

**Third Generation Partnership Project**

**DRAFT REPORT v2.0.1**

**3GPP TSG-CN#9**

**Oahu, Hawaii**  
20<sup>th</sup> – 22<sup>nd</sup> September 2000



Hosted by ARIB, TTC, North American Friends of 3GPP

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## **1 Opening of the meeting**

A welcome introduction was given by Mr. Eiki Yamaguchi, Executive Managing Director of TTC. The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Ian Park (Vice-Chair, Vodafone) and Mr. David Boswarthick (CN MCC Support). The chair thanked the hosts for the meeting arrangements in Oahu.

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## **1 Approval of Agenda**

The agenda was approved (NP-00410), however in the future it was requested that the earlier release work precedes the current release work in the agenda.

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## **2 IPR Declarations**

The IPR question was asked and there was no response. There were questions about what types of IPR and how much IPR had to be declared. It was clarified that this IPR question was simply a reminder and in no way changed any of the pre-existing IPR obligations towards the partner SDOs. The guidelines for requesting IPR disclosures is provided in NP-000531.

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## **3 Items for External Attention**

### **3.1 For PCG Attention**

#### **3.1.1 Election of Vice-Chair**

Hiroshi Nakamura of NTT DoCoMo was elected as vice-chair on TSG-CN by acclamation. This needs formal ratification by the PCG.

#### **3.1.2 ITU-T Coordination**

Yun-Chao was appointed as convener of the TSG-CN ITU-T Coordination Ad-Hoc. The Ad-Hoc will remain dormant until direction is received from the upcoming SDO/ITU-T meeting on 3GPP/ITU-T coordination scheduled in November.

### **3.2 For SA Attention**

#### **3.2.1 Terminology**

TSG-CN will adopt the terminology "A/Gb mode" and "lu mode" to replace "in GSM" and "in UMTS" for R'99. For R'00 the terminology is still under discussion as there seem to be more possible options. Appropriate CRs will be generated by CN1.

#### **3.2.2 Support of GEA2**

Based upon the request of the previous SA plenary, CN has developed and approved CRs for the support of GEA2 for the purposes of early introduction of GEA2 in the UE. It was noted that there will be interworking problems with respect to deploying GEA2 in mixed R97/R98 and R99 networks, but these interworking issues already exist but are not due to these CRs.

#### **3.2.3 Feasibility Study on Positive Authentication Reporting**

CN4 received a liaison from SA3 requesting information on the impacts on supporting positive authentication reporting. It is CN4's understanding that this is intended for support of 3GPP2 subscribers. However since it is unclear how 3GPP2 networks fit into the 3GPP architecture, it is difficult to assess these impacts. A feasibility study is required to clarify the scope of this work.

There is insufficient interest within TSG-CN to initiate or sustain such a study so it is suggested that SA3 drive this study. CN4 will provide input as necessary (NP-000553).

### **3.2.4 Integrated Service Node (ISN)**

Based upon informal information that SA2 had rejected the concept of an Integrated Service Node (Combined SGSN and MSC/VLR), the WI for "Combined MAP signalling for Mobility Management" was rejected. CN4 was urged to find alternative ways to reduce the signalling load.

### **3.2.5 IMEI Coding**

Liaisons on this subject were reviewed from SA1, GSM-NA, and GSMA-TWG. Since the GSMA-TWG has indicated that it will be studying the issue with high priority, no action was taken at this meeting.

### **3.2.6 TrFO**

There are currently two competing alternatives for how to handle TrFO break. The primary specification impact of the two solutions is in RAN3. Although TSG-CN does not make a recommendation it wishes to make the following points:

- ✍ Delaying the selection of a TrFO break solution will jeopardize the possibility to complete the work in the March 2001 timeframe.
- ✍ Since the primary impacts are on RAN3, it is important that RAN3 be active in the selection of the solution.

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## **4 Liaisons from other Groups**

### **4.1 Support of GEA2**

Liaisons from CN1 on support of GEA2 was reviewed (NP-000411, NP-000412). It was noted that there will be interworking problems with respect to deploying GEA2 in mixed R97/R98 and R99 networks, but these interworking issues already exist but are not due to these CRs.

### **4.2 Terminology**

The liaisons from CN1 (NP-000413), RAN2 (NP-000418), and GERAN (NP-000532) were discussed. It was agreed to adopt the terminology "A/Gb mode" and "lu mode" to replace "in GSM" and "in UMTS" for R'99. For R'00 the terminology is still under discussion as there seem to be more possible options. Appropriate CRs will be generated by CN1.

### **4.3 Feasibility Study on Positive Authentication Reporting**

CN4 received a liaison from SA3 requesting information on the impacts on supporting positive authentication reporting (NP-000416). It is CN4's understanding that this is intended for support of 3GPP2 subscribers. However since it is unclear how 3GPP2 networks fit into the 3GPP architecture, it is difficult to assess these impacts. A feasibility study is required to clarify the scope of this work. There is insufficient interest in TSG-CN to initiate or sustain such a study so it is suggested that SA3 drive this study. CN4 will provide input as necessary (NP-000553).

### **4.4 Integrated Service Node (ISN)**

A liaison was copied from CN4 requesting SA2 assessment of the architectural impacts of a combine signalling node (NP-000420). Based upon informal information that SA2 had rejected the concept of an Integrated Service Node (Combined SGSN and MSC/VLR), the WI for "Combined MAP signalling for Mobility Management" was rejected. CN4 was urged to find alternative ways to reduce the signalling load.

#### **4.4.1 IMEI Coding**

Liaisons on this subject were reviewed from SA1 (NP-000419), GSM-NA (NP-000586), and GSMA-TWG (NP-000590). Since the GSMA-TWG has indicated that it will be studying the issue with high priority, no action was taken at this meeting.

#### **4.5 Miscellaneous**

Liaisons were noted on IGC rapporteurs from CN4 (NP-000420), All IP End-to-End delay feasibility study (NP-000587), and Location Services Functionality (NP-000588).

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### **5 Working Group Status and Issues**

#### **5.1 CN1**

The status report for CN1 is in NP-000530.

TS 24.064 and 24.065 were withdrawn and will be replaced with 44.064 and 44.065.

#### **5.2 CN2**

The status report for CN2 is in NP-000451.

Per Johan Jorgensen will begin providing MCC support for CN2 replacing Monica Hellman.

#### **5.3 CN3**

The status report for CN3 is in NP-000460.

The CN3 vice-chair has resigned. Nominations are urged.

#### **5.4 CN4**

The status report for CN4 is in NP-000583.

Kimmo Kymalainen will begin providing MCC support for CN4 replacing Franco Settimo.

#### **5.5 CN5**

The status report for CN5 is in NP-000477.

Per Johan Jorgensen will begin providing MCC support for CN5 replacing Monica Hellman.

#### **5.6 TrFO**

The status report for the TrFO workshop is in NP-000516. The principles outlined in this report were endorsed by the plenary.

There are currently two competing alternatives for how to handle TrFO break. The primary specification impact of the two solutions is in RAN3. Although TSG-CN does not make a recommendation it wishes to make the following points:

- ~~///~~ Delaying the selection of a TrFO break solution will jeopardize the possibility to complete the work in the March 2001 timeframe.
- ~~///~~ Since the primary impacts are on RAN3, it is important that RAN3 be active in the selection of the solution.

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## **6 Release 2000 Workitems**

### **6.1 Provisioning of IP based Multimedia Services**

The work item description for SIP CC in IM Subsystem (NP-000568) was approved. The completion date is CN#14. In accordance with the agreed CN IM work division this covers all SIP protocol work (regardless of the interface). It was agreed to emphasize in the WID that extensions to the protocol should be a last resort and that S2 should be kept informed of any architectural implications of the protocol work.

The work item description for "Interworking between IM CN subsystem and Circuit Switched networks" (NP-000465) was approved.

This work item description for "Interworking between IM CN subsystem and IP networks "(NP-000466) was postponed since it needs to be escalated to a building block and the work division between working groups needs to be clarified. This work item description is referred back to CN3 for revision.

### **6.2 R'00 Emergency call Enhancements**

CRs to R'00 work item CS based emergency call enhancement (NP-000447) were approved.

### **6.3 Enable Bearer Independent Circuit-Switched Network Architecture**

The work item description for "Bearer Independent Circuit Switched Core Network" (NP-000538) was approved.

It was agreed that CN4 would be responsible for specifying the H.248 packages required for the bearer independent circuit switched network architecture. How the H.248 packages will be communicated back to ITU-T will be determined at a later date. An input to ITU-T SG16 (with copy to ITU-T SG11) was endorsed by CN (NP-000569). This will be carried into ITU-T by Ericsson, but other companies are also welcome to carry this input into ITU-T.

A call for experts on H.248 was put out as CN4 currently lacks expertise in this area.

### **6.4 Circuit Switched Data Services**

The work item description for "IWF at the CN Border" was not approved due to lack of interest (no rapporteur, no supporting companies). The work item description was referred back to CN3 to try and drum up support.

### **6.5 Facsimile**

CRs to RT Facsimile in NP-000475 and NP-000476 were approved.

### **6.6 7.7 TrFO**

The work item description for "Out of Band Transcoder Control" (NP-000529) was approved.

CRs in NP-000448 were approved.

### **6.7 Security Enhancements for R'00**

CRs on CN security (NP-000485) and Map Security (NP-000494) were approved.

### **6.8 ASCI**

CRs on work item ASCI in NP-000449 were approved.

### **6.9 TEI**

CRs to work item TEI in NP-000545 were approved.



## **6.10 ISN**

A work item description for “Optimisation of Signalling: Combined MAP Signalling for mobility management” (NP-000509) was rejected. Based upon informal information that SA2 had rejected the concept of an Integrated Service Node (Combined SGSN and MSC/VLR), the WI for “Combined MAP signalling for Mobility Management” was rejected. CN4 was urged to find alternative ways to reduce the signalling load.

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## **7 R'99 Work items**

### **7.1 Camel Phase 2**

CRs approved (NP-000482).

### **7.2 Camel Phase 3**

CRs approved (NP-000456, NP-000457, NP-000458, NP-000459, NP-000483, NP-000484, NP-000581).

### **7.3 Security**

CRs approved (NP-000445, NP-000497, NP-000498).

### **7.4 GSM Maintenance**

CRs approved (NP-000439, NP-000440)

### **7.5 TEI**

CRs approved (NP-000468, NP-000540, NP-000552, NP-000543, NP-000472, NP-000551, NP-000542, NP-000499, NP-000556, NP-000557).

### **7.6 Multimedia**

CRs approved (NP-000442)

### **7.7 OoTBC**

CRs approved (NP-000444)

### **7.8 ASCI**

CRs approved (NP-000450, NP-000481)

### **7.9 GPRS**

CRs approved (NP-000437, NP-000441, NP-000536)

### **7.10 GTP Enhancement**

CRs approved (NP-000489)

### **7.11 Handover**

CRs approved (NP-000490, NP-000491)

### **7.12 GSM-UMTS Interworking**

CRs approved (NP-000438, NP-000443, NP-000488). CRs for removal of service accept (NP-000436) conditionally improved dependent on linked CR to 23.060 (that was subsequently approved in SA#9 meeting).

### **7.13 Location Services**

CRs approved (NP-000492) for confidence interval, however it is suggested that SA or SA2 may wish to study alternative schemes for more sophisticated confidence intervals. Additional CRs also approved (NP-000444).

### **7.14 Multicall**

CRs approved (NP-000559)

### **7.15 MS Classmark**

CRs approved (NP-000446).

### **7.16 GLR**

CRs approved (NP-000558).

### **7.17 Prepaging**

CRs approved (NP-000496).

### **7.18 OSA**

CRs approved (NP-000519, NP-000520, NP-000521).

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## **8 Elections**

Hiroshi Nakamura of NTT DoCoMo was elected as vice-chair on TSG-CN by acclamation.

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## **9 Work Organization**

### **9.1 Worksplitted between TSG-CN and SA2**

Based upon feedback that SA2 did not feel that it was appropriate to transfer control on 23.060 and the LCS stage 2 specifications at this time, no transfer will occur. CN1 and CN4 remain willing to accept responsibility for those specifications once SA2 feels that they can be transferred.

