control of security”, it is the view of TSG-CN that this work cannot be done without the context for understanding how a 3GPP2 subscriber would be supported in a 3GPP network. TSG-CN recommends that a WI on intersystem roaming be initiated by TSG-SA if support of 3GPP2 subscribers in 3GPP networks is to be provided. This is described in liaison NP-000747.

## **6.9 ASCI**

A WI for ASCI (NP-000730) was approved. This WI is for Rel-4.

CRs in NP-000649, NP-000650 were approved.

43.069CR005r1 in NP-000667 was approved, but later rejected due to problems in implementation of the CR. This will be studied in the next CN1 meeting

## **6.10 Miscellaneous Rel 4 & Rel 5 Items**

A liaison on terminal capabilities from T2 was discussed (NP-000729). It was agreed that SA should first address the overall service requirements for capability reporting before CN undertakes protocol work.

CRs in NP-000606 “CS Bearers” [Removal of BS30 NT] – Rel4 were approved.

CRs in NP-000669 on GERAN support for 700 MHz band – Rel4 were approved.

A WI on TEI4 – Rel 4 (Support of V.44 Data Compression in SNDSCP) (NP-000675). was approved. A liaison was drafted to SA2 asking for the rationale of supporting compression in SNDSCP and not in PDCP (NP-000739).

A WI for CN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes (NP-000737) was conditionally approved. This WI is for Rel-4. It was noted that the WI depends on a companion WI for the study of the architectural impact of Intra Domain Connection of RAN Nodes to Multiple CN Nodes, which needs to be approved by TSG-SA before the work can be carried out in CN.

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## **7 Work Organization**

### **7.1 CN1 ToR**

The CN1 ToR have been updated to reflect additional IM responsibilities. The modified ToR (NP-000712) were approved.

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## **8 Workplan/Projectplan**

### **8.1 Review of Project Plan**

The latest version of the project plan (NP-000688 and NP-000689) was reviewed. Changes from CN1, CN2, CN3, and CN5 have been incorporated. Changes from CN4 leadership have not been endorsed by the WG and due to their late arrival have not been incorporated yet.

It was agreed to try to use the unique ID field for tracking work tasks. It was acknowledged that mishandling within MS Project could cause instability in that field, but the MCC felt that since the document was under their control, they could ensure its integrity.

CN applauds the MCC for the improvements it has made to the project plan change tracking (NP-000690). A mechanism to track the creation and deletion of WIs is also desirable.

## **8.2 Release Planning**

TS 21.102 (Specs for Rel-4) was presented. It was agreed that the default mode of operation within CN is that all specifications are automatically upgraded at the trigger point for the next release. If there is a specification which should not be upgraded, this exception needs to be specifically noted. CN WGs are to report any such exceptions (for Rel-4) at CN#11. An equivalent document for Rel-5 is targeted for March 2001.

WGs should review the specification list (NP-000628) and report any discrepancies to the MCC.

## **8.3 Future Meeting Schedule**

The future meeting schedule is presented in NP-000733. The joint meeting schedule for the WG meetings in Beijing is also listed in this document.

It was agreed that the CN4 chair will make a judgement call based on the volume of R99 work as to whether parallel sessions of CN4 are needed in Beijing.

It was agreed to try to align the November 2001 CN WG meetings to allow hosting by the NA Friends of 3GPP. The groups will shift to avoid Thanksgiving (now known to be on November 22, 2001).

CN5 will be shifting to a 6 week meeting schedule. The 2001 meeting schedule for CN5 is not yet known, but alignment with the collocated meetings will be considered in making up the CN5 schedule.

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## **9 Working Methods/Work Style**

In response to a liaison from SA1 on TR 21.905 (3GPP Vocabulary), the specification rapporteurs are tasked with synchronizing their specifications with 21.905. This includes quoting 21.905 as a reference and ensuring that missing terms and definitions are included in 21.905. This information should be communicated to SA1 via a liaison to ensure traceability.

A sweep by the rapporteurs should be made through the specifications for use of "for GSM" and "for UMTS". For those instances where the context is such that the terminology decision to use the "A/Gb" and "lu" notation applies, corrective CRs should be generated.

All CN WGs should pay attention to CR categories (all releases) and to the criteria for accepting corrections to frozen releases (R99 and earlier).

The proposed CRs to 21.900 were endorsed by CN (NP-000625). The proposed change to the stock References text (NP-000657) was also endorsed.

CN endorsed the creation of a generic TE&I WI (NP-000691). It was noted that TSG-CN is responsible for preventing misuse of this WI for CRs under its remit.

The IETF Collaboration agreement (NP-000711) was provided for information. It was noted that CN1 has already established more detailed working procedures that are consistent with the terms of the collaboration.

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## **10 Support Arrangements**

The group recognized Ban Al-Bakari for her hard work. This is her last meeting as part of the MCC.

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## **11 Close of Meeting**

The meeting was adjourned at 16:00 on Friday, December 8, 2000.



## ANNEX A:OUTPUT MATERIAL

### A.1 Liaisons Approved to be sent following TSG-N#10

<i>NP_Tdoc</i>	<i>Title</i>	<i>LS to</i>	<i>LS Copied</i>	<i>LS attachments</i>	<i>Sent</i>
NP-000728	LS to RAN, RAN3 and SA2 GTP Tunnel Addressing at GGSN	RAN, RAN3	SA2	NP-000593	07/12/00
NP-000739	LS to SA2 cc CN1 on V.44 Data Compression in Sndcp	SA2	CN1	none	10/12/00
NP-000746	LS to SA (cc SA2)on maintenance of TS 23.127 [becomes SA -637]	SA,	CN5, SA2	N5-000265, N5-000266, N5-000291	10/12/00
NP-000747	LS to SA on intersystem roaming [becomes SA -638]	SA			10/12/00

### A.2 New TSs /TRs Approved at TSG-N#10

<i>NP_Tdoc</i>	<i>TR / TS</i>	<i>Title</i>	<i>New_Ver.</i>	<i>Release</i>	<i>WG Ownership</i>
NP-000653	TS 23.153	Out of Band Transcoder Control Stage 2	v4.0.0	Rel-4	CN4

### A.3 New / Revised Work Items Approved at TSG-N#10

<i>NP_Tdoc</i>	<i>Title</i>	<i>for Release</i>
NP-000725	IP Multimedia CN Subsystem, CSCF-HSS (Cx) interface <b>(CN4, SA2)</b>	Rel-5
NP-000727	SIP Call Control protocol for the IM Subsystem <b>(CN1, SA2)</b>	Rel-5
NP-000730	ASCI R00 Work Item <b>(CN1, CN4)</b>	Rel-4
NP-000736	Work Item Description for Release 4: "#7 Signaling over IP in Core Network <b>(CN4, CN2, CN1)</b>	Rel-4 / Rel-5
NP-000737	CN Work for Intra-domain connections of RAN nodes to multiple CN nodes <b>(CN1)</b>	Rel-4
NP-000743	CS based Emergency Call in Rel-4 <b>(CN1, SA1)</b>	Rel-4
NP-000665	PS based Emergency Call in Rel-5 <b>(CN1, SA1)</b>	Rel-5

## A.4 CRs Approved at TSG-N#10

Tdoc	Spec	CR	Rev	Phase	Cat	to Ver	WG	Subject	Workitem
NP-000604	03.10	A013		R99	F	8.2.0	N3	TCH/F32.0 reference models	T.E.I
NP-000606	03.10	A014		Rel-4	C	8.3.0	N3	Removal of BS 30 NT	TEI4
NP-000722	03.67	A006	3	R98	F	7.1.0	N4	removal of wrong description	ASCI
NP-000614	03.78	A159	5	R97	F	6.7.0	N2	Correction on CF notification	CAMEL2
NP-000614	03.78	A160	5	R98	A	7.4.0	N2	Correction on CF notification	CAMEL2
NP-000670	04.08	A1051		R97	F	6.12.1	N1	Correction of update status on Authentication Reject	GPRS
NP-000670	04.08	A1053		R98	A	7.9.1	N1	Correction of update status on Authentication Reject	GPRS
NP-000604	04.21	A020		R99	F	8.2.0	N3	Removal of the 1200/75 bit/s data rate and general clean-up	T.E.I
NP-000605	04.21	A021		R99	F	8.2.0	N3	Handover for 56kbit/s	CS Bearers
NP-000606	04.21	A022		Rel-4	C	8.3.0	N3	Removal of BS 30 NT	TEI4
NP-000670	04.64	A145		R99	F	8.5.0	N1	Correction in TOM protocol header	GPRS
NP-000670	04.64	A146		R97	F	6.7.0	N1	Correction of IOV-UI negotiation	GPRS
NP-000670	04.64	A147		R98	A	7.3.0	N1	Correction of IOV-UI negotiation	GPRS
NP-000670	04.64	A148		R99	A	8.5.0	N1	Correction of IOV-UI negotiation	GPRS
NP-000675	04.65	A072		Rel-4	C	8.1.0	N1	Support of V.44 Data Compression in SNDCP	TEI4
NP-000604	08.20	A009		R99	F	8.2.0	N3	Removal of the 1200/75 bit/s data rate and general clean-up	T.E.I
NP-000646	09.02	A308	2	R98	A	7.5.1	N4	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	USSD
NP-000646	09.02	A309	2	R97	F	6.8.0	N4	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	USSD
NP-000635	09.02	A313		R97	F	6.9.0	N4	Clarification in supported CAMEL Phases	CAMEL Phase 2
NP-000635	09.02	A314		R98	A	7.6.0	N4	Clarification in supported CAMEL Phases	CAMEL Phase 2
NP-000673	09.08	A140		R99	F	8.0.0	N1	Addition of Common Id procedure on the E-interface	TEI
NP-000642	23.003	024		R99	F	3.6.0	N4	Moving of Annex A to 3G TS 23.003.	GTP enhancement
NP-000671	23.009	013		R99	F	3.4.0	N1	GSM to UMTS Handover: Directed Retry	GSM/UMTS interworking
NP-000671	23.009	014		R99	F	3.4.0	N1	GSM to UMTS Handover: MAP parameter Target Cell ID	GSM/UMTS interworking
NP-000724	23.009	015	2	R99	F	3.4.0	N1	GSM to UMTS Handover: Location Reporting in 3G MSC B	GSM/UMTS interworking
NP-000671	23.009	016	1	R99	F	3.4.0	N1	Subsequent Handover procedure corrections	GSM/UMTS interworking
NP-000671	23.009	017	3	R99	F	3.4.0	N1	Missing Subsequent Handover scenarios	GSM/UMTS interworking
NP-000673	23.009	019		R99	F	3.4.0	N1	Reference clean-up	TEI
NP-000671	23.009	020	1	R99	F	3.4.0	N1	Indication of Intra-MSC Intersystem handover from 3G_MSC-B to MSC-A/3G_MSC-A	GSM/UMTS interworking
NP-000671	23.009	021	1	R99	F	3.4.0	N1	UMTS to GSM handover: Directed Retry	GSM/UMTS interworking
NP-000650	23.018	064		Rel-4	C	4.0.0	N4	Tidying up of Process Subs_FSM and inter-process signals.	TEI
NP-000674	23.034	005		R99	F	3.2.0	N1	Terminology corrections	TEI
NP-000639	23.067	002	2	R99	F	3.1.0	N4	Recommendation to include priority in the call proceeding message if the network is supporting eMLPP.	ASCI
NP-000649	23.067	004		Rel-4	D	3.1.0	N4	VGCS, VBS and eMLPP are not specific for this document. Those abbreviations are already described in 21.905.	ASCI
NP-000649	23.067	005	1	Rel-4	C	3.1.0	N4	To describe the MS solution when priority in paging and setup are not the same	ASCI
NP-000649	23.067	006	1	Rel-4	C	3.1.0	N4	Automatic answering	ASCI
NP-000722	23.067	007	3	R99	A	3.1.0	N4	Rewording of the automatic answering to avoid any misunderstanding, and to underline that automatic answering applies in idle mode or in case of called party pre-emption	ASCI
NP-000639	23.067	008	1	R99	F	3.1.0	N4	UTMS	ASCI
NP-000615	23.078	221	3	R99	F	3.6.0	N2	Correction on CAMEL CF and OR	CAMEL Phase 3
NP-000615	23.078	222	1	R99	F	3.6.0	N2	Corrections in clauses 3 and 4	CAMEL Phase 3
NP-000615	23.078	223	1	R99	F	3.6.0	N2	Clarification for the relationship for DPs	CAMEL Phase 3
NP-000615	23.078	224	2	R99	F	3.6.0	N2	Clarification for the CUG data in Initial DP	CAMEL Phase 3
NP-000615	23.078	225	1	R99	F	3.6.0	N2	Correction on the SDL CAMEL_Store_Destination_Address	CAMEL Phase 3
NP-000615	23.078	226		R99	F	3.6.0	N2	Correction on the SDL gsmSSF	CAMEL Phase 3

Tdoc	Spec	CR	Rev	Phase	Cat	to Ver	WG	Subject	Workitem
NP-000615	23.078	228	3	R99	F	3.6.0	N2	Correction for ambiguous description in clause 10 and 11	CAMEL Phase 3
NP-000615	23.078	229	1	R99	F	3.6.0	N2	Clarification on GPRS 'guard timer'	CAMEL Phase 3
NP-000615	23.078	230	1	R99	F	3.6.0	N2	Specifying timer range values	CAMEL Phase 3
NP-000615	23.078	231		R99	F	3.6.0	N2	Correction to 'Initial DP SMS' Information Flow	CAMEL Phase 3
NP-000714	23.078	232	4	R99	F	3.6.0	N2	First set of corrections of paragraph 6 GPRS	CAMEL3
NP-000615	23.078	233	3	R99	F	3.6.0	N2	Second set of corrections of paragraph 6 GPRS	CAMEL Phase .3
NP-000615	23.078	235		R99	F	3.6.0	N2	Correction on error implementing a CR 23.078-159r1	CAMEL Phase 3
NP-000615	23.078	236		R99	F	3.6.0	N2	Correction on error implementing a CR 23.078-194r3	CAMEL Phase 3
NP-000615	23.078	237		R99	F	3.6.0	N2	CallGap IF correction	CAMEL Phase 3
NP-000615	23.078	238		R99	F	3.6.0	N2	CAMEL3 removal of duplicate RAI	CAMEL Phase 3
NP-000618	23.078	239		R99	F	3.6.0	N2	Check_Gap_Criteria correction	CAMEL3
NP-000615	23.078	244		R99	F	3.6.0	N2	GsmSSF state transition in the case of Abandon/Disconnect is armed as an EDP-N, or when they are not armed	CAMEL Phase 3
NP-000714	23.078	248	2	R99	F	3.6.0	N2	Improved description of the location information in SGSN	CAMEL3
NP-000714	23.078	249	2	R99	F	3.6.0	N2	Error handling in ATSI	CAMEL3
NP-000714	23.078	250	2	R99	F	3.6.0	N2	Additional clarification for ATM	CAMEL3
NP-000714	23.078	255		R99	F	3.6.0	N2	Introduction of GGSN Address	CAMEL3
NP-000640	23.082	009	1	R99	F	3.4.0	N4	Correction of message between VLR and HLR.	CF enhancements
NP-000674	23.122	010	1	R99	F	3.4.2	N1	Correction of terminology "In UMTS", "In GSM"	TEI
NP-000671	23.122	012		R99	F	3.4.2	N1	Restoration of figure A.1	GSM/UMTS interworking
NP-000671	23.122	013		R99	F	3.4.2	N1	Alignment of figure 2a with PLMN selection for UMTS	GSM/UMTS interworking
NP-000605	23.910	018		R99	F	3.2.0	N3	Handover for 56kbit/s	CS Bearers
NP-000605	23.910	019		Rel-4	A	4.0.0	N3	Handover for 56kbit/s	CORRECT
NP-000673	24.002	001	2	R99	F	3.0.0	N1	CR 24.002 on Adaptations for UMTS	TEI
NP-000673	24.007	024		R99	F	3.5.0	N1	Removal of Flow Id from RR-SAP	TEI
NP-000670	24.007	025	1	R99	F	3.5.0	N1	RABMAS-SAP and RABMSM-SAP adaptation for Handling of unsynchronized PDP contexts	GPRS
NP-000671	24.007	027		R99	F	3.5.0	N1	Updating CS/PS protocol architecture figure with RABM	GSM/UMTS Interworking
NP-000671	24.007	028		R99	F	3.5.0	N1	Alignment of 24.007 to other specs	GSM/UMTS interworking
NP-000671	24.008	240	2	R99	F	3.5.0	N1	Correction on TFT setting condition	GSM/UMTS Interworking
NP-000667	24.008	262	1	Rel-4	C	4.0.0	N1	The Group or Broadcast Call Reference from the mobile station to the network	ASCI
NP-000668	24.008	263	1	R99	F	3.5.0	N1	Introduction of EGPRS for DTM	EGPRS
NP-000669	24.008	264	1	Rel-4	F	4.0.0	N1	GSM 700 addition into MS classmark & radio access capability IE	GERAN
NP-000670	24.008	267		R99	F	3.5.0	N1	Clarification to the network initiated GPRS detach procedure (IMSI detach)	GPRS
NP-000670	24.008	268		Rel-4	A	4.0.0	N1	Clarification to the network initiated GPRS detach procedure (IMSI detach)	GPRS
NP-000670	24.008	269	2	R99	F	3.5.0	N1	Unsynchronized PDP contexts handling - MS less	GPRS
NP-000670	24.008	271	1	R99	F	3.5.0	N1	APN used for detection of duplicated PDP context activation	GPRS
NP-000670	24.008	277		R99	A	3.5.0	N1	Correction of update status on Authentication Reject	GPRS
NP-000670	24.008	278		Rel-4	A	4.0.0	N1	Correction of update status on Authentication Reject	GPRS
NP-000671	24.008	282		R99	F	3.5.0	N1	Description of Timer T3317 on expiry	GSM/UMTS Interworking
NP-000671	24.008	283		Rel-4	A	4.0.0	N1	Description Of Timer T3317 on expiry	GSM/UMTS interworking
NP-000671	24.008	284		R99	F	3.5.0	N1	RR connection replaced with PS signalling connection	GSM/UMTS interworking
NP-000671	24.008	285	2	R99	F	3.5.0	N1	Removal of "recently deactivated" condition for PDP contexts and some references corrections	GSM/UMTS interworking
NP-000671	24.008	286	2	Rel-4	A	4.0.0	N1	Removal of "recently deactivated" condition for PDP contexts and some references corrections	GSM/UMTS interworking
NP-000672	24.008	289	2	R99	F	3.5.0	N1	The application of security procedures to emergency calls	Security
NP-000672	24.008	290	2	Rel-4	A	4.0.0	N1	The application of security procedures to emergency calls	Security
NP-000671	24.008	294	1	R99	F	3.5.0	N1	Updating of Bearer Capability IE	GSM/UMTS interworking
NP-000671	24.008	295	1	Rel-4	A	4.0.0	N1	Updating of Bearer Capability IE	GSM/UMTS interworking
NP-000673	24.008	300		R99	F	3.5.0	N1	3.1 kHz multimedia calls at 33.6 kbit/s data rate	TEI
NP-000673	24.008	301		Rel-4	A	4.0.0	N1	3.1 kHz multimedia calls at 33.6 kbit/s data rate	TEI