### **9.2 Principles for work organization within CN**

It was agreed in principal that IM work will be allocated within CN on an interface basis (as opposed to an interface basis). The following preliminary allocation was agreed:

- ?? CN1: SIP (Call control) including SIP supplementary services, SDP (Session Definition Protocol)
- ?? CN2: CAMEL extensions for VoIP and multimedia
- ?? CN3: QoS protocols (such as RSVP), RTP (CRPT should probably be in R3).
- ?? CN4: Name to Address translation functions, AAA protocols, security protocols, subscriber data management in HSS and the HSS to CSCF protocols to support this.
- ?? CN5: extension of OSA to VoIP and multimedia

This agreement will be revisited at the next plenary.

### **9.3 Co-located Meetings**

To facilitate joint meetings as required. It was agreed that the CN1, CN2, CN3, and CN4 will attempt to co-locate their meetings during the first half of 2001. CN1, CN2, and CN4 will co-locate and CN3 will attempt to realign its schedule with the other groups. CN5 will not co-locate since they are independent from the other groups and also shares MCC support.

## 9.4 ToRs

ToRs have been approved for CN (NP-000570), CN1 (NP-000571), CN2 (NP-000572), CN3 (NP-000573), and CN4(NP-000574). The CN3 ToR should be updated by CN3 as it does not include any IM work.

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## 10 Specifications in TSG-CN Domain

The specifications are referred to the WGs for review.

It was agreed to transfer 24.012 to GERAN. This information will be communicated to the TSG-GERAN chair.

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## 11 Workplan / Project plan

### 11.1 Review of the project plan

There was a strong demand for a revision tracking methodology to be used in the project plan. NP-000562 shows an example of one such revision tracking method. It was felt that a revision marking and version history was required in order to understand:

- ✍ What has been changed
- ✍ Who introduced the change
- ✍ Why some changes were not included

This methodological proposal will be submitted to MCC. It is left for the MCC experts to decide the actual technique used to track revisions. There was concern that the revision method should be based upon a permanent identity instead of line item numbers which will change.

The specific changes are in NP-000563 (CN1), NP-000564 (CN2), NP-000565 (CN3), NP-000566 (CN4) and are endorsed by CN. In addition there was agreement to remove row 101. These should be included in the next revision of the project plan.

### 11.2 Allocation of R'00 to Releases

The TSG-CN agreements on workplan are captured in NP-000555. It was agreed that there could be milestones associated with intermediate points (such as availability of basic call handling in the IM subsystem), but these would not be work tasks.

### 11.3 Future Meeting Schedule

The proposed TSG schedule for December 2000 and 2001 was presented.

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## 12 Working Methods/Work Style

There was a discussion of WG terminology. It was agreed that the abbreviation for TSG-CN WGx would be CNx.

After a long discussion of how to handle editorial changes, a change to the 3GPP working methods (21.900) was proposed to clarify some of the categories and to add a new corrective (class F) subcategory for correction of an ambiguity. The proposed CR is in NP-000548. This will be liased to the other TSGs for overall 3GPP approval.

A companion CR was created to 21.900 that describes the acceptable criteria for making a correction to a frozen release. This is captured in NP-000554 and will also be liased to the other TSGs for overall 3GPP approval.

## ANNEX A: OUTPUT MATERIAL

### A.1 Liaisons Approved to be sent following TSG-N#9

NP_Tdoc	Title	LS to	LS Copied	LS attachments	Sent
NP-000533	LS to S3 on Positive Authentication Reporting	S3	CN4	NP-000416	01/10/00
NP-000548	LS to TSG-R, T and SA including a CR to 21.900 on CR CATEGORIES	TSG-GERAN, TSG-RAN & TSG-T		NP-000548	01/10/00
NP-000554	LS presenting CR to 21.900 to introduce CAT C sub-categories	TSG SA, TSG-GERAN, TSG-RAN, TSG-T		INCLUDES CR to 21.900	22/09/00
NP-000555	CN position paper on R4 and R5 Work Planning Principles	TSG-SA			22/09/00

### A.2 New TSs /TRs Approved at TSG-N#9

None at this meeting

### A.3 New / Revised Work Items Approved at TSG-N#9

NP_Tdoc	Title	for Release
NP-000465	Revised proposed work item description for interworking between IM CN subsystem and circuit switched networks	R00
NP-000529	WI Description: Out of band Transcoder Control	R00
NP-000538	WI Description: Bearer Independent Circuit-Switched Core Network	R00
NP-000568	WI description for R00 - "SIP-CC over Gm interface", N1-000856	R00

### A.4 CRs Approved at TSG-N#9

Tdoc	Spec	CR	Rev	Cat	Subject	Phase	To Ver	Workitem	CN WG
NP-000499	03.08	A033		A	Deletion of "Barring of roaming" stored in the SGSN	R98	7.3.0	T.E.I	N4
NP-000499	03.08	A034		F	Deletion of "Barring of roaming" stored in the SGSN	R97	6.4.0	T.E.I	N4
NP-000551	03.10	A012	1	F	32kbit/s UDI/RDI multimedia	R99	8.1.0	T.E.I	N3
NP-000499	03.16	A041		A	Correction to Delete Subscriber Data	R98	7.3.0	T.E.I	N4
NP-000499	03.16	A042		F	Correction to Delete Subscriber Data	R97	6.4.0	T.E.I	N4
NP-000482	03.18	A062	1	F	Correction of Obtain_Routeing_Address for the reconnect case	R97	6.5.0	CAMEL Phase 2	N4
NP-000482	03.18	A063	1	A	Correction of Obtain_Routeing_Address for the reconnect case	R98	7.3.0	CAMEL Phase 2	N4
NP-000450	03.68	A032		F	Clarification of anchor MSC address format	R97	6.2.0	ASCI	N1
NP-000450	03.68	A033		A	Clarification of anchor MSC address format	R98	7.1.0	ASCI	N1
NP-000450	03.69	A022		F	Clarification of anchor MSC address format	R97	6.2.0	ASCI	N1
NP-000450	03.69	A023		A	Clarification of anchor MSC address format	R98	7.1.0	ASCI	N1
NP-000438	04.08	A1039		F	Deletion of references to OSP:IHOSS for R98	R98	7.8.0	GSM/UMTS Interworking	N1

Tdoc	Spec	CR	Rev	Cat	Subject	Phase	To Ver	Workitem	CN WG
NP-000439	04.08	A1041		F	Missing P-TMSI reallocation after Attach or RAU	R97	6.11.0	GPRS	N1
NP-000439	04.08	A1043		A	Missing P-TMSI reallocation after Attach or RAU	R98	7.8.0	GPRS	N1
NP-000437	04.08	A1045	1	F	Optional support of GEA/2 Encryption Algorithm in the MS	R97	6.11.0	GPRS	N1
NP-000437	04.08	A1047	1	A	Optional support of GEA/2 Encryption Algorithm in the MS	R98	7.8.0	GPRS	N1
NP-000439	04.08	A993	1	F	Usage of cause code IE in network initiated detach	R97	6.11.0	GPRS	N1
NP-000439	04.08	A995	1	A	Usage of cause code IE in network initiated detach	R98	7.8.0	GPRS	N1
NP-000440	04.11	A019		F	Corrections of CP/RP-DATA IE lengths	PH2	4.10.1	T.E.I	N1
NP-000440	04.11	A020		A	Corrections of CP/RP-DATA IE lengths	R96	5.2.1	T.E.I	N1
NP-000440	04.11	A021		A	Corrections of CP/RP-DATA IE lengths	R97	6.0.1	T.E.I	N1
NP-000440	04.11	A022		A	Corrections of CP/RP-DATA IE lengths	R98	7.0.0	T.E.I	N1
NP-000551	04.21	A019	1	F	32kbit/s UDI/RDI multimedia	R99	8.1.0	T.E.I	N3
NP-000441	04.64	A143	1	F	Corrections regarding NULL frame	R99	8.4.0	GPRS	N1
NP-000441	04.65	A070	1	F	Deletion of PDP type X.25	R99	8.0.0	GPRS	N1
NP-000441	04.65	A071	1	F	Supporting RFC2507 Header Compression in SNDTCP	R99	8.0.0	GPRS	N1
NP-000492	04.80	A018		F	Addition of error type description for PositionMethodFailure	R98	7.3.0	LCS	N4
NP-000551	08.20	A008	1	F	32kbit/s UDI/RDI multimedia	R99	8.1.0	T.E.I	N3
NP-000499	09.02	A304		F	Deletion of Annex C	R96	5.15.0	T.E.I	N4
NP-000499	09.02	A305		A	Deletion of Annex C	R97	6.8.0	T.E.I	N4
NP-000499	09.02	A306		A	Deletion of Annex C	R98	7.5.0	T.E.I	N4
NP-000492	09.02	A310	1	F	Correction to QoS indication	R98	7.5.1	LCS	N4
NP-000536	09.60	A089	2	F	MM Context information coding clarification	R97	6.8.0	GPRS	N4
NP-000536	09.60	A090	2	A	MM Context information coding clarification	R98	7.5.0	GPRS	N4
NP-000536	09.60	A091	1	F	Encoding of IMSI	R98	7.5.0	GPRS	N4
NP-000536	09.60	A092	1	F	Encoding of IMSI	R97	6.8.0	GPRS	N4
NP-000536	09.60	A094		F	Removal of IHOS from GTP	R98	7.5.0	GPRS	N4
NP-000536	09.60	A095	1	F	Coding of TI in PDP Context IE	R98	7.5.0	GPRS	N4
NP-000536	09.60	A096		F	Addition of MS Not Reachable Reason to Send Routing Information For GPRS	R97	6.8.0	GPRS	N4
NP-000536	09.60	A097		A	Addition of MS Not Reachable Reason to Send Routing Information For GPRS	R98	7.5.0	GPRS	N4
NP-000545	10.02	A004	1	C	The handling of application layer errors in MAP	rel-4	6.0.0	T.E.I	N4
NP-000499	23.003	023	1	F	Alignment of 23.003 with text from 25.401	R99	3.5.0	T.E.I	N4
NP-000499	23.008	030		A	Deletion of "Barring of roaming" stored in the SGSN	R99	3.3.0	T.E.I	N4

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NP-000499	23.008	031		A	Corrections of the description of BC allocation for VLR	R99	3.4.0	T.E.I	N4
NP-000444	23.009	012	1	F	Correction to transcoder handling for R99	R99	3.3.0	TrFo/OoBTC	N1
NP-000556	23.011	002	1	D	SDL refresh	R99	3.0.1	T.E.I	N4
NP-000499	23.016	016		F	Correction to Delete Subscriber Data	R99	3.5.0	T.E.I	N4
NP-000499	23.018	053		F	Correction of connector numbering in process ICH_MSC	R99	3.5.0	T.E.I	N4
NP-000496	23.018	054		F	Correction of the SDL diagram for Pre-paging	R99	3.5.0	Pre paging	N4
NP-000545	23.018	055	4	C	Inclusion of Call Hold in Basic Call Handling	rel-4	3.5.0	T.E.I	N4
NP-000483	23.018	056		F	Correction to Process ICH_VLR	R99	3.5.0	CAMEL Phase 3	N4
NP-000483	23.018	057	3	F	Handling of the Call Diversion Treatment Indicator	R99	3.5.0	CAMEL Phase 3	N4
NP-000499	23.018	059		F	Corrections to procedure obtain routeing address	R99	3.5.0	T.E.I	N4
NP-000499	23.018	060		F	Corrections to process ICH_VLR	R99	3.5.0	T.E.I	N4
NP-000483	23.018	061	2	F	Update of CAMEL References	R99	3.5.0	CAMEL Phase 3	N4
NP-000483	23.018	063	1	A	Correction of Obtain_Routeing_Address for the reconnect case	R99	3.5.0	CAMEL Phase 3	N4
NP-000483	23.072	004		F	Transfer of Procedure Check_CD_SII2 to TS 23.078	R99	3.2.0	CAMEL Phase 3	N4
NP-000483	23.072	005		F	Handling of the Call Diversion Treatment Indicator	R99	3.2.0	CAMEL Phase 3	N4
NP-000456	23.078	134	4	F	Interworking of Call Forwardings and new CAMEL3 trigger detection points	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	137	4	F	E-parameter handling of distinct CAP dialogues/TDPs	R99	3.5.0	CAMEL Phase 3	N2
NP-000459	23.078	181	2	F	Indication of Network requested PDP Context in Initial DPGPRS message	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	185	1	F	Addition of the Handle_FCI_GPRS procedure	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	186		F	Correction to Procedure CAMEL_ICH_MSC_INIT	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	187	1	F	Transfer of Procedure Check_CD_SII2 from TS 23.072	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	188	2	F	Update of References for the Location Information IE	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	190		F	Removal of duplicate SGSN address/number from IDP-GPRS	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	191		F	Clean-up the Monitoring state User Interaction	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	192		D	Editorial corrections and enhancements	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	193	1	F	GPRS Change of Position Procedure for Session and Context	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	194	3	F	Corrections on GPRS	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	198	3	F	Location Number GPRS	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	200	7	F	ACR/AC supervision for GPRS	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	201	1	F	Correction to Procure CAMEL_Modify_CUG_Info	R99	3.5.0	CAMEL Phase 3	N2
NP-000456	23.078	203	1	D	Move of processing rules for GPRS context.	R99	3.5.0	CAMEL Phase 3	N2

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NP-000457	23.078	204		F	Interaction with CUG	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	205	1	F	Handling of the Call Diversion Treatment Indicator	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	206	1	F	GPRS location information in GPRSEventSpecificInformation	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	207	1	F	Removal of NPI check in DP Analyzed_Information	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	208	2	F	SDL modelling and overlapping dialogue case	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	209		F	Correction CAMEL_MT_GMSC_INIT	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	213	1	F	Correction of MO-SMS SDL's	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	215		F	Correction to description of DP Collected_Info	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	216	1	F	Introduction of Guard Timer for GPRS TCAP dialogue handling	R99	3.5.0	CAMEL Phase 3	N2
NP-000459	23.078	217		F	PDP establishment	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	218	1	D	Clarification of description of number comparison for dialled services	R99	3.5.0	CAMEL Phase 3	N2
NP-000457	23.078	219		F	Correction to Initial DP SMS Information Flow	R99	3.5.0	CAMEL Phase 3	N2
NP-000581	23.078	220		F	Correction to the missing connection in SDL_gsmSSF	R99	3.5.0	CAMEL Phase 3	N2
NP-000499	23.079	015		F	Sheet 1 of Procedure OR_HLR_CF	R99	3.5.0	T.E.I	N4
NP-000556	23.082	008	1	D	SDL refresh	R99	3.2.0	T.E.I	N4
NP-000556	23.083	004	1	D	SDL refresh	R99	3.1.0	T.E.I	N4
NP-000545	23.083	005	1	D	Inclusion of call hold in basic call handling	R99	3.1.0	T.E.I	N4
NP-000556	23.084	002	1	D	SDL refresh	R99	3.1.0	T.E.I	N4
NP-000556	23.085	001	1	D	SDL refresh	R99	3.0.1	T.E.I	N4
NP-000556	23.086	001	1	D	SDL refresh	R99	3.0.1	T.E.I	N4
NP-000556	23.087	001	1	D	SDL refresh	R99	3.0.1	T.E.I	N4
NP-000556	23.088	002	1	D	SDL refresh	R99	3.1.0	T.E.I	N4
NP-000556	23.090	002	1	D	SDL refresh	R99	3.1.0	T.E.I	N4
NP-000556	23.091	002	1	D	SDL refresh	R99	3.1.0	T.E.I	N4
NP-000483	23.093	003	1	F	Handling of the Call Completion Treatment Indicator	R99	3.1.0	CAMEL Phase 3	N4
NP-000483	23.093	004		F	Handling of the Call Diversion Treatment Indicator	R99	3.1.0	CAMEL Phase 3	N4
NP-000481	23.094	002		F	Correction of the wrong Service Code	R99	3.1.0	ASCI	N4
NP-000443	23.122	009	2	F	Clarifications of the PLMN Selection procedures for UMTS and COMPACT.	R99	3.3.0	GSM / UMTS interworking	N1
NP-000559	23.135	002	4	F	Requirement on Network to Tear Down Calls to Accept Emergency Calls in Multicall	R99	3.0.0	Multicall	N4
NP-000545	23.135	003	1	D	Inclusion of call hold in basic call handling	rel-4	3.0.0	T.E.I	N4

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NP-000559	23.135	004	1	F	Correction to MT_Multicall SDL	R99	3.0.0	Multicall	N4
NP-000476	23.146	001		F	Correction of SDL Diagrams	rel-4	4.0.0	Facsimile	N3
NP-000552	23.146	002		F	Modification from V.25bis to V.250	rel-4	4.0.0	Facsimile	N3
NP-000543	23.910	009		F	Cleanup of RAB parameter setting	R99	3.1.0	T.E.I	N3
NP-000468	23.910	010		A	Transparent 32kbit/s data rate with I.460 rate adaptation	rel-4	3.1.0	T.E.I	N3
NP-000468	23.910	011		F	Transparent 32kbit/s data rate with I.460 rate adaptation	R99	3.1.0	T.E.I	N3
NP-000475	23.910	012		F	Deletion of UMTS NT-RT FAX from R'99	R99	3.1.0	T.E.I	N3
NP-000543	23.910	013		A	Cleanup of RAB parameter setting	rel-4	3.1.0	T.E.I	N3
NP-000542	23.910	014		F	3.1kHz multimedia at 33.6kbit/s	R99	3.1.0	T.E.I	N3
NP-000543	23.910	015		A	Delivery of erroneous SDUs parameter value	rel-4	3.1.0	T.E.I	N3
NP-000543	23.910	016		F	Delivery of erroneous SDUs parameter value	R99	3.1.0	T.E.I	N3
NP-000542	23.910	017		A	3.1kHz multimedia at 33.6kbit/s	rel-4	3.1.0	T.E.I	N3
NP-000443	24.007	013	3	F	SAPs and Service primitives for UMTS, PS mode.	R99	3.4.0	GSM/ UMTS Interworking	N1
NP-000443	24.007	018		F	Protocol discriminator value for UE special conformance testing functions	R99	3.4.0	GSM/ UMTS Interworking	N1
NP-000443	24.007	019	1	F	Correction of send sequence number method applied protocols	R99	3.4.0	GSM/UMTS Interworking	N1
NP-000443	24.007	020		F	Editorial corrections	R99	3.4.0	GSM/UMTS Interworking	N1
NP-000441	24.007	021		F	Protocol Discriminator for DTM (simple class A)	R99	3.4.0	GPRS	N1
NP-000448	24.008	073	5	B	CC Enhancements for Codec Selection	rel-4	3.5.0	OoBTC	N1
NP-000443	24.008	229	1	F	P-TMSI signature handling	R99	3.4.1	GSM/ UMTS Interworking	N1
NP-000445	24.008	230	1	F	Network Authentication Failure	R99	3.4.1	Security	N1
NP-000443	24.008	233	1	F	DRX IE as mandatory IE for RAU	R99	3.4.1	GSM/UMTS interw	N1
NP-000443	24.008	235		F	New cause for Modify PDP Context Reject	R99	3.4.1	GSM/UMTS Interworking	N1
NP-000443	24.008	236	2	F	Reaction to duplicated PDP context activation	R99	3.4.1	GSM/UMTS Interworking	N1
NP-000443	24.008	238	1	F	Editorial Modification on SM state transition model	R99	3.4.1	GSM/UMTS Interworking	N1
NP-000440	24.008	242		F	Wrong reference after 04.08 split	R99	3.4.1	T.E.I	N1
NP-000443	24.008	243		F	Editorial correction of figure in QoS IE	R99	3.4.1	GSM/UMTS Interworking	N1
NP-000436	24.008	244	2	F	Clarification to Service Request procedure	R99	3.4.1	GSM/ UMTS Interworking	N1
NP-000447	24.008	245	3	B	Emergency Call Additions	rel-4	3.5.0	CS Emergency Call Handling	N1
NP-000438	24.008	247		A	Deletion of references to OSP:IHOSS for R99	R99	3.4.1	GSM/UMTS Interworking	N1
NP-000443	24.008	248	1	F	Editorial corrections	R99	3.4.1	GSM/UMTS Interworking	N1
NP-000439	24.008	249		A	Missing P-TMSI reallocation after Attach or RAU	R99	3.4.1	GPRS	N1



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NP-000443	24.008	251	2	F	Introduction of 3G Radio Access Technology capabilities in the MS Radio Access Capability IE	R99	3.4.1	GSM-UMTS Interw'g	N1
NP-000445	24.008	252		F	Modifications to the authentication failure procedure	R99	3.4.1	Security	N1
NP-000442	24.008	254	1	F	3.1 kHz multimedia calls at 33.6 kbit/s data rate	R99	3.4.1	Multimedia	N1
NP-000443	24.008	255	3	F	Duplicated PDP context activation and clarification of TI related issues.	R99	3.4.1	GSM/ UMTS Interworking	N1
NP-000446	24.008	260		F	MS Classmark 3 Tidy-up	R99	3.4.1	Ms classmark	N1
NP-000445	24.008	261		F	Correction of the storage of the ciphering key	R99	3.4.1	Security	N1
NP-000440	24.011	008		A	Corrections of CP/RP-DATA IE lengths	R99	3.3.0	T.E.I	N1
NP-000540	24.022	005	1	F	Relevance of GSM specific BC-IE parameters for negotiating RLP version in UMTS	R99	3.3.0	T.E.I	N3
NP-000488	24.080	005	1	F	Message type: Alignment to 24.007 and 24.008	R99	3.3.0	GSM-UMTS interworkin	N4
NP-000492	24.080	006		A	Addition of error type description for PositionMethodFailure	R99	3.3.0	LCS	N4
NP-000540	27.001	024	1	A	UMTS clean-up	rel-4	4.0.0	T.E.I	N3
NP-000540	27.001	025		F	Relevance of GSM specific BC-IE parameters for negotiating RLP version in UMTS	R99	3.5.0	T.E.I	N3
NP-000543	27.001	026		F	Cleanup of RAB parameter setting	R99	3.5.0	T.E.I	N3
NP-000543	27.001	027		A	Cleanup of RAB parameter setting	rel-4	4.0.0	T.E.I	N3
NP-000540	27.001	028		A	Relevance of GSM specific BC-IE parameters for negotiating RLP version in UMTS	rel-4	4.0.0	T.E.I	N3
NP-000475	27.001	029		F	Deletion of UMTS NT-RT FAX from R99	R99	3.5.0	T.E.I	N3
NP-000540	27.001	030	1	F	UMTS clean-up	R99	3.5.0	T.E.I	N3
NP-000551	27.001	031		F	32kbit/s UDI/RDI multimedia	R99	3.5.0	T.E.I	N3
NP-000551	27.001	032		A	32kbit/s UDI/RDI multimedia	rel-4	4.0.0	T.E.I	N3
NP-000542	27.001	034		A	3.1kHz multimedia at 33.6kbit/s	rel-4	4.0.0	T.E.I	N3
NP-000543	27.001	035		F	Delivery of erroneous SDUs parameter value	R99	3.5.0	T.E.I	N3
NP-000540	27.001	036		D	Clarification related to RCR	rel-4	4.0.0	T.E.I	N3
NP-000552	27.001	037		F	Modification from V.25bis to V.250	R99	3.5.0	T.E.I	N3
NP-000552	27.001	038		A	Modification from V.25bis to V.250	rel-4	4.0.0	T.E.I	N3
NP-000542	27.001	039		F	3.1kHz multimedia at 33.6kbit/s	R99	3.5.0	T.E.I	N3
NP-000543	27.001	040		A	Delivery of erroneous SDUs parameter value	rel-4	4.0.0	T.E.I	N3
NP-000475	27.002	005		F	Deletion of UMTS NT-RT FAX from R'99	R99	3.4.0	T.E.I	N3
NP-000552	27.002	006		F	Modification from V.25bis to V.250	R99	3.4.0	T.E.I	N3
NP-000552	27.002	007		A	Modification from V.25bis to V.250	rel-4	3.4.0	T.E.I	N3
NP-000552	27.003	006		F	Modification from V.25bis to V.250	R99	3.4.0	T.E.I	N3