Tdoc	Spec	CR	Rev	Phase	Cat	to Ver	WG	Subject	Workitem
NP-000673	24.008	302		R99	F	3.5.0	N1	32 kbit/s UDI/RDI multimedia	TEI
NP-000673	24.008	303		Rel-4	A	4.0.0	N1	32 kbit/s UDI/RDI multimedia	TEI
NP-000670	24.008	306	1	R99	F	3.5.0	N1	Clarification of response handling of Service Request	GPRS
NP-000670	24.008	307	2	R99	F	3.5.0	N1	Clarification of RAB re-establishment	GPRS
NP-000672	24.008	308		R99	F	3.5.0	N1	Correction of the timer list	Security
NP-000670	24.008	309	1	R99	F	3.5.0	N1	Correction of PDP context duplication handling	GPRS
NP-000676	24.008	310	1	Rel-4	F	4.0.0	N1	Change of reference to 26.103 for use of codec bitmap in the Supported Codec List	TRFO-OOBTC-CODNEG
NP-000668	24.008	311		Rel-4	A	4.0.0	N1	Introduction of EGPRS for DTM	EGPRS
NP-000670	24.008	312		Rel-4	A	4.0.0	N1	Clarification of response handling of Service Request	GPRS
NP-000670	24.008	313		Rel-4	A	4.0.0	N1	Clarification of RAB re-establishment	GPRS
NP-000670	24.008	314		Rel-4	A	4.0.0	N1	APN used for detection of duplicated PDP context activation	GPRS
NP-000670	24.008	315	1	Rel-4	A	4.0.0	N1	Unsynchronized PDP contexts handling - MS less	GPRS
NP-000671	24.008	317		Rel-4	A	4.0.0	N1	Correction on TFT setting condition	GSM/UMTS Interworking
NP-000672	24.008	318		Rel-4	A	4.0.0	N1	Correction of the timer list	Security
NP-000670	24.008	319		Rel-4	A	4.0.0	N1	Correction of PDP context duplication handling	GPRS
NP-000670	24.008	320		R99	F	3.5.0	N1	DRX parameter range correction	GPRS
NP-000670	24.008	321		Rel-4	A	4.0.0	N1	DRX parameter range correction	GPRS
NP-000671	24.008	323		Rel-4	A	4.0.0	N1	RR connection replaced with PS signalling connection	GSM/UMTS interworking
NP-000674	24.011	011	1	R99	F	3.4.0	N1	Terminology CR	TEI
NP-000673	24.011	012		R99	F	3.4.0	N1	Modifications of references	TEI
NP-000639	24.067	001	1	R99	F	3.0.0	N4	eMLPP correction for GSM/UMTS use	ASCI
NP-000639	24.067	002	3	R99	F	3.0.0	N4	eMLPP correction for GSM/UMTS use	ASCI
NP-000604	27.001	041		R99	F	3.6.0	N3	Correction for 32 kbit/s UDI/RDI	T.E.I
NP-000604	27.001	042		Rel-4	A	4.1.0	N3	Correction for 32 kbit/s UDI/RDI	CORRECT
NP-000606	27.001	043		Rel-4	C	4.1.0	N3	Removal of BS 30 NT	TEI4
NP-000605	27.001	044		Rel-4	A	4.1.0	N3	Handover for 56kbit/s	CORRECT
NP-000605	27.001	045		R99	F	3.6.0	N3	Handover for 56kbit/s	CS Bearers
NP-000606	27.003	007		Rel-4	C	3.5.0	N3	Removal of BS 30 NT	TEI4
NP-000646	29.002	166	3	Rel-4	A	4.0.1	N4	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	USSD
NP-000646	29.002	167	3	R99	A	3.6.0	N4	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	USSD
NP-000716	29.002	190	1	R99	F	3.5.1	N4	Corrections of ISD data structure for CAME phase 3	CAMEL Phase 3
NP-000716	29.002	191	1	Rel-4	A	4.0.1	N4	Corrections of ISD data structure for CAME phase 3	CAMEL Phase 3
NP-000647	29.002	192	2	R99	F	3.6.0	N4	USSD corrections for Follow Me	USSD
NP-000647	29.002	193	2	Rel-4	A	4.0.1	N4	USSD corrections for Follow Me	USSD
NP-000643	29.002	195	1	R99	F	3.6.0	N4	GSM to 3G Handover: MAP parameter Target Cell ID	Handover
NP-000643	29.002	196	1	Rel-4	A	4.1.0	N4	GSM to 3G Handover: MA P parameter Target Cell ID	Handover
NP-000643	29.002	197		R99	F	3.6.0	N4	ASN.1 description of TargetCellId in MAP	Handover
NP-000643	29.002	198		Rel-4	A	4.1.0	N4	ASN.1 description of TargetCellId in MAP	Handover
NP-000643	29.002	199	1	R99	F	3.6.0	N4	IMSI in MAP PREPARE_HANOVER	Handover
NP-000643	29.002	200	1	Rel-4	A	4.1.0	N4	IMSI in MAP PREPARE_HANOVER	Handover
NP-000643	29.002	207	1	R99	F	3.6.0	N4	Alignment of the Target RNC- ID	Handover
NP-000643	29.002	208	1	Rel-4	A	4.1.0	N4	Alignment of the Target RNC- ID	Handover
NP-000643	29.002	209		R99	F	3.6.0	N4	Transport of long RANAP messages on MAPE interface	Handover
NP-000716	29.002	210	1	R99	F	3.6.0	N4	Introduction of GGSN address	CAMEL Phase 3
NP-000716	29.002	211	1	Rel-4	A	4.1.0	N4	Introduction of GGSN address	CAMEL Phase 3
NP-000643	29.002	212		Rel-4	A	4.1.0	N4	Transport of long RANAP messages on MAPE interface	Handover
NP-000605	29.007	031		R99	F	3.6.0	N3	Handover for 56kbit/s	CS Bearers
NP-000605	29.007	032		Rel-4	A	4.0.0	N3	Handover for 56kbit/s	CORRECT
NP-000606	29.007	033		Rel-4	C	4.0.0	N3	Removal of BS 30 NT	TEI4
NP-000643	29.010	008		R99	F	3.3.0	N4	GSM to 3G Handover: Location Reporting in 3G_MSC-B	Handover
NP-000643	29.010	009		R99	F	3.3.0	N4	GSM to 3G Handover: Chosen IEs in Handover Request Ack	Handover

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NP-000643	29.010	010		R99	F	3.3.0	N4	GSM to 3G Handover: MAP parameter Target Cell ID	Handover
NP-000643	29.010	011	1	R99	F	3.3.0	N4	GSM/UMTS Interworking: Mapping of cause codes	Handover
NP-000674	29.018	011		R99	F	3.4.1	N1	Terminology corrections	TEI
NP-000641	29.060	136	2	R99	F	3.5.0	N4	Compatibility GTPv0/GTPv1 in case of SGSN change	GPRS
NP-000642	29.060	149		R99	F	3.6.0	N4	Clarification on the use of Teardown Indicator	GTP enhancements
NP-000642	29.060	150		R99	F	3.6.0	N4	Correction to the PDU Notification	GTP enhancements
NP-000641	29.060	151	1	R99	F	3.6.0	N4	Editorial corrections	GPRS
NP-000642	29.060	152		R99	F	3.6.0	N4	Moving informative Annex A from 3G TS 29.060 and making it normative.	GTP enhancements
NP-000641	29.060	153	2	R99	F	3.6.0	N4	Selecting GGSN IP address	GPRS
NP-000638	29.060	154	1	R99	F	3.6.0	N4	Removal of 'Version not Supported' for GTP-U	TEI
NP-000637	29.060	157		R99	F	3.6.0	N4	Correction of Security parameters length	Security
NP-000641	29.060	159		R99	F	3.6.0	N4	MS Network Capability in MM context	GPRS
NP-000637	29.060	161		R99	F	3.6.0	N4	Clarifications to the usage of CKSN and KSI for security type 0	Security
NP-000715	29.078	118	3	R99	F	3.5.0	N2	Correction on CAMEL CF and OR	CAMEL3
NP-000715	29.078	119		R99	F	3.5.0	N2	Correction of Cause and GPRSCause	CAMEL3
NP-000715	29.078	121	1	R99	F	3.5.0	N2	Correction to CAP3 GPRS-cause	CAMEL3
NP-000715	29.078	122	2	R99	F	3.5.0	N2	CAMEL3 removal of duplicate RAI	CAMEL3
NP-000741	29.078	124	2	R99	F	3.5.0	N2	Corrections to ASN.1 errors	CAMEL Phase 3
NP-000715	29.078	125	1	R99	F	3.5.0	N2	Corrections of the stage 3 inconsistencies	CAMEL3
NP-000715	29.078	126		R99	F	3.5.0	N2	"ElapsedTime" ASN.1 Type Correction (in ACR-GPRS)	CAMEL3
NP-000715	29.078	127	1	R99	F	3.5.0	N2	CAMEL3 ASN.1 reserved word "ms" replacement by "mobile"	CAMEL3
NP-000715	29.078	128	3	R99	F	3.5.0	N2	Correction of Apply Charging Report parameter definition	CAMEL3
NP-000715	29.078	130	1	R99	F	3.5.0	N2	Addition of a parameter to indicate the SAI	CAMEL3
NP-000715	29.078	131		R99	F	3.5.0	N2	Correction of Apply Charging Report GPRS definition	CAMEL3
NP-000715	29.078	135	1	R99	F	3.5.0	N2	Introduction of GGSN Address	CAMEL3
NP-000715	29.078	136	1	R99	F	3.5.0	N2	Introduction of ellipsis for GPRS CAPv3	CAMEL3
NP-000718	29.198	025		R99	F	3.1.0	N5	Removal of the originatingAddress from the connectReq method in IpDataSession	OSA
NP-000718	29.198	026	1	R99	F	3.1.0	N5	Alignment between new ETSI document for common data and TS29.198	OSA
NP-000718	29.198	027		R99	F	3.1.0	N5	Correction of the type TpTerminalCapabilities	OSA
NP-000718	29.198	028		R99	F	3.1.0	N5	Incorrect Date and Time example in Data Definitions	OSA
NP-000718	29.198	029		R99	F	3.1.0	N5	Double IDL definition for TpGCCSEException	OSA
NP-000718	29.198	030		R99	F	3.1.0	N5	Parameter EnabledOrDisabled in TpServiceTypeDescription	OSA
NP-000718	29.198	031		R99	F	3.1.0	N5	read only is an IDL keyword	OSA
NP-000718	29.198	032		R99	F	3.1.0	N5	Error correction in the Scope definition, section 1	OSA
NP-000718	29.198	034		R99	F	3.1.0	N5	Specific exceptions for method invocations in invalid states	OSA
NP-000718	29.198	035		R99	F	3.1.0	N5	Unclear default value for TpAccessType	OSA
NP-000718	29.198	036	1	R99	F	3.1.0	N5	Unclear description for TpAuthType	OSA
NP-000718	29.198	037		R99	F	3.1.0	N5	TpInterfaceName in method obtainInterface()	OSA
NP-000718	29.198	038		R99	F	3.1.0	N5	Correction on numbering in TpCallAppInfoType	OSA
NP-000718	29.198	039		R99	F	3.1.0	N5	Addition of MonitorMode in TpCallEventInfo	OSA
NP-000718	29.198	040		R99	F	3.1.0	N5	Renaming of P_CALL_REPORT_REFUSED_BUSY	OSA
NP-000718	29.198	043		R99	F	3.1.0	N5	Removal of the parameter serviceProperties in the method selectService	OSA
NP-000718	29.198	044		R99	F	3.1.0	N5	Inclusion of missing state transitions in case call related information could not be retrieved.	OSA
NP-000720	29.998	004		R99	F	3.1.0	N5	Removing the restriction of not being able to invoke subsequent routeReq methods	OSA
NP-000720	29.998	005		R99	F	3.1.0	N5	Method and operation name corrections and other clarifications in the mapping document	OSA
NP-000720	29.998	006		R99	F	3.1.0	N5	Removal gsmSCFAddress from AnyTimeInterrogationErr in periodicLocationReportErr	OSA
NP-000742	29.998	007	1	R99	F	3.1.0	N5	Chapter numbering corrections	OSA
NP-000720	29.998	008		R99	F	3.1.0	N5	TriggeredLocationReportErr mapping from a	OSA