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NP-000542	29.007	026		A	3.1kHz multimedia at 33.6kbit/s	rel-4	3.5.0	T.E.I	N3
NP-000542	29.007	027		F	3.1kHz multimedia at 33.6kbit/s	R99	3.5.0	T.E.I	N3
NP-000497	29.002	151		F	AUTN and AUTS parameter length	R99	3.5.0	Security	N4
NP-000485	29.002	152	1	F	Clarifications for secure MAP transport	R99	3.5.1	Core Network Securit	N4
NP-000545	29.002	153	1	D	Generalization of version handling text in subclause 18.2.4	rel-4	4.0.1	T.E.I	N4
NP-000497	29.002	154	3	F	Clarification on Authentication Failure Report ack	R99	3.5.2	Security	N4
NP-000490	29.002	156		F	Aligning 29.002 with 25.413 (UTRAN Iu Interface RANAP Signalling)	R99	3.5.1	Handover	N4
NP-000499	29.002	157		A	Deletion of Annex C	R99	3.5.1	T.E.I	N4
NP-000491	29.002	159		A	Aligning 29.002 with 25.413 (UTRAN Iu Interface RANAP Signalling)	rel-4	4.0.1	Handover	N4
NP-000498	29.002	160		A	AUTN and AUTS parameter length	rel-4	4.0.1	Security	N4
NP-000498	29.002	161	2	A	Clarification on Authentication Failure Report ack	rel-4	4.0.1	Security	N4
NP-000483	29.002	162	1	F	Correction on Location Information	R99	3.5.1	CAMEL Phase 3	N4
NP-000484	29.002	163	1	A	Correction on Location Information	rel-4	4.0.1	CAMEL Phase 3	N4
NP-000483	29.002	165		F	Removal of LSAIdentity from NoteMM-EventArg	R99	3.5.1	CAMEL phase 3	N4
NP-000483	29.002	173	2	F	Optionality of parameters in GPRS-CSI	R99	3.5.1	CAMEL Phase 3	N4
NP-000484	29.002	174	2	A	Optionality of parameters in GPRS-CSI	rel-4	4.0.1	CAMEL Phase 3	N4
NP-000492	29.002	175	1	A	Correction to QoS indication	R99	3.5.1	LCS	N4
NP-000493	29.002	176	1	A	Correction to QoS indication	rel-4	4.0.1	LCS	N4
NP-000490	29.002	177	1	F	Clarification of use of Radio Resource Information	R99	3.5.1	Handover	N4
NP-000491	29.002	178	1	A	Clarification of use of Radio Resource Information	rel-4	4.0.1	Handover	N4
NP-000556	29.002	179	1	D	Correction to MSC-A handover SDLs	R99	3.5.1	T.E.I	N4
NP-000557	29.002	180	1	D	Correction to MSC-A handover SDLs	rel-4	4.0.1	T.E.I	N4
NP-000557	29.002	180	2	D	Correction to MSC-A handover SDLs	rel-4	4.0.1	T.E.I	N4
NP-000484	29.002	182		A	Removal of LSAIdentity from NoteMM-EventArg	rel-4	4.0.1	CAMEL phase 3	N4
NP-000492	29.002	183		F	LCS Support for CAMEL Phase 3	R99	3.5.1	LCS	N4
NP-000493	29.002	184		A	LCS Support for CAMEL Phase 3	rel-4	4.0.1	LCS	N4
NP-000556	29.002	185	1	D	Correction to MSC-A handover SDLs	R99	3.5.1	T.E.I	N4
NP-000557	29.002	186	1	D	Correction to MSC-A handover SDLs	rel-4	4.0.1	T.E.I	N4
NP-000483	29.002	187		F	Clarification for segmentation of D-CSI and SMS-CSI	R99	3.5.1	CAMEL Phase 3	N4
NP-000484	29.002	188		A	Clarification for segmentation of D-CSI and SMS-CSI	rel-4	4.0.1	CAMEL Phase 3	N4
NP-000468	29.007	022		A	Transparent 32kbit/s data rate with I.460 rate adaptation	rel-4	3.5.0	T.E.I	N3

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NP-000475	29.007	023		F	Deletion of UMTS NT-RT FAX from R'99	R99	3.5.0	T.E.I	N3
NP-000468	29.007	024		F	Transparent 32kbit/s data rate with 1.460 rate adaptation	R99	3.5.0	T.E.I	N3
NP-000476	29.007	025		F	Correction of incomplete part related to introduction of UMTS NT-RT FAX	rel-4	3.5.0	Facsimile	N3
NP-000540	29.007	028		D	Clarification related to RCR	rel-4	3.5.0	T.E.I	N3
NP-000551	29.007	029		A	32kbit/s UDI/RDI multimedia	rel-4	3.5.0	T.E.I	N3
NP-000551	29.007	030		F	32kbit/s UDI/RDI multimedia	R99	3.5.0	T.E.I	N3
NP-000490	29.010	006	1	F	Clarification of use of Radio Resource Information	R99	3.2.0	Handover	N4
NP-000499	29.010	007	1	F	Corrections and updates to align with current R99 specs	R99	3.2.0	T.E.I	N4
NP-000441	29.016	004	1	F	Different SSNs for SGSN and VLR	R99	3.0.0	GPRS	N1
NP-000441	29.018	010		F	Reject cause in case of expiry of T6-1	R99	3.3.0	GPRS	N1
NP-000489	29.060	105	1	F	Race Conditions Avoidance	R99	3.5.0	GTP enhancements	N4
NP-000536	29.060	121		D	Definition of TEID value in GTP-U header	R99	3.5.0	GPRS	N4
NP-000489	29.060	122	3	F	Solution for race condition of GTP procedures	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	123	1	F	Clarifications concerning the use of TEID in the Control Plane	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	124	1	D	Editorial modifications concerning TEID Control Plane and TEID Data	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	126	2	F	Sequence number in signalling messages	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	127		D	Clarification of the conditional information elements	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	128	1	F	Enhancement of MS Network capability and GPRS Ciphering Algorithm	R99	3.5.0	GTP enhancements	N4
NP-000536	29.060	129		F	IPv6 support for Charging Gateway Address	R99	3.5.0	GPRS	N4
NP-000536	29.060	130		F	Signalling messages in GTP	R99	3.5.0	GPRS	N4
NP-000536	29.060	131	1	F	Security parameter transport in case of 2G-3G interworking	R99	3.5.0	GPRS	N4
NP-000536	29.060	132	1	A	Encoding of IMSI	R99	3.5.0	GPRS	N4
NP-000536	29.060	133		A	Removal of IHOSS from GTP	R99	3.5.0	GPRS	N4
NP-000536	29.060	135		F	Addition of MS Not Reachable Reason to Send Routing Information For GPRS	R99	3.5.0	GPRS	N4
NP-000536	29.060	138	1	A	Coding of TI in PDP Context	R99	3.5.0	GPRS	N4
NP-000489	29.060	139	1	F	Clarifications on the use of TEID in the Control Plane	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	140		F	Correction on the handling of the PDP Context at unsuccessful PDP Context re-activation	R99	3.5.0	GTP enhancements	N4
NP-000536	29.060	141	2	F	Categorize Error indication as the GTP-U message	R99	3.5.0	GPRS	N4
NP-000489	29.060	142		F	Clarifications on the presence condition of TLLI/P-TMSI in SGSN Context request	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	143	2	F	Correction on Reliable transmission of signalling messages	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	144		F	Alignment of the description of tables for Identification Request and SGSN Context Request	R99	3.5.0	GTP enhancements	N4

Tdoc	Spec	CR	Rev	Cat	Subject	Phase	To Ver	Workitem	CN WG
NP-000489	29.060	145	1	F	Correction to the SGSN Context transfer Request and response messages	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	146	2	F	Correction to the SGSN Forward relocation Request and Response messages	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	147		F	Clarification on the handling of response messages	R99	3.5.0	GTP enhancements	N4
NP-000489	29.060	148		F	Clarification on SGSN context acknowledge message	R99	3.5.0	GTP enhancements	N4
NP-000472	29.061	014		F	GPRS Mobile IP interworking	R99	3.3.0	T.E.I	N3
NP-000459	29.078	099	3	F	Indication of Network requested PDP Context in Initial DP GPRS message	R99	3.4.1	CAMEL Phase 3	N2
NP-000458	29.078	101		F	CAP-GPRS-ReferenceNumber ASN.1 correction	R99	3.4.1	CAMEL Phase 3	N2
NP-000458	29.078	102		F	Removal of duplicate SGSN address/number from IDP-GPRS	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	103	2	F	Comments on 'Introduction of GPRS reference in TCAP dialogue portion'	R99	3.4.1	CAMEL Phase 3	N2
NP-000458	29.078	104	1	F	Revised GPRS TCAP reference in TCAP dialogue portion	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	106	3	F	Location Number GPRS	R99	3.4.1	CAMEL Phase 3	N2
NP-000458	29.078	108		D	Move of processing rules for GPRS context.	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	109		F	Correction to GPRS CONTRACT	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	111	1	F	Replacing 'NetworkSpecificBoundSet' by CapSpecificBoundSet'	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	112	1	F	Renumbering of GPRS specific Error codes	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	113		F	Correction of CAMEL-SCBillingChargingCharacteristics	R99	3.4.0	CAMEL Phase 3	N2
NP-000458	29.078	114	1	F	Clarification on GPRS dialogue handling in case of TCAP error/abort	R99	3.4.1	CAMEL Phase 3	N2
NP-000458	29.078	115	1	F	GPRS location information in GPRSEventSpecificInformation	R99	3.4.1	CAMEL Phase 3	N2
NP-000458	29.078	116	1	F	Corrections on cause definitions	R99	3.4.1	CAMEL Phase 3	N2
NP-000558	29.120	001	1	F	Changes to support Authentication Failure Report for GLR	R99	3.0.0	GLR	N4
NP-000494	29.120	002		B	Changes to support secure transport MAP for GLR	rel-4	3.0.0	MAP Security	N4
NP-000519	29.198	001	1	F	Improvement of User Interaction STDs	R99	3.0.0	OSA	N5
NP-000519	29.198	003	2	F	Correction of numbering in TpResultInfo	R99	3.0.0	OSA	N5
NP-000519	29.198	004	1	F	Remove of E.164 Mobile and correction of numbering in TpAddressPlan	R99	3.0.0	OSA	N5
NP-000519	29.198	005		F	Common IDL interfaces for Generic Call Control and Generic User Interaction between 3GPP, ETSI, SPAN3 and Parlay	R99	3.0.0	OSA	N5
NP-000519	29.198	006		F	Correction to table with overview of IDL files	R99	3.0.0	OSA	N5
NP-000519	29.198	007		F	Reduction in name scoping in IDL for createUICall operation on IpUICall interface	R99	3.0.0	OSA	N5
NP-000519	29.198	008	2	F	Alignment of Framework with Parlay 2.1, improvement on business entity identification	R99	3.0.0	OSA	N5
NP-000519	29.198	009	2	F	Alignment of Framework with Parlay 2.1, correction of missing service token	R99	3.0.0	OSA	N5