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								failed AnyTimeModification	
NP-000720	29.998	009		R99	F	3.1.0	N5	Timestamp in triggeredLocationInformation CSE SCS's local time	OSA
NP-000720	29.998	010		R99	F	3.1.0	N5	Corrections to the scope in order to allow HLR/SCS configuration in addition to SCS/CSE	OSA
NP-000667	43.068	004		Rel-4	F	4.1.1	N1	Call Waiting is not applicable to an originator/talker in dedicated mode	ASCI
NP-000667	43.068	005		Rel-4	F	4.1.1	N1	Wrong Field Name for OTDI	ASCI
NP-000667	43.068	006	1	Rel-4	F	4.1.1	N1	DTMF precision	ASCI
NP-000667	43.069	003		Rel-4	F	4.1.1	N1	Call Waiting is not applicable to an originator in dedicated mode	ASCI
NP-000667	43.069	004		Rel-4	F	4.1.1	N1	Wrong Field Name for OTDI	ASCI

## A.5 CRs Not Approved at TSG-N#10

Tdoc	Spec	CR	Rev	Phase	Cat	to Ver	WG	Subject	Workitem	Status
NP-000648	23.079	016	2	Rel-4	B	3.6.0	N4	Introduction of CAMEL support for OR	CAMEL Phase 4	postponed
NP-000687	04.65	A073		R99	F	8.1.0	N1	Support of V.44 Data Compression in SND CP	TEI	rejected
NP-000616	23.078	247		R99	F	3.6.0	N2	Request more than one SS data and/or CSI in one ATSI request	CAMEL3	Rejected
NP-000636	29.002	213		R99	F	3.6.0	N4	ATSI correction	CAMEL Phase 3	rejected
NP-000636	29.002	214		Rel-4	A	4.1.0	N4	ATSI correction	CAMEL Phase 3	rejected
NP-000677	23.009	015	2	R99	F	3.4.0	N1	GSM to UMTS Handover: Location Reporting in 3G MSC B	GSM/UMTS interworking	withdrawn
NP-000686	23.009	018	2	R99	F	3.4.0	N1	GSM to UMTS Handover: Location Reporting in 3G MSC B - SDIs	GSM/UMTS interworking	withdrawn
NP-000622	29.198	025		R99	F	3.1.0	N5	Removal of the originatingAddress from the connectReq method in IpDataSession	OSA	Withdrawn
NP-000622	29.198	026	1	R99	F	3.1.0	N5	Alignment between new ETSI document for common data and TS29.198	OSA	Withdrawn
NP-000622	29.198	027		R99	F	3.1.0	N5	Correction of the type TpTerminalCapabilities	OSA	Withdrawn
NP-000622	29.198	028		R99	F	3.1.0	N5	Incorrect Date and Time example in Data Definitions	OSA	Withdrawn
NP-000622	29.198	029		R99	F	3.1.0	N5	Double IDL definition for TpGCCSEException	OSA	Withdrawn
NP-000622	29.198	030		R99	F	3.1.0	N5	Parameter EnabledOrDisabled in TpServiceTypeDescription	OSA	Withdrawn
NP-000622	29.198	031		R99	F	3.1.0	N5	read only is an IDL keyword	OSA	Withdrawn
NP-000622	29.198	032		R99	F	3.1.0	N5	Error correction in the Scope definition, section 1	OSA	Withdrawn
NP-000622	29.198	033	1	R99	F	3.1.0	N5	Missing syntax and semantics description for security parameter	OSA	Withdrawn
NP-000622	29.198	034		R99	F	3.1.0	N5	Specific exceptions for method invocations in invalid states	OSA	Withdrawn
NP-000622	29.198	035		R99	F	3.1.0	N5	Unclear default value for TpAccessType	OSA	Withdrawn
NP-000622	29.198	036	1	R99	F	3.1.0	N5	Unclear description for TpAuthType	OSA	Withdrawn
NP-000622	29.198	037		R99	F	3.1.0	N5	TpInterfaceName in method obtainInterface()	OSA	Withdrawn
NP-000622	29.198	038		R99	F	3.1.0	N5	Correction on numbering in TpCallAppInfoType	OSA	Withdrawn
NP-000622	29.198	039		R99	F	3.1.0	N5	Addition of MonitorMode in TpCallEventInfo	OSA	Withdrawn
NP-000622	29.198	040		R99	D	3.1.0	N5	Renaming of P_CALL_REPORT_REFUSED_BUSY	OSA	Withdrawn
NP-000622	29.198	043		R99	F	3.1.0	N5	Removal of the parameter serviceProperties in the method selectService	OSA	Withdrawn
NP-000622	29.198	044		R99	F	3.1.0	N5	Inclusion of missing state transitions in case call related information could not be retrieved.	OSA	Withdrawn
NP-000667	43.069	005	1	Rel-4	F	4.1.1	N1	DTMF precision	ASCI	Rejected

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## ANNEX C Decisions/Notes on Tdocs by Agenda Item