Tdoc	Spec	CR	Rev	Cat	Subject	Phase	To Ver	Workitem	CN WG
NP-000519	29.198	010	2	F	Alignment of Framework with Parlay 2.1, parameter name and data-type alignments	R99	3.0.0	OSA	N5
NP-000519	29.198	011	1	F	Alignment of Framework with Parlay 2.1, one interface per application correction	R99	3.0.0	OSA	N5
NP-000519	29.198	012	1	F	Alignment of Framework with Parlay 2.1, only one error returned in load manager querv	R99	3.0.0	OSA	N5
NP-000519	29.198	013	1	F	Alignment of Framework with Parlay 2.1, missing operation fwUnavailableInd in IpAppFaultManager.	R99	3.0.0	OSA	N5
NP-000520	29.198	014	1	F	Alignment of Framework with Parlay 2.1, missing service properties parameter in getServiceManager() operation of	R99	3.0.0	OSA	N5
NP-000520	29.198	015	1	F	Alignment of Framework with Parlay 2.1 undefined datatype in endaccess operation of IpAccess.	R99	3.0.0	OSA	N5
NP-000520	29.198	016	1	F	Alignment of Framework with Parlay 2.1, service and interface naming correction.	R99	3.0.0	OSA	N5
NP-000520	29.198	017	1	F	Alignment of Framework with Parlay 2.1, renaming of TpPropertyStruct to TpServiceTypeProperty	R99	3.0.0	OSA	N5
NP-000520	29.198	018	1	F	Alignment of Framework with Parlay 2.1 addition of DES 128 bit authentication.	R99	3.0.0	OSA	N5
NP-000520	29.198	019	2	F	Alignment of Framework with Parlay 2.1, improvement of load statistic data-types.	R99	3.0.0	OSA	N5
NP-000520	29.198	020	1	F	Correction in descriptive text for Call STD regarding user interaction in 2 Parties in Call State	R99	3.0.0	OSA	N5
NP-000520	29.198	021		F	"Removal of double description of the type TpCallServiceCode".	R99	3.0.0	OSA	N5
NP-000520	29.198	022	1	F	"Removal of unused types TpUIMessageCriteria, TpEntOpID and TpEntOpIDList".	R99	3.0.0	OSA	N5
NP-000520	29.198	023		F	Alignment of Framework with Parlay 2.1, addition of setCallbackWithSessionID operation to IpService.	R99	3.0.0	OSA	N5
NP-000520	29.198	024		F	Clarification of life time of parameters in TpAuthDomain	R99	3.0.0	OSA	N5
NP-000521	29.998	001	2	F	Mapping of CallNotification interrupted CallNotification continue methods.	R99	3.0.0	OSA	N5
NP-000521	29.998	002		F	callEnded method mapping correction	R99	3.0.0	OSA	N5
NP-000521	29.998	003		f	Mapping of user Interaction Notification Interrupted and user Interaction Notification Continued methods	R99	3.0.0	OSA	N5
NP-000449	43.068	001		F	Uplink Release dataFlow correction	rel-4	4.0.0	ASCI	N1
NP-000449	43.068	002		F	Correction in the Notification procedure	rel-4	4.0.0	ASCI	N1
NP-000449	43.068	003		B	Identification of Group ID - The longest GID has to be matched	rel-4	4.0.0	ASCI	N1
NP-000449	43.069	001		F	Correction in the Notification procedure	rel-4	4.0.0	ASCI	N1
NP-000449	43.069	002	1	B	Identification of Group ID - The longest GID has to be matched	rel-4	4.0.0	ASCI	N1
NP-000449	44.068	001	1	C	The repetition of the priority in the Call Reference IE in the SETUP message	rel-4	4.0.0	ASCI	N1
NP-000449	44.069	001	1	C	The repetition of the priority in the Call Reference IE in the SETUP message	rel-4	4.0.0	ASCI	N1

## A.5 CRs Not Approved at TSG-N#9

Tdoc	Spec	CR	Cat	Subject	Phase	to Ver	Workitem	CN WG	Status
NP-000473	03.10	A012	F	32kbit/s UDI/RDI multimedia	R99	8.1.0	T.E.I	N3	revised
NP-000473	04.21	A019	F	32kbit/s UDI/RDI multimedia	R99	8.1.0	T.E.I	N3	revised
NP-000473	08.20	A008	F	32kbit/s UDI/RDI multimedia	R99	8.1.0	T.E.I	N3	revised
NP-000500	23.011	002	D	SDL refresh	R99	3.0.1	TEI	N4	revised
NP-000500	23.082	008	D	SDL refresh	R99	3.2.0	TEI	N4	revised
NP-000500	23.083	004	D	SDL refresh	R99	3.1.0	TEI	N4	revised
NP-000500	23.084	002	D	SDL refresh	R99	3.1.0	TEI	N4	revised
NP-000500	23.085	001	D	SDL refresh	R99	3.0.1	TEI	N4	revised
NP-000500	23.086	001	D	SDL refresh	R99	3.0.1	TEI	N4	revised
NP-000500	23.087	001	D	SDL refresh	R99	3.0.1	TEI	N4	revised
NP-000500	23.088	002	D	SDL refresh	R99	3.1.0	TEI	N4	revised
NP-000500	23.090	002	D	SDL refresh	R99	3.1.0	TEI	N4	revised
NP-000500	23.091	002	D	SDL refresh	R99	3.1.0	TEI	N4	revised
NP-000495	23.135	004	F	Correction to MT_Multicall SDL	R99	3.0.0	Multicall	N4	revised
NP-000500	29.002	185	D	Correction to MSC-A handover SDLs	R99	3.5.1	TEI	N4	revised
NP-000501	29.002	186	D	Correction to MSC-A handover SDLs	rel-4	4.0.1	TEI	N4	revised
NP-000486	29.120	001	B	Changes to support Authentication Failure Report for GLR	R99	3.0.0	GLR	N4	revised



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

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
2	NP-000410	AGENDA	Draft Agenda for CN_9	MCC	Nigel Berry of Lucent asks that all Future TSG-CN Agendas have the maintenance of earlier releases before development of future releases. This was agreed.	APPROVED
2	NP-000423	DOC ALLOC	Allocation of documents to the Agenda (08:00 day1)	Ian Park		NOTED
2	NP-000424	DOC ALLOC	Allocation of documents to the Agenda (CoB day1)	Ian Park		NOTED
2	NP-000425	DOC ALLOC	Allocation of documents to the Agenda (CoB day2)	Ian Park		NOTED
2	NP-000426	DOC ALLOC	Allocation of documents to the Agenda (CoB day3)	Ian Park		NOTED
2	NP-000534	DOC ALLOC	doc alloc at 12:30 on day 1	Ian Park		NOTED
3	NP-000531	IPR NOTICE	IPR Notice	CN Chair	Stephen asks for declarations of essential IPRs to be sent to the directors general of the respective standards organizations. Peter K asks whether companies really need to declare all their IPRs; Hannu responds that it's only the essential ones. Mikko asks for the IPR invitation to be issued as a Tdoc; it is in (531)	NOTED
4.1	NP-000422	REPORT	Draft Report from CN#8, (Düsseldorf)	MCC	Comment from Mikko that E-mail approval of documents cannot be made during summer holidays. DAB: The meeting report is not approved by e-mail and is open for comments up until the discussion in the following plenary meeting.	APPROVED
5.1	NP-000411	LS IN	Support of additional GRPS ciphering algos.	CN1	Only for Info to CN	NOTED
5.1	NP-000412	LS IN	Introduction of GEA2	CN1	Only for Info to CN	NOTED
5.1	NP-000413	LS IN	Answer to proposal of exchange of terms in GSM and UMTS	CN1	CN1 are Seeking Guidance on terminology for GSM - UMTS and to use A/Gb mode for GSM and lu Mode for UMTS. CN endorses the proposed change of terminology, and tasks CN1 to generate the editorial CRs for R99 (assuming the related CR to 23.060 is approved in SA).	NOTED
5.1	NP-000414	LS IN	GPRS Stage 2	CN1	LS from CN1 inviting SA2 to pass GPRS stage 2 in 23.060 to CN1. CN1 believe that SA2 is the appropriate group for GPRS stage 2 and support for it to continue its current role. However CN1 are willing to accept the specification from SA2 when it is ready in order to ease the workload. S2 has subsequently decided that the specification is not yet stable enough to be passed to CN1 and will keep hold of it until it that is the case	NOTED
5.1	NP-000415	LS IN	Bearer Independent CS Core network split	CN4	The LS is now out of date and the project plan has subsequently been updated to reflect the proposed changes. This topic was already handled by CN3 in a joint session with CN4, and the WID has been updated as a result of the decisions taken in this joint meeting. On a related topic Mikko questioned the procedure for maintaining the project plan and how the revisions are indicated. It was suggested that this document history information be shown in future versions of the project plan.	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
5.1	NP-000416	LS IN	Positive Authentication Reporting	CN4	Nigel Berry is concerned that there is presently no CN WID for Authentication reporting. Yun Chao agreed that the volume of work justifies the creation of a WID. However due to the lack of interest for this in CN, is proposed that S3 have the responsibility for this whilst CN4 continue to provide input to this work. Stephen also proposes that we should send an LS from CN to S3 to say that we require a distinct WI. Nigel Berry also wants a feasibility study to be done first, because of the impact on the volume of signaling. Ian Park points out that we'd have to get the feasibility report approved by Dec 2000 and that would leave only 3 months for the substantive work! There was no interest shown in doing the feasibility study, so Stephen suggests that we report back to S3 that they need to get the companies who are interested in the work in S3 to drive it. Suggestion that S3 could lead on the feasibility study and get help from CN4; Yun-Chao points out that S3 have already asked CN4 for an estimate of the impact. LS to S3 will ask for further definition and propose that they lead on the feasibility study, with offer of consultancy from CN4. (NP-533).	DISCUSSED
5.1	NP-000417	LS IN	Architectural Impacts of combined MAP signalling for MM	CN4	LS to S2 and copied to CN for info. Andrew Howell says that S2 have rejected it, but TSG-CN has no formal indication of this decision.	NOTED
5.1	NP-000420	LS IN	appointment of people to maintain liaison with IGC	CN4		NOTED
6.1	NP-000430	REPORT	TSG-CN WG 1 Status Report	CN1 Chair		REVISED to 0530
6.1	NP-000530	REPORT	TSG-CN WG 1 Status Report	CN1 Chair	CN agree to withdraw 24.064 and 24.065 and replace with the appropriate 40 series documents. CN recommend that all SIP protocol issues are handled in a single group (CN1) and within a single specification.	NOTED
6.1.1	NP-000431	REPORT	TSG-CN WG 1 Meeting Report #13	CN1		NOTED
6.1.1	NP-000432	LS PACK	LS pack from CN1	CN1		NOTED
6.1.1	NP-000433	F/BB/WT	R00 Feature/BB/WT input from CN1#13)- Upon version 000808	CN1	Note: These changes have been incorporated in the latest version of the project plan	NOTED
6.2	NP-000451	REPORT	Summary Report of the TSG-CN2 to TSG-N plenary	CN2 Chair	Plans to co-locate meetings for N 1 -CN4 for the first half of 2001 - Stephen put out a general request for hosts - hi-lighting the potentially large amounts of participants. Hannu agrees to CN2's suggestion to co-work on CAMEL Stage2 procedures. To be confirmed that October meeting hosting from BT. Mikko flags up the counter-advantage of not having collocated meetings that WGx can provide outputs, which can be considered for later discussion in Wgy. Stephen points out that the meetings are in any case synchronized it is only a case of location. The meeting agreed to attempt to co-locate the meetings at least for the 1st half of 2001.	NOTED
6.2.1	NP-000429	LIST	list of document and rapporteurs (in CN2)	CN2		NOTED
6.2.1	NP-000453	REPORT	TSG-CN WG 2 Meeting Report #13	CN2		NOTED
6.2.1	NP-000454	REPORT	TSG-CN WG 2 Meeting Report #12	CN2		NOTED
6.2.1	NP-000455	LS PACK	All LSs from TSG-CN WG 2 since TSG-CN#8	CN2		NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
6.3	NP-000460	REPORT	Status Report of TSG-CN3 to TSG-N plenary	CN3 Chair	CN3 meeting dates do not presently align with other CN groups - in order to allow the CN3 MCC expert to prepare outputs for the CN plenary, they need to allow >1 week gap between CN3 & CN plenary. It was suggested that CN3 synchronize with the CN1 CN2 CN4 co-located meetings in Jan and April in order to allow interaction between CN3 and other groups for CS multimedia Also the WID for IWF to Cn border has no supporting companies and rapporteur - TSG-CN cannot approved it in this state. Hannu: Questions the CN3 CRs to HSCSD. Norbert replied that the CN1 should check the CR for possible implications on their specifications.	NOTED
6.3.1	NP-000461	REPORT	Report for CN3#11 Oslo Meeting	MCC		NOTED
6.3.1	NP-000462	REPORT	Draft Report for CN3#12 (Seattle)	MCC		NOTED
6.3.1	NP-000463	LS PACK	Package of ALL LSs from CN3	MCC		NOTED
6.4	NP-000480	REPORT	Status report from CN4	CN4	withdrawn before presentation	REPLACED
6.4	NP-000517	REPORT	3GPP CN WG4 Status Report	TrFO conveyor		WITHDRAWN
6.4	NP-000583	REPORT	Status report from CN4	CN4	Lengthy discussion on R97-98 freeze and mis-use of the EDITORIAL CAT. Agreed that there will be no further functional modifications for R97/R98 and R99. However the use of the EDITORIAL CAT is to be used with great care. We need to look at each CR to decide whether it's really editorial (i.e. zero impact on implementations) or whether there is a possible impact (e.g. by removing an ambiguity). Suggestion to provide a new sub-CAT to the C CATs [i.e. For clarification]. John Meredith proposes that we should deal with this by way of a CR to TR 21.900, which defines CR categories for submission to SA plenary. We should also clarify that editorial CRs to R99 will be allowed only if they do not by themselves provoke a version increase in the specification. There are 2 separate CRs to 21.900 [in 526 & 527]. CN will mention to SA plenary that CN4 can provide input to the S2 Workitem "Bearer independent PS Core network". On the issue of who should do the work on H.248 packaging (3GPP or ITU-T SG16). It can be noted that there is more expertise on H.248 within ITU-T than there is presently within 3GPP. However there is a timing issue within ITU-T. 3GPP will advance the work on mobile specific packages and inform the ITU-T of work in this area. 3GPP shall inform ITU-T of this decision. Agreed that we should do the H.248 development within 3GPP. Ian Park proposed that we should provide the information to ITU-T that we're going to do the development ourselves; Yun-Chao will draft the input to ITU-T. This liaison will be agreed by CN and presented to ITU-T by an individual member company. Companies are encouraged to send their H.248 experts to the CN meetings.	NOTED
6.4.1	NP-000502	LS PACK	All LSs sent by CN4	CN4		NOTED
6.4.1	NP-000510	REPORT	CN4#03 Meeting Report, Helsinki	MCC		NOTED
6.4.1	NP-000511	REPORT	CN4#03 Meeting Report, Seattle	MCC		NOTED
6.4.1	NP-000512	CALENDAR	Meeting Schedule 2001 for CN2 / CN4	CN4		NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
6.5	NP-000477	REPORT	TSG-CN WG 5 Summary Report	CN5	Ian Doig: questioned the possible delays for the delivery of SPAN3 specifications - Chelo assured CN that as there are joint meetings with SPAN3, timescales and are not considered a problem. Mikko: Suggest all Parlay working groups be open to working with 3GPP.	NOTED
6.5.1	NP-000478	REPORT	TSG-CN WG 5 Meeting Report #5	CN5		NOTED
6.5.1	NP-000479	REPORT	TSG-CN WG 5 Meeting Report #4	CN5		NOTED
6.5.1	NP-000518	LS PACK	All LSs from TSG-CN WG 5 since TSG-CN#8	CN5		NOTED
6.7.1	NP-000505	REPORT	Seattle TrFO Workshop Results	CN4		WITHDRAWN
6.7.1	NP-000516	REPORT	TrFO Workshop Status Report	TrFO convener	TrFO Workshop should not be considered an integral part of CN4 Comments to 2.1 - CN endorses the TrFO agreement on the Core network framing protocol. Comments to 2.2 - CN endorses the TrFO agreement on CS Data services IWF - CN3 will produce a WID for the feasibility study on this. It has been agreed within workshop that TrFO cannot be a part of R99 - However the TrFO for R00 does include enhancements to the R99 architecture. TAKAMURA -San would like to see the realization of TrFO without the separation of control and bearer. Comments to 3.1 - TSG-CN and TSG-RAN should provide input to SA on RFCI info at TrFO break. TSG-SA will take the final decision on this. The 'Always monitoring' scenario exists, but a number of companies within TrFO suggest this is not the best solution and seek alternatives. Norbert commented that Siemens request a single solution and this can be done at the next TrFO workshop where more RAN expertise will be present. CN input to SA - if no decision is taken there is danger that TrFO will not be ready by March 2001 - Also input from R3 is critical for this work	NOTED
6.7.2	NP-000504	REPORT	Revised Meeting Report of the TrFO&TFO Harmonization Workshop#2	CN4		NOTED
6.7.2	NP-000515	REPORT	TrFO#03 Meeting Report	MCC		NOTED
7.14.1	NP-000448	CRs	CRs for WI "TrFO "R00, N1-001005	CN1		APPROVED
7.14.4	NP-000507	WID	WI Description: Out of band Transcoder Control	CN4	Mikko: why brackets on Radio Access work Area - It was agreed in the CN4 Seattle meeting that there will be radio access impacts so these brackets should be removed. Hannu: selected codecs needs to be identified for this WI as well as wideband AMR and TrFO and CN1 proposes a single mechanism for indication of transcoder types. This WID should incorporate the terminology already used within CN1 (transcoder to replace codecs).	REVISED to 0529
7.14.4	NP-000529	WID	WI Description: Out of band Transcoder Control	CN4		APPROVED
7.16	NP-000588	LS IN	Location Services Functionality in 3GPP Specifications	GSM NA	No Action required from TSG-CN, as the main discussion will probably take place in TSG-SA. However this gives early warning to CN on the eventual work should this be agreed by SA.	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
7.17	NP-000587	LS IN	All IP Network End-to-End Delay QoS Feasibility Study	GSM NA	Already Discussed at the R00 planning meeting in Helsinki. Mannesman presented a paper on End to End QoS. American carriers support that 3GPP conduct an All IP Network End-to-End Delay QoS Feasibility Study. CN Support this, although the leadership will most probably come from within SA.	NOTED
7.18.4	NP-000485	CRs	CRs to R00 Work Item Core Network Security	CN4		APPROVED
7.18.4	NP-000494	CRs	CRs to R00 Work Item MAP Security	CN4		APPROVED
7.19.1	NP-000449	CRs	CRs for WI "ASCI - R00"	CN1		APPROVED
7.19.4	NP-000501	CRs	CRs to R00 Work Item Technical Enhancements and Improvements (TEI)	CN4	Includes reflections of R99 CRs. Ian Park commented that N4-000573 is not the correct CN4 number Missing 23.018 23.135 CRs should be in this pack but are missing. CR to 23.018 is D not C. Type error on Cover. Mikko hi-lighted the CR to a TR 10.02 v6 specification - Ian clarified that this will result in the creation of 3G TR 30.902 v4. Mikko suggested that the spec be transferred first and the CR made to the new TR. I.e. A two step process. Also the CR should be applied to all releases to provide a complete specification set - Ian clarified that this is not required as it is only a TR. It was agreed to split the document into the R99 mirror CRs and the real R00 CRs - also adding the missing R00 CR.	SPLIT to 0544
7.19.4	NP-000509	WID	WI Description 'Optimization of Signalling: Combined MAP Signalling for mobility management'	CN4	Alan of Motorola informed the meeting that S2 have deleted the requirement for the combined MSC/VLR/SGSN, so there would be no point in going ahead with the development of network protocols to handle the combined node. CN questions the need to proceed with this WI to develop protocols serving this node if it will not exist. Nakamura-san puts the case for going ahead with the signalling reduction without a change to the architecture. Nakamura-san puts forward the argument that not only Japanese operators but also other operators should be concerned to reduce signalling load for combined operation. Stephen points out that the WI as it stands has the integrated serving node as a key part of it, and S2 have rejected the ISN as a concept, so the WI can't be approved. He asks NTT DoCoMo to bring the issue of signalling reduction back to CN4, based on the assumption that there will be no ISN. Nakamura-san asks for support in CN4; Lucy Lombardi agrees to offer her assistance. The WID is rejected and a new one must be produced if an alternative solution is found	REJECTED
7.19.4	NP-000545	CRs	CRs to R00 Work Item Technical Enhancements and Improvements (TEI)	CN4	Contains the real R2000 CRs from 501, plus CR 23.083-005r1. Summary sheet should show CR 23.018-055r4 as cat D although the CR cover is OK. Note: 29.902 will be the 3G version of 10.02	APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
7.2	NP-000427	DISCUSSION DOC	Timescales for proposed R00 work item "SIP Call Control protocol - comments to NP-000434 over Gm reference point (CSCF - UE)"	Lucent	<p>Calls for overall completion of SIP call control in December in 2001.</p> <p>Peter K supports the proposed timescales.</p> <p>Andrew Allen, Motorola thinks that the Stage 2 timescales are pessimistic.</p> <p>Mikko asks if the document that would be approved in Dec 2001 be 'stable', not requiring many CRs after approval.</p> <p>Ian Park questions bringing the spec under change control un Sept 2001. Suggests the spec becomes v5.0.0 in Dec 2001.</p> <p>Nakamura-san asks for a more detailed time plan in section 10 of the WID to allow better monitoring of progress, but Stephen points out that the "presented for information only" and "presented for approval" entries in the spec table show this. Drafting group produced the revised WID in [NP-535]</p>	NOTED
7.2	NP-000523	DISCUSSION DOC	3GPP Work Plan - for the IP Multi-media Subsystem	Lucent, BT, Nortel		NOTED
7.2	NP-000584	WID	SIP WI: SIP definition work split between SA2 and CN1	Lucent		WTIHDRAWN
7.2	NP-000589	DISCUSSION DOC	Additional guidelines for the CN1 SIP work item	Nortel	<p>Proposes some modifications to the WID for SIP Call Control protocol over Gm reference point (CSCF – UE). Lucent oppose the constraint that CN1 have to seek approval from S2 before they extend the protocol; Samsung also oppose, because it would extend the timescale.</p> <p>Jeremy requests that any mobile specific divergence to SIP be publicized to the IETF as soon as possible.</p> <p>Hannu voices concern about the use of the term "profile", but accepts the spirit of the requirement to be careful about extending SIP without careful consideration.</p> <p>Proposal for S2 endorsement was not agreed by CN.</p> <p>CN agrees that UMTS extensions to SIP are to be avoided as much as possible.</p> <p>Jeremy asked how UMTS evolution will liaised to the IETF - Ian Park reminded the meeting that a liaison to the IETF process was agreed at TSG-SA#8.</p> <p>Jeremy and Nigel modified the WID to reflect this.</p>	DISCUSSED
7.2.1	NP-000434	WID	WI description for R00 - "SIP-CC over Gm interface", N1-000856	CN1	<p>Incorporates the changes made at the last CN1 meeting, and has been approved by CN1.</p> <p>Several other contributions relate to this document.</p> <p>Hannu mentioned that the SIP workshop (Oct 2000) is missing from the time schedule.</p> <p>Also there is no end date shown for the work.</p> <p>These omissions are corrected in the revised doc.[NP-0535]</p>	REVISED to 0535
7.2.3	NP-000465	WID	Revised proposed work item description for interworking between IM CN subsystem and circuit switched networks	CN3	<p>Randolph of SBC: Missing service requirements - Those specified in 22.105 need to be met. This is discussed in an LS (NP-585) on QoS from GSM NA.</p> <p>Norbert clarified that CN3 have not yet identified any NEW requirements.</p> <p>Nigel, Lucent: suggests that the additional CN3 WI End to End QoS will probably cover the work.</p> <p>Nick, Orange: suggest re-using the work already done in S1/S2.</p>	APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
7.2.3	NP-000466	WID	Revised proposed work item description for interworking between IM CN subsystem and IP networks	CN3	The WID was presented with only 3 supporting companies. Lucent proposed to support the WI hence giving the necessary 4 companies. Hannu questioned the QoS mapping to existing parameters/procedures hence involving CN1. Norbert replied that this is not known, but he expects that CN1 will have some involvement and there may be some impact on mobile equipment. Andrew Allen, Motorola: Possible conflict with S2 work in this area. If CN1 are responsible for SIP across interfaces they will also have the responsibility for the Mm interface. Norbert stated that the WID was created under the understanding that CN3 had responsibility for the work. The WID may require to be modified depending on the work split within CN. Norbert suggested the text should clarify this. Mikko mentioned that there are charging and security aspects, as well as impacts on the ME. Mikko suggested that we use the work already done within S2 before starting new work within CN3. Norbert responded that CN3 were tasked to do the WI by S2 (project plan). Agreed that gateway to translate SIP to H.323 will be required and an investigation is required. Decided to refer the WID back to CN3 for further work to be presented at CN#10. It will incorporate the eventual modifications on work split, and also to raise it from a WT to BB in the project plan and WID.	POSTPONED to CN#10
7.3.1	NP-000447	CRs	CRs for WI " CS based Emergency call Enhancement", R00-Cat B, N1-001046	CN1		APPROVED
7.4.4	NP-000508	WID	WI Description: Bearer Independent Circuit-Switched Core Network	CN4	Mikko: Question to potential Security aspects when we separate signalling and user data, how is the user data protected? This needs to be discussed with SA3. Ilan Park - does the split introduce a new protocol and over what bearer (IP/SS7) will it run? The WID will be modified to reflect the security aspects on the various interfaces. Norbert - timescale concerns for approval of CRs to 29.007 at TSG#10 - should be delayed to #11 as this is dependant on Stage 2 work. Ilan Park: Rapporteurs for the new specifications resulting from this WID should be identified - Vodafone has proposed Ilan Park to do this. Added to the revised document.	REVISED to 0538
7.4.4	NP-000538	WID	WI Description: Bearer Independent Circuit-Switched Core Network	CN4		APPROVED
7.6.3	NP-000467	WID	IWF at the Edge	CN3	Although the WID has been approved within CN3 there are No Rapporteurs and no supporting companies. The WID is referred back to CN3 for further study	POSTPONED
7.7.3	NP-000475	CRs	CRs to R00 W.I Facsimile part 1	CN3		APPROVED
7.7.3	NP-000476	CRs	CRs to R00 W.I Facsimile part 2	CN3		APPROVED
8.1.4	NP-000482	CRs	CRs to R97 and R98 Work Item CAMEL Phase 2	CN4		APPROVED
8.13.1	NP-000437	CRs	Support of GPRS Ciphering algorithm GEA2 before R99CRs in N1-001028 and N1-001029	CN1	Similar CRs were rejected at CN#8, but the decision was overruled as SA#9. These CRs are refined versions the effect only the Mobiles and follow the decision made by SA.	APPROVED
8.13.1	NP-000441	CRs	CRs for WI 'GPRS'. Correction CRs R99	CN1		APPROVED
8.13.4	NP-000487	CRs	CRs to R97, R98 and R99 Work Item GPRS	CN4		REVISED to 0582