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
2	NP-000591	AGENDA	Agenda for TSG CN #10 Meeting	MCC		APPROVED
4.1	NP-000592	REPORT	Draft Report from CN#9 (Hawaii)	MCC	Some comments received from Nokia, incorporated to a new version (with REV marks)	REPLACED by 0608
7.13	NP-000593	LS IN	R99 Lossless Relocation for UMTS [N4-001120]	CN4	Moved to Agenda 7.13 to be discussed with other GPRS documents, then simply Noted.	NOTED
5.1	NP-000594	LS IN	Support of CAMEL phase 1 and/or CAMEL phase 2 [N2-000640]	CN2	LS Copied to TSG CN. SA1 have agreed that CAMEL Ph2 should support CAMEL Ph1 However the details of CAMEL Ph 3 and 4 have not yet been discussed. There was consensus by TSG CN that CAMEL Ph 2 will support CAMEL Ph 1 functionality.	NOTED
5.2	NP-000595	LS IN	Positive Authentication Reporting [S3-000605]	SA3	Copied to TSG CN for action by CN4. Yun Chao - CN4 does not have a clear understanding on how to proceed on the roaming aspects (I.e. to 3GPP2) relating to Authentication. This was raised at TSG SA#9 meeting. It was agreed that this work falls under a specific SA3 work item, but does considers roaming to be out of their scope. Ian Park said functional roaming between 3GPP and 3GPP2 needs to be studied top-down, and SA should produce an appropriate Work Item. John Fenn reported that TTA have done some work on inter system roaming, but the results have not been presented to TSG CN or CN4. This is a R99 WI, and it has not been carried over to Rel4/5. Stephen will request this to be done to TSG_SA#10.	NOTED
2	NP-000596	[DAD]	Document Allocation Document Start day1	Ian Park		NOTED
2	NP-000597	[DAD]	Document Allocation Document day1 end	Ian Park		NOTED
2	NP-000598	[DAD]	Document Allocation Document day2 end	Ian Park		NOTED
2	NP-000599	[DAD]	Document Allocation Document day3 end	Ian Park		NOTED
6.3.1	NP-000600	REPORT	Status Report for TSG CN WG3	CN3 Chair	Daisuke Igarashi, NTT DoCoMo - CS Swap and Fallback will be completed for Rel-4 independently to SMWOP. Norbert replied that the two WIs have some overlap, and now that the requirement for no pre-notification has been removed we can delete the SMWOP WI and continue the work under a modified CS Swap and Fallback WI. Peter K asked if completion of Swap and Fallback for release 4 is realistic. Daisuke confirmed that this is realistic. There has not yet been any response back on this issue from SA1. Yun Chao asked what work CN3 sees being done by CN4 for Swap and fallback. Norbert clarified that the proposal from the supporting companies modify the core network protocols that are under the responsibility of CN4. This will be discussed in the Beijing joint meeting. Questions to the progress of work on the IMS domain and completion for March 2001. Norbert clarified that CN3 have only 2 Rel-4 WIs and the rapporteur for these WIDs has not been present or made contributions to the last 3 CN3 meetings. Stephen added that CN3 will have a large amount of work in the QoS area, and this is dependent on Stage 2 work that should be stable by March 2001.	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
6.3.1	NP-000601	REPORT	CN3#13 Meeting Report (Stuttgart)	CN3		NOTED
6.3.1	NP-000602	REPORT	CN3#14 Meeting Report (Sophia)	CN3		NOTED
6.3.1	NP-000603	LS PACK	All LSs sent from CN3 since TSG CN#9 Meeting	CN3		NOTED
7.6	NP-000604	CR PACK	CRs for R99 WI "T.E.I" [32 kbit/s and clean-up]	CN3		APPROVED
7.21	NP-000605	CR PACK	CRs for R99 WI "CS Bearers " [Handover for 56	CN3		APPROVED
8.19	NP-000606	CR PACK	CRs for Rel-4 "TEI4 CS - Bearers" [Removal of BS30 NT]	CN3	Note: meeting number in the NOTE#1 should be CN#10 not #09. This does not effect the CRs	APPROVED
5.2	NP-000607	LS IN	Invitation to send contributions to the TR 21.905[S1-000847]	SA1	Input to the vocabulary document TS 21.905 has been low, and SA1 request input from all WGs, as well as proposing that overlap with 41.004 if existing, should be discontinued. Norbert stated that this is an important document for CN3, and they support the idea of a single vocabulary document. The vocabulary editor is Michele Zarri, Tel.+44 (0)20 8214 4169, Michele.Zarri@one2one.co.uk [also the contact person for this CR]. Hannu asked in what form input should be made [CR / E mail / liaison]. TSG_CN Agreed that WGs shall communicate changes to this document in the form of liaisons to SA1 in order to allow tracability.	NOTED
4.1	NP-000608	REPORT	Draft Report from CN#09 (Hawaii)	MCC	Revision marks will be removed and 0608 will placed to the meeting server as a v3.0.0 - the official meeting report for CN#09.	APPROVED
8.2	NP-000609	WID	IP Multimedia CN Subsystem, CSCF-HSS (Cx) interface	CN4	Hannu commented that the parent building block reference should be ID 1274 (call control and roaming to support IP multimedia in UMTS).	REVISED to 0725
6.2.1	NP-000610	REPORT	Status Report for TSG CN WG2	CN2	In the light that R99 is functionally frozen, Nigel of Lucent asked if there are any Editorial CRs for approval for CAMEL Ph3 - R99. Stephen mentioned one Editorial CR to R99 CAMEL Ph3, and the CLASSIFICATION can be discussed when it is presented. Peter K. questioned the CAMEL control of VoIP. The service requirements are not yet settled by SA1, and therefore CN2 have not yet done any work in this area. Peter K, questioned whether CAMEL Ph 4 will be Rel-4 Rel-5 issue. Some confusion over CAMEL phases and 3GPP Releases. Ian Park clarified that CAMEL phases are not linked to single years. However he clarified that CAMEL Ph3 is for R99 and Rel-4, CAMEL Ph4 is for Rel-4 and beyond. Steve Mecrow suggested dropping the use of phases and simply having CAMEL for Rel-4 and CAMEL for Rel-5 etc. This should be discussed in TSG_SA plenary. Keijo, Nigel and Peter K did not support this and recommended retaining the Phases. TSG_CN agreed to retain the idea of Phases for CAMEL.	NOTED
6.2.1	NP-000611	REPORT	CN2#14 Meeting Report (Vienna)	CN2		NOTED
6.2.1	NP-000612	REPORT	CN2#15 Meeting Report (Paris)	CN2		NOTED
6.2.1	NP-000613	LS PACK	All LSs sent from CN2 since TSG CN#9 Meeting	CN2		NOTED
7.1	NP-000614	CR PACK	CRs for R97 WI CAMEL2	CN2		APPROVED
7.2	NP-000615	CR PACK	CRs for R99 WI CAMEL3 23.078 part 1	CN2		APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
7.2	NP-000616	CR PACK	CRs for R99 WI CAMEL3 23.078 part 2	CN2	<p>Ian Park asked if the 23078CR247 is really a correction when it seems like a functional enhancement. Sumio Clarified that this only aligns the stage 3 and stage 2.</p> <p>Nigel Berry was concerned with CN plenary accepting CRs that modify functions of the frozen R99 when CN2 were not aware that R99 is frozen.</p> <p>Stephen clarified that then purpose of freezing a release is to provide stability. However this does not effect delegates considering CRs as functional modifications or corrections.</p> <p>Ian Park also added that postponing these CRs now will make it even more difficult for them to be approved at CN#11 meeting.</p> <p>It was clarified that the for CR contained in N2-000597, the related CRs to 29.002 are 213 and 214.</p> <p>CR 23078CR247 is considered a functional enhancement and is REJECTED by TSG_CN. The content of the CR is seen by many companies as important but only for Rel-4 NOT R99. The linked CRs to 29.002 was also be REJECTED.</p> <p>0616 was revised to 0714 with the CR247 removed from the Pack.</p>	REVISED to 0714
7.2	NP-000617	CR PACK	CRs for R99 WI CAMEL3 29.078	CN2	<p>The CAT F CRs were revised to 0715 with the CAT D CRs removed from the Pack.</p> <p>Keijo re-opens the discussion on 29.078-124r1; it cleans up the ASN.1, so it's not really editorial. Accepted Hence the CAT D CRs, CR 124 were merged with CR 123 and re-classified to CAT F and represented in 0723.</p>	SPLIT to 0715 and 0723
7.2	NP-000618	CR	Separated CRs for R99 WI CAMEL3	CN2	<p>Sumio mentioned that there is a conflicting proposal to TSG_SA from Alcatel to change the stage 1 specification.</p> <p>However it was clarified that Alcatel have withdrawn their proposal.</p>	APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
6.5.1	NP-000619	REPORT	Status Report for TSG CN WG5	CN5 Chair	<p>Ian Doig mentioned that the referenced ETSI numbers are infact the ETSI WI references. Nigel asked if the work with JAIN will be formalized. 3GPP are allowed to liaise with JAIN. Lucas explained that JAIN provide input to the meeting as any other company. Output from these joint meetings is fed directly back to JAIN by the representatives.</p> <p>Following a question from Yun Chao, Lucas clarified that CN5 do not presently meet jointly with SPAN14, only SPAN12.</p> <p>Nigel mentioned that the work CN5 is doing on the multiparty Call Control model will have to be considered for the new CN1 TS 23.cde. Lucas agreed that the collaboration with CN1 and CN5 must be studied further.</p> <p>Nigel also commented on the Editorial CRs to the frozen R99. Lucas mentioned that these changes are more essential corrections (apart from one). Stephen stated that Editorial CRs to R99 will not be approved at Plenary level.</p> <p>Stephen also mentioned that the MCC support situation for CN5 / CN2 is being examined. There are difficulties in one MCC person supporting the amount of work, and more importantly, the meeting schedules of 2 WGs. Stephen supported the 6 week interval, and suggested that additional meeting be seen as workshops not full WG meetings.</p> <p>Yun Chao questioned the status of service/architecture definition from SA1/SA2 for VHE / OSA. Lucas said there are no barriers to the work on the two interfaces, however the User information is still not clear from SA2, and CN5 are waiting on this before proceeding work. It was noted that no liaisons have been generated from CN5 since the last plenary.</p>	NOTED
6.5.1	NP-000620	REPORT	CN5#6 Meeting Report (Vienna)	CN5		NOTED
6.5.1	NP-000621	REPORT	CN5#7 Meeting Report (Sophia)	CN5	Withdrawn before meeting	REPLACED by 0699
7.23	NP-000622	CR PACK	CRs for R99 WI "OSA" to 29.198	CN5	Withdrawn before meeting	REPLACED by 0700
7.23	NP-000623	CR PACK	CRs for R99 WI "OSA" to 29.998	CN5	<p>CR 007 only corrects clause numbering in 29.998. Ian Park suggested inserting VOID into the offending clauses. John M confirmed this, and additionally warned of the dangers of modifying clause numbering to ensure there are no cross referencing errors in other specifications. Edgar added that there may also be external organizations that references specific clauses.</p> <p>John M suggested allowing MCC to correct these clause errors without a CR. This was not agreed.</p> <p>Agreed to re-classify the CR 007 as a CAT F, and modify the wording (use VOID term). This is presented in a new tdoc [0721].</p> <p>All of the other CRs are presented [0720] with CR005 being re-classified as a CAT F.</p>	SPLIT to 0721 and 0720

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.19	NP-000624	WID	Proposed WID for Release 4: ODB (Operator Determined Barring) for PS domain	NEC	<p>CN4 have not yet seen this WID, only a related contribution from NEC.</p> <p>Stephan, Have we considered CAMEL for ODB? Ian Park clarified that CAMEL is an optional feature and from the operator point of view ODB should NOT be based on an option.</p> <p>Implications on Rel-5 have not yet been considered.</p> <p>Keijo mentioned that there may be a possible impact on CAMEL Ph1. This needs be checked.</p> <p>Title of 23.060 GTP Stage 2 should be GPRS stage 2. Also requires work from SA1 and SA2 hence should be presented to these groups and SA plenary.</p> <p>There will also be some work to be done by CN2 and time restrictions may make joint working difficult, especially between CN and SA WGs.</p> <p>Nakamura-San requested that the supporting companies to identify the list of specifications that will be impacted.</p> <p>Tamura-san stated that CRs will be made to CN4 and SA2 specifications at the next meeting and expects the work to be complete for CN#11.</p> <p>Ian Park added that Vodafone will also support this WI.</p> <p>CN cannot approve this WID before it is seen by SA and SA2. However CN endorses this draft WID now and it is planned for approval at the next Plenary. [at the same time as the CRs].</p> <p>Stephen will present this issue in SA#10, informing them that we are creating this WI, highlighting the concerns on timescales and also indicating the participation of SA1 and SA2.</p> <p>The WID will be agreed at the next CN4 meeting with the participation of CN2 on CAMEL issues.</p>	REVISED to 0735
12	NP-000625	CR	CRs to 21.900	MCC, JMM	<p>Some modifications were made to the CR011 in the other TSGs, and these will be implemented before presentation to TSG-SA.</p> <p>Relating to CR012 the changing of 3G to 3GPP is done by MCC without the need of a specific CR.</p> <p>Also there was a comment to the note in table 4. This will be resolved before presentation to TSG_SA.</p> <p>In response to a question from Keijo, John explained that if a R99 CR is approved at a plenary, and another CR to the same spec that takes that same spec to a higher release is also approved, then the latter is based on the spec after implementation of the former CR.</p> <p>Question to synchronizing the freezing ALL specs was raised. This will be discussed in TSG SA.</p> <p>The contained CRs were ENDORSED by TSG_CN.</p>	ENDORSED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
11	NP-000626	TS	21.102 latest draft	MCC, JMM	<p>Contains the list of Rel-4 specifications, and is short because it only contains those specifications that have already been created. There will be more specifications in the version to be presented to TSG#11 (when Rel-4 is expected to be frozen).</p> <p>It is noted that all TRs/TSs that are to be transferred to Rel-4 have to be upgraded by specific decision - it will not be automatic. John will circulate a list of the specifications that are not yet transferred in the next week or so. It was noted that some TRs are indicated for publication but this is in effect an error in the dBase. John took note of this and invited similar comments.</p> <p>Neils suggested it would be easier to examine any R99 specifications that WOULD NOT be transferred to Rel-4, making the task simpler. Agreed in TSG_CN to automatically upgrade all R99 specifications to Rel-4 unless the MCC (John M) are explicitly informed that a document is NOT to be transferred. CN WILL WORK BY EXCEPTION.</p> <p>Neils stated this would not require a CR to transfer. Mikko preferred a CR for transfer for tracking. John clarified that the spec list will detail the specs that have been transferred. Neils commented that there are a number of Rel-5 specifications in the Rel-4 list. John confirmed that this will be checked and the equivalent list for Rel-5 will be presented to TSG#11</p>	NOTED
8	NP-000627	TR	41.001 first draft	MCC, JMM	<p>List of the specifications expected for Rel-4. Noted that there are few TSs shown at present. However this will change when the bulk of the TSs are transferred in March.</p> <p>Ian D hi-lighted a cover sheet error, the documents is in fact TR 41.001 v0.0.2. John M will present a v2.0.0 to the March Plenary. This contribution should be considered as TR 41.001 v1.0.0 as it is presented to TSG for information. Neils objected to the TS number as 01.01 existed in GSM. It was suggested to rename the TR to 41.101. This will be done in the SA</p>	NOTED
11	NP-000628	LIST	Specs status list prior to TSGs#10	MCC, JMM	<p>Different layout to previous versions. The list is now split by Release.</p> <p>A new version will be produced at the end of next week following the approval of other documents in TSG SA.</p>	NOTED
12	NP-000629	DISCUSSION DOC	Change Requests raising a spec to a later Release	MCC, JMM	<p>Received much resistance in TSG-R and TSG-T, as was withdrawn before presentation to this meeting.</p>	WITHDRAWN