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.13.4	NP-000536	CR	CRs to R97, R98 and R99 Work Item GPRS	CN4	Includes the missing CR files and also corrects an errors in the CATs shown in the accompanying table (only).	APPROVED
8.13.4	NP-000582	CR	CRs to R97, R98 and R99 Work Item GPRS	CN4	Document is missing the CRs from the zip file.	REVISED to 0536
8.14.4	NP-000489	CRs	CRs to R99 Work Item GTP enhancements	CN4		APPROVED
8.15.4	NP-000491	CRs	CRs to R00 Work Item Handover	CN4		APPROVED
8.16.1	NP-000436	CRs	Removal of "Service Accept" message Approval of CR in N1-001001 and info N1-001031	CN1	Conditionally in TSG-CN approved assuming the linked S2 CR to 23.060 is approved in TSG-SA. Stephen hi-lighted this to the SA Plenary. [The linked CR 23.060 was subsequently Approved in SA].	APPROVED
8.16.1	NP-000438	CRs	Octet Stream Protocol for Internet Hosted Octet Stream Service CRs in N1-000928, N1-000929	CN1		APPROVED
8.16.1	NP-000443	CRs	CRs for WI 'GSM / UMTS Interworking', Correction CRs R99	CN1		APPROVED
8.16.4	NP-000488	CRs	CRs to R99 Work Item GSM-UMTS Interworking	CN4		APPROVED
8.17.4	NP-000492	CRs	CRs to R98 and R99 Work Item Location Services (LCS)	CN4	Randolf - Requested clarification on the value of 67% confidence level was chosen, as there is a large diversity of QoS parameters that need to be met. This CR links QoS with distance and confidence value. Yun-Chao mentioned that 67% was chosen as it was expected that it met the minimum FCC requirements. Randolf thinks that the absolute value of 67% may be restricting and it need to be further studied. Randolf suggested the CR be agreed, but that a further study be carried out for at least R00. Ian Park. Suggested that QoS could merit its own WID. Stephen proposed hi-lighting the requirement for investigation to the SA plenary	APPROVED
8.17.4	NP-000493	CRs	CRs to R00 Work Item Location Services (LCS)	CN4		APPROVED
8.19.4	NP-000495	CRs	CRs to R99 Work Item Multicall	CN4	23.145 CR004 should be CAT F	REVISED to 0559
8.19.4	NP-000559	CRs	CRs to R99 Work Item Multicall	CN4		APPROVED
8.2.2	NP-000456	CRs	CRs for WI 'CAMEL phase 3-corrections to 23.078	CN2		APPROVED
8.2.2	NP-000457	CRs	CRs for WI 'CAMEL phase 3-corrections to 23.078 cont.	CN2		APPROVED
8.2.2	NP-000458	CRs	CRs for WI 'CAMEL phase 3-corrections to 29.078	CN2		APPROVED
8.2.2	NP-000459	CRs	CRs for WI 'CAMEL phase 3-CRs on Network Requested PDP context	CN2		APPROVED
8.2.2	NP-000581	CR	CR 23.078 V 220	Siemens	Has not been agreed within CN2 as it was produced late. However it has been on the CN2 e-mail for comments. Although this is NOT the correct process, due to timescale restrictions it is considered desirable to approve the CR now as opposed to delaying it until December. However this is an exception to the usual working procedures.	APPROVED
8.2.4	NP-000483	CRs	CRs to R99 Work Item CAMEL Phase 3	CN4		APPROVED



Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.2.4	NP-000484	CRs	CRs to R00 Work Item CAMEL Phase 3	CN4	Header document should read R00 CRs to Work Item Camel Phase 3 (in fact R98) Mikko: Would be good to have all of the related documents in a single NP. zip file. CN Endorse the decision that corrective CRs and their related mirror CRs be bundled in the same NP document in future Plenaries.	APPROVED
8.23.1	NP-000446	CRs	CRs for WI "Ms Classmark", Correction CRs R99	CN1		APPROVED
8.23.4	NP-000496	CRs	CRs to R99 Work Item Prepaging	CN4		APPROVED
8.23.4	NP-000558	CRs	CRs to R99 Work Item Gateway Location Register (GLR)	CN4		APPROVED
8.23.5	NP-000519	CRs	CRs for WI OSA- corrections to 29.198	CN5		APPROVED
8.23.5	NP-000520	CRs	CRs for WI OSA- corrections to 29.198 cont.	CN5		APPROVED
8.23.5	NP-000521	CRs	CRs for WI OSA- corrections to 29.998	CN5		APPROVED
8.3.1	NP-000445	CRs	CRs for WI "Security", Correction CRs R99	CN1		APPROVED
8.3.4	NP-000497	CRs	CRs to R99 Work Item Security	CN4	Error on the cover sheet CR to 29.002 is to v3.2.0 not 3.0.0	APPROVED
8.3.4	NP-000498	CRs	CRs to R00 Work Item Security	CN4	Mirrored CRs for R99 - so moved to R99 agenda item	APPROVED
8.4.1	NP-000439	CRs	CRs for WI 'GPRS'. Correction CRs for GSM Maintenance.	CN1		APPROVED
8.4.1	NP-000440	CRs	CRs for WI 'TEI'. Correction CRs for GSM Maintenance	CN1		APPROVED
8.6.3	NP-000468	CRs	CRs to R99 W.I T.E.I (CS bearers) part 1	CN3	Norbert - Clarification: Although this is a R99 WI, we must provide changes to the v4.0.0 that will be produced if the other CRs that are presented to TSG#9 are approved. This prevents delaying them to TSG#10. Ilan D and Mikko questioned the process used to create the v4.0.0 specifications. Ilan Park. Suggested produce 29.007 v3.6.0 from 3.5.0 with R99 CRs and base the v4.0.0 from v3.6.0 by implementing the R00 CRs. It was agreed to APPROVE the R00 CRs as long as the order of CR implementation is well minuted in this report. Hence see below. NOTE 1: The process for generating the different versions of the specifications will be as follows: STEP 1: use the latest version of (example 29.007 v3.5.0) to implement the CRs common to both R99 and R00 to create one intermediate version (not released). STEP 2: implement the R00 CRs to this intermediate version to create v4.0.0 STEP3: implement the R99 CRs to this intermediate version to create v3.6.0	APPROVED
8.6.3	NP-000469	CRs	CRs to R99 W.I T.E.I (CS bearers) part 2	CN3	Withdrawn	REPLACED by 0540
8.6.3	NP-000470	CRs	CRs to R99 W.I T.E.I (CS bearers) part 3	CN3	Error in CR header sheet - the 27.001CR041 is infact to 27.002 - cover and CR number incorrect - Should be 27.002CR007. This is corrected in the revised document.	REVISED to 0552
8.6.3	NP-000471	CRs	CRs to R99 W.I T.E.I (CS bearers) part 4	CN3	Withdrawn	REPLACED by 0543
8.6.3	NP-000472	CRs	CRs to R99 W.I T.E.I (GPRS)	CN3		APPROVED
8.6.3	NP-000473	CRs	CRs to R99 W.I T.E.I (UDI/RDI Multimedia)	CN3	Withdrawn	REPLACED by 0541