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
6.4.1	NP-000630	REPORT	Status report from TSG-CN WG4	CN4 Chair	Some discussion on the Parallel sessions for the Beijing meeting. Iain Sharpe expressed some concerns that some delegates may not be able to attend the parallel meetings where they have interests in both sessions. Hannu requested that the topics to be discussed in each meeting need to be announced well in advance so companies can plan which delegates they send to which sessions. Ian Park mentioned that this solution is not ideal, but it is the 'least worse' option. Yun Chao suggested if there are many R99 related contributions, then there will be parallel sessions. However if there are few such documents there will be sequential sessions. This was agreed in principle. Stephen also suggested taking areas of large activity into ad hoc sessions. There may also be a more strict rule on the treatment of late contributions. Delegates be warned. Ian Park hi-lighted the CR to 23.079 [in 0648] for CAMEL Ph4, and suggested this be regarded for information and postponed until the bulk of the work in this area is complete within CN2 to be provided for approval as a single package. Keijo supported this view as this is the practice in CN2.	NOTED
6.4.1	NP-000631	REPORT	CN4 Rel4 ad hoc (Stockholm)	CN4	Kazuo Mitamura commented to the decision on 'network optimization' taken in the CN4 ad hoc meeting. Yun Chao asked that this be further discussed in CN4 before contributions are made to the plenary.	NOTED
6.4.1	NP-000632	REPORT	CN4#05 Meeting report (Paris)	CN4	Not yet approved by CN4. Some comments have been made by e-mail.	NOTED
8.14	NP-000633	REPORT	TrFO/TFO Workshop#04(Windsor)	CN4		NOTED
8.14	NP-000634	REPORT	TrFO/TFO Workshop#05(Stockholm)	CN4		NOTED
7.1	NP-000635	CR PACK	CRs for R97 WI "CAMEL Phase 2"	CN4		APPROVED
7.2	NP-000636	CR PACK	CRs for R99 WI "CAMEL Phase 3"	CN4	29002CR213 and 29002CR214 are rejected (linked to 23.078-247). All other CRs in the pack are revised to 0716.	REVISED to 0716
7.3	NP-000637	CR PACK	CRs for R99 WI "Security"	CN4		APPROVED
7.6	NP-000638	CR	CR for R99 WI "TEI"	CN4	Cover sheet title error - does not affect the CR itself.	APPROVED
7.9	NP-000639	CR PACK	CRs for R99 WI "ASCI"	CN4	In GSM and UMTS terminology in one CR should be replaced with A/Gb and Iu. Ian Park suggested that this modification will require a large amount of work and a Decided that an overall study should be made to all specifications and alignment CRs made.	APPROVED
7.12	NP-000640	CR PACK	CRs for R99 WI "CF enhancements"	CN4		APPROVED
7.13	NP-000641	CR	CR for R99 WI "GPRS"	CN4		APPROVED
7.14	NP-000642	CR PACK	CRs for R99 WI "GTP enhancements"	CN4		APPROVED
7.15	NP-000643	CR PACK	CRs for R99 WI "Handover"	CN4	Mentioned that the upper bound value for long signal info in 29.002 needs to be reduced. It was agreed to accept the present CR on the caveat that CN4 will study the bound value and produce a corresponding CR to the next plenary.	APPROVED
7.23	NP-000644	CR PACK	CRs for R99 WI "Supplementary Services"	CN4	Withdrawn before meeting	WITHDRAWN
7.23	NP-000645	CR PACK	CRs for R98 WI "Supplementary Services"	CN4	Work Item changes to ASCI	REVISED to 0722
7.23	NP-000646	CR PACK	CRs for R97 WI "USSD"	CN4		APPROVED
7.23	NP-000647	CR PACK	CRs for R99 WI "USSD"	CN4		APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.12	NP-000648	CR	CR for Rel4 WI "CAMEL Phase 4"	CN4	This CR was placed on hold until the rest of the CRs for CAMEL Ph4 are made ready for approval from CN2. It is possible this CR may change, but this is unlikely. The CR is postponed to be re-presented by CN4, when the CRs for CAMEL Ph4 are ready. Hannu mentioned that there may be other changes during this 'hold' period, that may effect this CR. This will require the CR to be re-visited before it is presented to Plenary for approval. Ian Park stated that this specification is stable. However as he is the rapporteur of the spec, and this CR he will revisit this CR at the appropriate time. Keijo called for CN2 to take responsibility of this 'bundled' CR and present it with the pack of CAMEL Ph4 CRs from CN2.	POSTPONED
8.19	NP-000649	CR PACK	CRs for Rel4 WI "ASCI"	CN4		APPROVED
8.19	NP-000650	CR PACK	CRs for Rel4 WI "T.E.I."	CN4		APPROVED
8.4	NP-000651	TS	TS 23.205 Bearer Independent CS Core Network; Stage 2	CN4	Nigel Berry asked how lawful interception will be handled in CN4. Yun Chao said the rapporteur is aware of this issue and it will be discussed subsequent meetings.	NOTED
8.4	NP-000652	TS	TS 29.232 Media Gateway Controller (MGC) - Media Gateway (MGW) Interface; Stage 3	CN4	Should have been presented as v1.0.0 [error in TS header]. Iain S asked how the additional H.248 packages info will be fed back to the IETF. Yun Chau mentioned that this TS also refers to existing H.248 packages. The additional 3GPP packages will be added to the existing MEGACO / H.248 packages. Ian Park has already reserved the required codes for the 3GPP packages. References to Rel 2000 should be removed from the scope, and replaced by Rel-4 Rel-5.	NOTED
8.4	NP-000653	TS	TS 23.153 v. 2.3.0 Out of Band Transcoder Control - Stage 2	CN4	Ian D - editorial comments APPENDIX A is not correct - should be an ANNEX and placed before the CR History. Also there are references to GSM specifications that should be made to the UMTS equivalents. These minor changes will be made by the MCC and the TS is approved to be made v4.0.0.	APPROVED to be made v4.0.0
6.4.1	NP-000654	LS PACK	All LSs sent out by CN4	CN4		NOTED
8.14	NP-000655	REPORT	TrFO Workshop Status Report	TrFO Workshop Convener	Nigel Berry commented that Lawful intercept is in Rel5 and TrFO in Rel-4 - questioned how backwards / forwards compatibility be handled. Yun Chao answered that they will consider lawful intercept as well as other Rel-5 requirements, bit not in TrFO Rel-4 documentation. The Stage 2 document is the responsibility of CN4, and if there is a requirement to study Rel-5 requirements, this should be done with a dedicated workshop.	NOTED
8.14	NP-000656	LS PACK	All LSs sent out by TrFO Workshop	TrFO Workshop		NOTED
12	NP-000657	DISCUSSION DOC	Changes to stock text in the "References" clause of	MCC, JMM	Modifications were made by the other TSGs and John detailed these changes to TSG_CN.	ENDORSED



Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
6.1.1	NP-000658	REPORT	Status Report for TSG CN WG1	CN1 Chair	<p>Peter K. mentioned the missing SDLs for the CR (NP-000677) have not yet been provided, and requested postponing this until day2 (agreed). Relating to ASCI - We require a work item for Rel 4, in order to have the related CRs approved in this Plenary. Stephen asked the interested companies to produce the WID, before the CRs are presented for approval. Iain Sharpe clarified that a R00 ASCI work item was approved at TSG#8. Stephen asked that Nortel update this to reflect the Rel-4/Rel-4 structure and present it for approval.</p> <p>Joint meeting schedules will discussed together with the other groups. Nigel Berry asked that the scope and expected outcome of these joint meetings be published in advance.</p> <p>14th - 18th May CN1, 2, 3, 4 meeting will be hosted by NA Friends of 3GPP in the USA. Oct 2001 CN1 meeting MAY be hosted by BT and Vodafone. Possibility to have joint CN2 and CN4 meetings in the same week moving their planned dates forward by one week. Real dates are 15th - 19th October.</p> <p>Neils raised concerns on the note in tdoc list on "IPR hold" status relating to a CR. Stephen clarified that there shall be no discussion of IPRs for individual companies in WGs.</p>	NOTED
6.1.1	NP-000659	REPORT	CN1#14 Meeting Report (Cardiff)	CN1		NOTED
6.1.1	NP-000660	REPORT	CN1_SIP_Ad-hoc meeting #1 report	CN1		NOTED
6.1.1	NP-000661	REPORT	CN1-S2_SIP_joint meeting report	CN1		NOTED
6.1.1	NP-000662	LS PACK	All LSs sent from CN1 since TSG CN#9 Meeting	CN1		NOTED
6.1.2	NP-000663	ToR	CN1-TOR	CN1	Mikko K suggested adding to section 3.1 the additional reference points A and Gb. However it was decided to remove all references to the specific interfaces in Section 3.1.	REVISED to 0712
8.3	NP-000664	WID	CS based Emergency Call in Rel-4	CN1	TS 22.976 should be TR 22.976	REVISED to 0743
8.3	NP-000665	WID	PS based Emergency Call in Rel-5	CN1	Proposal to change the WI name removing the PS reference. This was not strongly supported and the title remained unchanged.	APPROVED
8.2	NP-000666	WID	Proposed revisions to SIP Call Control protocol for the IM Subsystem	CN1	<p>CN1#12 and CN1#19 meeting dates are incorrect in this document.</p> <p>Peter K asked if 23.cde deals with handling of SIP messages Cx Interface. Hannu confirmed that there will some work on this within CN4. This discussion was elaborated with the presentation of 23.cde. [0682]. Revision marks will also be removed in revised version.</p>	REVISED to 0727
8.19	NP-000667	CR PACK	CRs on ASCI-Rel4	CN1		APPROVED
7.5	NP-000668	CR PACK	CRs on EGPRS-R99	CN1		APPROVED
8.19	NP-000669	CR	CR on GERAN support for 700 MHz band - Rel-4	CN1	GERAN has accepted the corresponding changes.	APPROVED
7.13	NP-000670	CR PACK	CRs on GPRS	CN1		APPROVED
7.16	NP-000671	CR PACK	CRs on GSM-UMTS Interworking	CN1	<p>Ian Park asked when TS 23.009 and TS 23.122 will be made into version 4.0.0. Hannu replied this would be done automatically in March 2001. John M. reminded that this is NOT AUTOMATIC and an express decision will have to be made at this time. (Later in the meeting CN agreed to upgrade AUTOMATICALLY)</p> <p>John M. will produce a list of specs to be transferred in time for the next plenary, and will also provide this to the TSGs and WGs in advance of this for review.</p>	APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
7.3	NP-000672	CR PACK	CRs on Security - R99	CN1	Changes to TS 33.102 agreed in SA#9 meeting, had the caveat that the mobile would bar the current cell, and emergency calls would be made though a different cell. Hannu clarified that this is not covered in these CRs as the cell barring aspect is out of CN1s remit.	APPROVED
7.6	NP-000673	CR PACK	CRs on TEI - R99	CN1		APPROVED
7.6	NP-000674	CR PACK	CRs on TEI-R99	CN1		APPROVED
8.19	NP-000675	CR	CR on TEI4 - Rel-4	CN1	Thomas (Ericsson) questioned the use of data compression. For PCDCP this should be done at the application level. This CR introduces additional functionality into SMDP. Ericsson objects to this CR. Additional CRs required to SA2 to introduce PCDCP Jeff Heath (Hughes) mentioned that corresponding CRs will be presented to the next SA2 meeting. As SA2 have not yet seen the linked CRs It was agreed to introduce this functionality in BOTH SMDP and PCDCP. After overnight discussion, Ericsson agreed to accept the CR, and send an LS to SA2[0739]. Also has implications on TSG RAN and GERAN.	APPROVED
8.14	NP-000676	CR	CR on TRFO-OOBTC/ Rel-4 "Change of	CN1		APPROVED
7.16	NP-000677	CR	CR on GSM-UMTS Interworking - R99	CN1	Question to which 27 series specs are effected. The answer was not available at this time. Noted that the attached file was incorrect - therefore document revised and error corrected.	REVISED to 0724
11.1	NP-000678	P-PLAN	CN1 changes to the Work plan after CN1#14, and SIP ad-hoc meeting	CN1	Provided to CN Plenary for information. The changes have been correctly incorporated into the latest version of the project plan.	NOTED
8.19	NP-000679	DISCUSSION DOC	#7 Signaling over IP in Core Network	Ericsson	Provided for information relating to tdoc 0680 --> 0734.	NOTED
8.19	NP-000680	DISCUSSION DOC	Work Item Description for Release 4: "#7 Signalling over IP in Core Network	Ericsson	Revised before presentation to the Plenary	REVISED to 0734
7.16	NP-000681	TS	Presentation of Specification TS 23.009	CN1	Hannu mentioned that there is a missing CR to this 23.009 and this means the SDLs are missing from the TS. Peter K confirmed the SDLs are not available for this meeting. This TS is under change control and document 0681 simply provides a status report on its progress. The related CN4 CRs are presented to CN#10 [and have been approved].	NOTED
8.2	NP-000682	DISCUSSION DOC	Proposed scope and contents for TS on IP Multimedia (IM) Session Handling	CN1	Ian Park, CAMEL for the control of IP based multimedia has not yet been agreed, also questioned if this TS the correct place to have this level of detail for CAMEL control. Hannu replied alternative approaches to CAMEL are also detailed in this TR (sub-clauses in 6), and once a single solution is agreed these alternative solutions will be removed. It was agreed that 23.cde detail only the mandatory handling as well as showing where the optional hooks will be required. Hannu explained that the TS is presented for information only. It will be studied further in a joint meeting between CN1 and CN4. TS 23.cde requires input from many CN WGs. However as the work relates closely to SIP it was decided that TS 23.cde will be maintained by CN1. The initial work will be progressed by using dedicated joint-sessions with the participation of key delegates from the relevant WGs to be collocated with WG meetings.	NOTED
8.2	NP-000683	TS	24.228 - Proposed scope and contents for IP	CN1		NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.2	NP-000684	TS	24.229 - Proposed scope and contents for IP	CN1	Provided for information to Plenary	NOTED
8.2	NP-000685	REPORT	Summary of the first CN1 SIP ad hoc meeting (N1 -	CN1 / SIP Ad Hoc		NOTED
7.16	NP-000686	CR	CR on GSM-UMTS Interworking -R99 "GSM	Ericsson		WITHDRAWN
7.6	NP-000687	CR	CR on TEI - R99 "Support of V.44 Data Compression in SMDCP"Note: related to NP-000675 w atch categories, IPR hold	Hughes / Motorola	This has been discussed in CN1 and there is a corresponding Rel-4 CR. This Rel-4 CR has been classified as a CAT C. CN1 could not agree that the R99 CR is an essential correction. As the CR is more functional enhancement it was rejected.	REJECTED
11.1	NP-000688	P-PLAN	3GPP work plan	MCC	Reminder: The latest version of the Work Plan is available at: <a href="ftp://ftp.3gpp.org/information/work_plan">ftp://ftp.3gpp.org/information/work_plan</a> The term 'or should contain' will be removed from the Cover sheet. As well to the reference to CN3 updates not being included (old comment) Hannu hi-lighted changes following SIP workshop to WTs under the feature IP based multimedia services. Proposed the creation of a new WT called "SIP call control protocol for the IM subsystem", in order to simplify the project plan The unique ID numbers are unique and stable EXCEPT when the cut/paste function is used. However MCC know tricks to avoid this error. One solution is to manually create the unique ID (not allow Project to auto-generate). Ian D mentioned that companies manipulation the P-Plan may introduce errors. However Alain mentioned that the official updates are only made by MCC. Companies manipulate it at their own perils and risk. The WI ACRONYM is a stable and a clearer way of identifying WTs EXCEPT when the WT name changes. John M advised against changing the acronym as these are used to identify WIs on CRs and in the CR dBase.	NOTED
11.1	NP-000689	DISCUSSION DOC	MCC review of workplan	MCC	Provides a brief summary of the progress of 3GPP work items. Alain asked TSG_CN if we can delete CS Multimedia Services - Norbert replied that this is required due to the fact that the work of SMWOP may done in the are of SWAP and FALLBACK. The Stage 1 and Stage 2 work tasks may be deleted. This will be examined in the SA Plenary. Evolutions of Transport is missing from the slides, however a related WT was approved in this meeting. Alain reminded CN that the modifications made during TSG_CN will be incorporated before presentation to TSG_SA.	NOTED
12	NP-000690	DISCUSSION DOC	Change tracking procedures	MCC	Although this is not yet the approved mechanism, it has been developed used within CN for the latest updates to the project plan. Hannu suggested that the % complete field be maintained and possibly rapporteurs assist MCC to complete this field accurately. It was requested that new work tasks are hi-lighted when they are added to the project plan. Steven Mecrow asked when is the Updates are made to the p-plan before presentation to the SA plenary. It was confirmed that MCC will update the P-plan after WG meetings It was noted that CN4 has not yet provided updates to the project plan although the chairman and v-chair have discussed that changes and will present them to MCC shortly.	ENDORSED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
12	NP-000691	DISCUSSION DOC	TE&I generic WI	MCC	Nigel stressed we have to be use the TEI work item with great care to avoid abuse. It was noted that there will also be a TEI5 for Release 5. TSG_CN ENDORSED the creation of TEI for Rel-4 and 5. CN will have the responsibility of POLICING the use and possible abuse of TEI.	ENDORSED
8.4	NP-000692	DISCUSSION DOC	Single Call Control Protocol for the Bearer Independent Architecture	France Telecom	NOTE: An alternative solution provided in 0694.  Peter K (Ericsson) stated that the Work Item description does not detail call protocol specifics, and has left the number of such protocols open. This should be evaluated when the work item is completed. Nigel B. agreed that it is too early to adopt a single protocol, and suggest further study within CN4.  Stage 2 specification is protocol independent and CN4 needs to evaluate the requirements. BICC to ISUP and BICC to H.323 interworking have already been identified. However there may be other interworking requirements that are not yet known. Iain S added that there will be requirements GMSC and MSC considerations. It was agreed to keep the choice of the call control protocol open, and allow this to be further studied by CN4.	NOT APPROVED
7.13	NP-000693	DISCUSSION DOC	GTP tunnel Addressing at GGSN	Alcatel	Alcatel proposes to change 29.060 specifications to mandate the same (IP address, TEID) for the two GTP tunnels coming from the Source SGSN and the Target SGSN, for a given user. The related CR is N4-001022, and was submitted at last CN4 meeting. Some companies have reservations about Solution 2. However it was agreed as a working assumption for CN and CN4..	NOTED
8.4	NP-000694	DISCUSSION DOC	Inter-Call Server Protocol	Nortel	Counter-argument is to allow the possibility of different protocols on the MSC server – MSC server interface. Supported by Nokia, BT, Ericsson. Stephen concludes that in the absence of a consensus to change the CN4 direction to use a single protocol we let them continue on the basis of leaving the possibility of multiple protocols. Alcatel supports the view of France Telecom. See the discussion under 0692.	NOTED
8.4	NP-000695	DISCUSSION DOC	Y Shaped PDP Context	Nortel	If the problems are not resolved, the Y-shaped PDP context will not work. Iain asked that CN4 provides the necessary solutions to the problems related to Y shaped. 29.060 will be changed to align with 23.060. This is the working assumption within TSG_CN. Yun Chao will draft a LS detailing this to RAN , RAN3 and SA2 [0717].	NOTED
11.1	NP-000696	P-PLAN	Work Plan updates CN2 and CN5	MCC	Provided to CN Plenary. The changes have been incorporated into the latest version of the project plan.	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
	NP-000697	DISCUSSION DOC	Problem with GPRS and National Roaming	Motorola	TSG CN agreed that the identified behavior is a correct interpretation of the specifications and is undesirable. 1st proposed solution solves a the problems only for specific conditions. It is however the simplest and quickest to implement. 2nd solution has impacts on 29.010 and 23.008. Hannu suggested a 3rd proposal to design new cause values however the mobile behavior would be clearly defined only for Rel-4 and beyond. A only change for R97 -> R99 . would be to 24.008 to specify the mobiles reaction to these cause value. It was mentioned that Cause Value 7 can be modified to deal with this situation. Niels hi-lighted that Operators should take note of this problem and avoid the use of Cause Value 7. TSG CN recommend that CN1 study further the problem and attempt to find a more general solution possibly using Cause Code 7. CN1 are to present there proposal for the next Plenary. Hannu will initiate an email discussion on this topic within CN1.	NOTED
8.6	NP-000698	WID	Revision of ASCII R00 Work Item	Nortel	Estimated end date for ASCII is on time for March 2001 hence only for Rel-4. Some minor editorials:- SNCF are not 3GPP members, and should be removed from the supporting company list. R4 changed to Rel-4 N changed to CNB for WGs TEI removed from the subordinate WT list.	REVISED to 0730
6.5.1	NP-000699	REPORT	CN5#7 Meeting Report (Sophia)	CN5	Not yet agreed by CN5.	NOTED
7.23	NP-000700	CR PACK	CRs for R99 WI "OSA" to 29.198	CN5	All the contained CRs seem to correct ambiguity - and there was consensus in the CN5 meeting for these CRs. Therefore CR 264 must be re-classified as a CAT F.	REVISED to 0718
	NP-000701		NOT USED			
	NP-000702		NOT USED			
	NP-000703		NOT USED			
	NP-000704		NOT USED			
	NP-000705		NOT USED			
	NP-000706		NOT USED			
	NP-000707		NOT USED			
	NP-000708		NOT USED			
	NP-000709		NOT USED			
11.1	NP-000710	P-PLAN	CN3 Updates to P-Plan	CN3	Have been correctly incorporated in latest version of the P-Plan	NOTED
9.1	NP-000711	REPORT	IETF Collaboration Document	CN Chair		NOTED
6.1.2	NP-000712	ToR	CN1-TOR	CN1		APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.19	NP-000713	WID	CN Work for Intra-domain connections of RAN nodes to multiple CN nodes	VODAFO NE	CN1 and CN4 have not seen the WID, only some early discussion documents Timescale information cannot be detailed without input from CN1 and CN4. The impact on CN1 is presently unknown. The related Feature WID will be presented to SA#10. It has already been seen by SA2, bit the approval status is not known. Andy Howell stated there is an impact on the ME (as we modify 24.008). CN1 have WI leadership because it is certain there is impact on 24.008, whereas CN4 have to investigate a possible impact on their specs. CHANGES to WID NOTE: This is a building block not a feature. Need to put in Timescale information.	REVISED to 0737
7.2	NP-000714	CR PACK	CRs for R99 WI CAMEL3 23.078 part 2 (with CR 247 removed)	CN2		APPROVED
7.2	NP-000715	CR PACK	CRs for R99 WI CAMEL3 29.078	CN2	CAT Fs CRs only.	APPROVED
7.2	NP-000716	CR PACK	CRs for R99 WI "CAMEL Phase 3"	CN4		APPROVED
7.13	NP-000717	LS OUT	LS to RAN, RAN3 and SA2 GTP Tunnel Addressing at GGSN	CN	Iain Sharp questioned the wording regarding the Working assumption and the conditions for this. Also the LS introduces a new idea that was not previously discussed in CN. It was agreed to remove this text. The working assumption is that we will use solution 2. However Nortel believe there are potential problems with solution 2, and CN4 will study the contributions with and possibly challenge the Working assumption.	REVISED to 0726
7.23	NP-000718	CR PACK	CRs for R99 WI "OSA" to 29.198	CN5		APPROVED
	NP-000719		SPARE		NOT USED	SPARE
7.23	NP-000720	CR PACK	CRs for R99 WI "OSA" to 29.998	CN5		APPROVED
7.23	NP-000721	CR PACK	CR007 for R99 WI "OSA" to 29.998	CN5	Change the CN5 number and some cover sheet changes	REVISED to 0742
7.23	NP-000722	CR PACK	CRs for R98 WI "Supplementary Services"	CN4	Comments to the viewing of Line draw in one CR. This is caused by different versions of MS Office. MCC are aware of this problem and always correct this by a simple bitmap or re-drafting in one of the approved software tools.	APPROVED
7.2	NP-000723	CR	CR for R99 WI CAMEL3 29.078 [The original CAT Ds merged and re-classified to a single CAT F.]	CN2	Editorial changes to the cover page, and title Correction to ASN1 error, and removal of CN2 document number	REVISED to 0741
7.16	NP-000724	CR	CR on GSM-UMTS Interworking - R99	CN1		APPROVED
8.2	NP-000725	WID	IP Multimedia CN Subsystem, CSCF-HSS	CN4		APPROVED
7.13	NP-000726	LS OUT	LS to RAN, RAN3 and SA2 GTP Tunnel Addressing at GGSN	CN	Tdoc number incorrect, add in the term liaison to title, correct the attachment number.	REVISED to 0728
8.2	NP-000727	WID	Proposed revisions to SIP Call Control protocol for	CN1		APPROVED
7.13	NP-000728	LS OUT	LS to RAN, RAN3 and SA2 GTP Tunnel	CN		APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
5.2	NP-000729	LS IN	LS from T2 on Terminal Capabilities	T2	This issue has already been discussed within CN1. They have agreed that mixing application level information with MS classmark info is not desirable. Also discussed in TSG-T#10 meeting. Niels - this raises concerns on the network load. The model given is too simple. Consider the mobile who acts as a router with several intelligent devices attached and possible falling in and out of range (hence need for updates). This needs to be studied further before CN can do any work in this area. This issue will be taken to SA in order to examine the service requirements. CN simply notes the issue.	NOTED
8.6	NP-000730	WID	Revision of ASCI R00 Work Item	Nortel		APPROVED
	NP-000731	DISCUSSION DOC	SA5-led Work Items for Release 2000 (R4/R5)	SA5		NOTED
15	NP-000732	DISCUSSION DOC	GPRS Roaming	France Telecom		WITHDRAWN
11.3	NP-000733	CALENDAR	CN Calendar of Meetings for CN and it's working groups	CN Chair	NA Friends of 3GPP will host the November meeting. The official date of Thanksgiving (obtained from the US government web site: <a href="http://www.opm.gov/fedhol/2001.htm">http://www.opm.gov/fedhol/2001.htm</a> ) is November 22, 2001. This means that CN2/3/4 stay as currently planned, but CN1 needs to shift their meeting to one week later if they want to take advantage of the NA Friends of 3GPP offer and collocate with the other WGs. Niels mentioned the possibility of a RAN initiated workshop on PLMN selection somewhere early 2001.	NOTED
8.19	NP-000734	WID	Work Item Description for Release 4: #7 Signaling over IP in Core Network	Peter Kobriger, Ericsson	CN4 have not yet seen this WID. However they have seen some discussion documents on this issue. Nigel Berry suggests we should add BICC and ISUP to the protocols affected, but Iain Sharp and Peter Kobriger say we shouldn't, because those aren't 3GPP specs. Nigel also raises concern that there isn't a stable RFC for all the possible adaptation layers. Peter K reckons that this can be resolved when the details are explored in CN4. Lucent offered to join the supporting companies. Edgar mentioned that TELIA regard this as important work and ask for CN to Approve the WID. Telia does support the WID but do not have sufficient resources to provide contributions in CN4. TELIA will not be added to the list of supporting companies for this reason. Lucent was added to the list of supporting companies.	REVISED to 0736
8.19	NP-000735	WID	Proposed WID for Release 4: ODB (Operator	NEC		POSTPONED to CN#11
8.19	NP-000736	WID	Work Item Description for Release 4: #7 Signaling	Peter Kobriger,		APPROVED
8.19	NP-000737	WID	CN Work for Intra-domain connections of RAN nodes	VODAFO NE		APPROVED
8.19	NP-000738	WID	WID on intersystem roaming	CN4 Chair	The Work Item allows for more structured work within CN. However the service requirements are missing from SA. Mikko K proposed as there are no requirements from SA1, this WID should be considered as an early draft. This topic needs to be discussed in SA, and its working groups. Ian Park proposed a LS to SA and SA3 indicating this work and requesting guidance on service requirements for intersystem roaming. This WID will not be added to the LS. The question on the requirement for security should also be raised in the LS.	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
	NP-000739	LS OUT	LS to SA2 cc CN1 on V.44 Data Compression in	CN		APPROVED
	NP-000740	LS OUT	LS to SA on intersystem roaming	CN	Mikko K asked if this is the view of CN4. Ian clarified that this has not been seen by CN4 but this is the understanding within the group (as confirmed by the vice chair). Such a WI should exist if SA want the positive authentication to be done. The text of the LS was modified to reflect this to include <b>'only'</b> as a part of broader work item.	REVISED to 0747
7.2	NP-000741	CR	CR for R99 WI CAMEL3 29.078	CN2		APPROVED
7.23	NP-000742	CR PACK	CR007 for R99 WI "OSA" to 29.998	CN5		APPROVED
8.3	NP-000743	WID	CS based Emergency Call in Rel-4	CN1		APPROVED
	NP-000744	DISCUSSION DOC	Procedure for CN5 CR's to 23.127 chapters CN5 is	CN5	The joint responsibility for parts of 23.127 is presented.	ENDORSED
	NP-000745	LS OUT	LS to SA (cc SA2)on handling of	CN	REVISED before presentation to include a 3rd CR.	REVISED to 0745
	NP-000746	LS OUT	LS to SA (cc SA2)on maintenance of TS 23.127 [becomes SA -637]	CN	CN Plenary have ENDORSED the 3 contained CRs and SA are asked to approve them. The procedure described in the LS was previously ENDORSED by CN. It was agreed that there is no requirement to produce the Mirror CR to the version 4 as this functionality does not exist in Rel-5. This will be contained in CN5 specification TS 29.198.	APPROVED
	NP-000747	LS OUT	LS to SA on intersystem roaming [becomes SA-	CN		APPROVED
5.2	NP-000748	LS IN	Liaison statement on Positive authentication reporting	SA3	Relates to the LS in 0747.	NOTED



## History

<b>Document History</b>	
<b>22<sup>nd</sup> December 2000</b>	<p>DRAFT v.1.1.0 dispatched to the TSG-CN mail exploder for comments.</p> <p>Comments to be addressed to:</p> <p><b>Mr. David Boswarthick, 3GPP TSG CN MCC Support</b> MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 E-mail: david.boswarthick@ETSI.fr</p> <p>A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.</p> <p><b>E-mail comments back by 8<sup>th</sup> January 2001</b></p>
<b>24<sup>th</sup> January 2001</b>	Draft report v2.0.0 placed on the FTP server [inc. delegates comments]
<b>29<sup>th</sup> January 2001</b>	Draft report v2.0.1 placed on the FTP server [inc. editorial correction]
<b>6<sup>th</sup> February 2001</b>	Draft report v2.0.2 placed on the FTP server [inc. clear IPR statement]
<b>14<sup>th</sup> March 2001</b>	Final v2.1.0 approved at TSG#11 Meeting in Palm Springs – Made version 3.0.0 and placed to server as the official meeting report.