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
8.6.3	NP-000474	CRs	CRs to R99 W.I T.E.I (3.1kHz multimedia)	CN3	Withdrawn	REPLACED by 0542
8.6.3	NP-000540	CRs	CRs to R99 W.I T.E.I (CS bearers) part 2	CN3	Hannu has checked these CRs, and no equivalent CN1 CRs are required	APPROVED
8.6.3	NP-000541	CRs	CRs to R99 W.I T.E.I (UDI/RDI Multimedia)	CN3	Intention is that these CRs produce UMTS versions of 03.10 04.21 08.20 Some linked CRs have been approved within GERAN and CN1. Andrew Allen, Motorola - For the R00 CR the linked CRs are made the 0x.xx series as opposed to the 4x.0xx series. CRs required for 43.010 44.021 48.020. A note will be added to the R00 CR cover sheets to allow for linked CRs to the R00 GSM specs or to the R00 UMTS equivalents.	REVISED to 0551
8.6.3	NP-000542	CRs	CRs to R99 W.I T.E.I (3.1kHz multimedia)	CN3		APPROVED
8.6.3	NP-000543	CRs	CRs to R99 W.I T.E.I (CS bearers) part 4	CN3	Current version of 27.001 is v4.0.0 not v3.1.0 as shown in the table.	APPROVED
8.6.3	NP-000551	CRs	CRs to R99 W.I T.E.I (UDI/RDI Multimedia)	CN3		APPROVED
8.6.3	NP-000552	CRs	CRs to R99 W.I T.E.I (CS bearers) part 3	CN3		APPROVED
8.6.4	NP-000499	CRs	Corrective CRs to R99 Work Item TEI	CN4		APPROVED
8.6.4	NP-000500	CRs	Editorial CRs to R99 Work Item TEI	CN4	WITHDRAWN	REPLACED by 0546
8.6.4	NP-000544	CRs	CRs to R99 Work Item TEI	CN4	CR 186 to 29.002 the reason for change is confusing as it suggests that this Editorial is MORE than just editorial. The CR replaces certain signals in the SDL diagrams and hence is not CAT D. CRs to 29.002 [180 and 186] are changed to CAT A	REVISED to 0557
8.6.4	NP-000546	CRs	Editorial CRs to R99 Work Item TEI	CN4	WITHDRAWN	REPLACED by 0550
8.6.4	NP-000550	CRs	Editorial CRs to R99 Work Item TEI	CN4	The CRs for SDL corrections are Editorial CRs to specifications that have no other CRs made to them in this plenary. Yun Chao stated the CRs only correct presentation problems for viewing the document in word and not printing. Although it corrects a viewing problem the change was considered by CN4 as a pure Editorial. Mikko mentioned that he cannot read the CRs in PDF format. Edgar and Hannu suggested approving the CRs as corrections and not Editorials. Ian Park suggested they are non-critical corrections with active support from all the participants and hence class them as CAT F. In revised document all CR cats are changed to CAT F, and MCC will ensure the CRs are readable in both PDF and .doc format. Also the CR rev number will be increased due to this change. JMM - mentioned the SDLs that is included in the CRs are the ones that will be placed to the 3GPP.	REVISED to 0556
8.6.4	NP-000556	CRs	Editorial CRs to R99 Work Item TEI	CN4		APPROVED
8.6.4	NP-000557	CRs	CRs to R99 Work Item TEI	CN4		APPROVED
8.7.1	NP-000442	CRs	CRs for WI 'CS Multimedia', Correction CRs R99	CN1	Alignment to changes already made within CN3 that have already been approved in this meeting.	APPROVED
8.8.1	NP-000444	CRs	CRs for WI "OoBTC", Correction CRs R99	CN1		APPROVED
8.9.1	NP-000450	CRs	CRs for WI "ASCI - R99"	CN1	Note: The corresponding R99 CRs were approved at TSG#8	APPROVED
8.9.4	NP-000481	CRs	CRs to R99 Work Item ASCI	CN4		APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
9	NP-000421	CANDIDATURE	Candidate vice-chairman, TSG-CN, Nakamura Hiroshi	NTT DoCoMo	Nakamura Hiroshi was elected as the new CN Vice Chair unanimously.	APPROVED
10.1	NP-000428	DISCUSSION DOC	Allocation of IM work to CN WGs	CN Chairman	Nigel Berry suggested moving the SDP from CN3 to CN1, where most of the SIP expertise will be concentrated in the future. Stephen wishes to avoid the assignment of work according to the interfaces, as we do at the moment. Norbert is concerned that CN3 may run out of things to do. Yun-Chao asks for clarification that CN4 will also look after the protocol for SDM between HSS and CSCF. These changes were captured in the revised document [NP-0553]	REVISED to 0553
10.1	NP-000553	DISCUSSION DOC	Allocation of IM work to CN WGs	CN Chairman	Endorsed as the CN position for IM Work split. Will be revisited at TSG-CN#10.	ENDORSED
10.2.1	NP-000525	ToR	Revised TSG-CN ToR	Ian Park	Mikko suggested removal of 'transport evolution' from the CN ToR until we know which CN WG are working on this. This was agreed. Niels proposes to change "IP domain applications" to "IP based applications" This was agreed.	REVISED to 0570
10.2.1	NP-000570	ToR	Revised TSG-CN ToR	Ian Park		APPROVED
10.2.2	NP-000435	ToR	TSGCN1 ToR [N1-000852]	CN1	Edgar mentioned the inconsistencies to work group naming. CN Plenary endorsed the terminology TSG-CN WGx = CNx for all of its working groups. Also the cooperation with CN3 is missing from the CN1 ToR. Yun Chao mentioned that the old CN2 in the ToR is now infact CN4. Also addition of SDP work item that was agreed to be moved from CN4. These modifications are made in the revised document [NP-0571]	REVISED to 0571
10.2.2	NP-000571	ToR	TSGCN1 ToR [N1-000852]	CN1		APPROVED
10.2.3	NP-000452	ToR	Terms of Reference for CN2	CN2	Revised to change Nx into CNx throughout the document	REVISED to 0572
10.2.3	NP-000464	ToR	CN3 Terms of Reference	CN3	Alignment to change Nx into CNx throughout the document. The ToR is missing the QoS Work Item. It is agreed that CN3 add this later. Also the correct CN4 title is MAP/GTP/BCH/SS - this is corrected In the revision. Also replace IM domain with IM core network subsystem.	REVISED to 0573
10.2.3	NP-000572	ToR	Terms of Reference for CN2	CN2		APPROVED
10.2.4	NP-000573	ToR	CN3 Terms of Reference	CN3	Revision of 464. Approved without further presentation, but recommendation that CN3 review ToR further to consider adding the QoS protocol work.	APPROVED
10.2.5	NP-000503	DISCUSSION DOC	CN and IP MM Protocols	CN4		NOTED
10.2.5	NP-000506	ToR	Proposed Terms of Reference for CN4	CN4	Andrew: Call control within the core network - requires some wording to avoid conflict with CN1. Modified to "Circuit switched call control" Requires alignment with the agreed WG terminology i.e. CN4. Remove the last sentence (containing the e.g. IETF/ITU-T). Subscriber data management is specific to CN4 and does not include the SA5. Addition of Stage 3 (between Core network entities) Clarify the work on GPRS tunneling protocol.	REVISED to 0574
10.2.5	NP-000574	ToR	Proposed Terms of Reference for CN4	CN4	Approved without presentation. Mikko asks for all documents, which are approved without presentation to be sent to the CN email list. There was little support for this.	APPROVED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
11	NP-000524	LIST	specifications status list	MCC	Propose change ownership of 24.012 from CN4 to GERAN. This move was endorsed. Stephen will e-mail the GERAN convener informing them of the transfer. GERAN will then convert this to 04.12. The list is Referred to WGs for review.	NOTED
12.1	NP-000513	DISCUSSION DOC	Estimates on CN schedule expectations for major items	CN4	OVERTAKEN BY NP-000566	NOTED
12.1	NP-000514	P-PLAN	Comments to Project Plan	CN4	Based on the original WORD version of the Project Plan - at this time the MS work document had not been reviewed by CN4.	NOTED
12.1	NP-000561	P-PLAN	Latest Version (0914) of the 3GPP project plan.	MCC	<p>Mikko:- TSG and WG approval columns seems to be out of date- how is this being reviewed? Alain: - these columns were agreed by the ICGs and reflects the status of WIs within the TSG and the corresponding WGs.</p> <p>Nigel ask why dependencies cannot be used in Project - Alain explained that this has been avoided in MS project presentation to give the best clarity.</p> <p>Peter K - what is the status of the ICGs? Alain explained that the ICGs are actively working on the project plan with the assistance of MCC.</p> <p>Hannu explained that within CN1, they ask WI rapporteurs to provide a status check at each meeting. These comments are then fed back to the MCC who update the P-Plan. Alain added that MCC should also provide P-Plan info to the WG chairs before meetings in order to a sanity check on their WIs. This will help in the generation of the meeting agenda and assist in the running of the work. CN endorses all CN WGs allocating the necessary time to analysis of the P-Plan</p> <p>Stephen mentioned that the P-Plan needs to be updated following the outcome of CN#9 meeting and forwarded to SA#9 next week.</p> <p>Alain clarified that new WIs can be captured in the P-Plan at an early stage</p> <p>Keijo: CAMEL Phase 5 is not required, and there should only be a CAMEL Phase 4 with a probable completion for R4. Alain: If this is the opinion of CN the Phase 4 and 5 WIs can be merged only to CAMEL Ph4.</p> <p>Mikko: Rel-4 is used in P-Plan but this terminology has not yet been endorsed by SA. However, if and when it is adopted it would be good to include it in the P-Plan. This can be done following endorsement from SA.</p> <p>Mikko, Ian Doig and Hannu requested a written history either directly in the document, or as an attachment. Alain replied that this already exists as an attachment but it can be further developed.</p> <p>Hannu asks for the history record to be cumulative, so that someone who misses an issue can catch up when (s)he looks at a later issue. Hannu also proposes a method to document the history – put in a task, which is history tracking, and add the explanation as a note to this task.</p> <p>Stephen suggested that a DRAFTING GROUP look at a proposal for improvement to the procedure. [NP-562]</p> <p>Yun-Chao stresses the importance of the WGs having a good channel of communication to the IGC people to make sure their input is properly reflected. Steve Mecrow wants each WG to treat the updating of the work plan according to progress on the work task as part of the handling of the work task. Nigel is concerned that there are several parts of the work plan which are inaccurate, and SA should not rely on inaccurate data to reach decisions on the content of R4 &amp; R5.</p>	DISCUSSED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
12.1	NP-000562	P-PLAN	CN1 Modifications to the project plan	Drafting group	Proposes the CN1 modifications to the latest version of the Project plan, and a procedure for tracking changes and providing some HISTORY aspects to the P-PLAN:- Introduces the VERSION HISTORY Project task that contains the changes made to the document. CN Plenary endorsed this as a viable procedure for updating the P-Plan and ask MCC to develop a suitable process and document it. Mikko suggested a more formal process will be required when the document becomes stable. Comments to the CN1 changes:- Hannu has removed Stage 3 for Basic Calls - Niels clarified that this is infact a milestone (not a task), included as a part of the work task "SIP over Gm reference point (CSCF – UE)". Nigel suggested that the timescales for the delivery of this milestone need to be examined within CN1. "Splitable" field has been added to indicate whether a feature must be completed in one release or it can be implemented in steps in different releases- Hannu's CN1 comments:- Task 66 added with the dates given by the rapporteur- Milestone 67 accidentally removed but reinstated- Task 68 note clarified and dates changed- Number portability task 106 does not start 1.1.01! What is the goal for CN1 -> nothing, the task was moved to CN4. Emergency call tasks 110 and 113 can not happen before the basic MM call, so the timing must be the same as with tasks 66-68- 116 has been done in CN1, we just agreed the CR in NP-000447-Task 277: CN1 will do supported codecs, BC negotiation and DL indication of selectec codec as part of TrFO and OoBTC. What else is	REVISED to 0563
12.1	NP-000563	P-PLAN	CN1 Modifications to the project plan	Drafting group	These modification will be forwarded to Alain for incorporation to the Project plan	APPROVED
12.1	NP-000564	P-PLAN	CN2 comments to p-plan	CN2 Chair	These modification will be forwarded to Alain for incorporation to the Project plan	APPROVED
12.1	NP-000565	P-PLAN	CN3 comments to p-plan	CN3 Chair	These modification will be forwarded to Alain for incorporation to the Project plan	APPROVED
12.1	NP-000566	P-PLAN	CN4 comments to p-plan	CN4 Chair	Mikko is unhappy about whether the CN4 comments in 514 are accurately reflected in:-the updates to the project plan by MCC/IGC;- Eventually agreed on the changes proposed in here, with the addition of a line for CN2 work near line 80 for the interworking between CAMEL and CSCF. Mikko wants to remove explicit indication of joint responsibility between CN4 & SA2 in line 22.	REVISED to 0575
12.1	NP-000567	P-PLAN	Mikko comments to p-plan [NP-00561]	NOKIA	Most of the changes have been incorporated in the revised documents from CN1, CN2, CN3 & CN4. Row 101 [Stage 2 review] is planned to last one year - Suggests deleting this. - This was agreed Mikko suggests that row 15 should be the responsibility to be CN rather than CN4. However Yun-Chao points out that we've already agreed to delete rows 16 & 17, which are the only dependents of row 15, so row 15 would disappear.	NOTED
12.1	NP-000575	P-PLAN	CN4 comments to p-plan		These modification will be forwarded to Alain for incorporation to the Project plan	APPROVED
12.1	NP-000585	DISCUSSION DOC	3GPP Work Planning for IM Subsystem	AHR00 Workplan	Covered by the agreement in 555	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
12.2	NP-000522	DISCUSSION DOC	IP Multimedia Subsystem Work Planning	Lucent	The document proposes to make IP multimedia a purely R5 item, but also proposes to give R4 & R5 equal priority in WGs When time planning within working group meetings, if there are time restrictions R4 work must take priority of R5 contributions. However this is up to the WG chair to organize the meetings. However there is no Plenary directive on this. . Hannu points out that if we leave it to individual WGs to decide their priorities there could be different priorities between different WGs, and we might finish up with nothing completed. BAN: Parallel R4 and R5 work will result in v4 and v5 specifications - changes will require CRs to both creating additional workload. CN supports the Proposal although there was some disagreement with some of the text. A Drafting group was tasked to produce a CN position paper for presentation to SA.	DISCUSSED
12.2	NP-000555	LS OUT	CN position paper on R4 and R5 Work Planning Principles	Lucent	APPROVED as an input document to SA Plenary #9 meeting	APPROVED
13	NP-000526	CR	CR to 21.900 on new Category B	Ian Park	Withdrawn – composited with 527 to form 537	WITHDRAWN
13	NP-000527	CR	CR to 21.900 on Cat CR handling	Ian Park		REVISED to 0537
13	NP-000537	CR	CR to 21.900 on Cat CR handling	Ian Park	Editorial modification to delete the term 'strategic' CR as these only exist within GSM. Yun-Chao suggested we should document the definitions of categories C1/C2/C3 as were agreed in CN#5 meeting that are missing from this CR. Ian Park suggested generating a separate CR to 21.900 to introduce these sub-categories and procedure across all TSGs. Revised version is in 548, which also includes a covering LS.	REVISED to 0548
13	NP-000548	LS OUT	LS to TSG-R, T and SA including a CR to 21.900 on CR CATEGORIES	Ian Park		APPROVED
13	NP-000549	LS OUT	LS presenting CR to 21.900 to introduce CAT C sub-categories	TSG-CN	JMM - the phrase 'relevant' manufacturing companies is highly important. Ian Park, the wording of relevant manufacturer was greatly debated in Kyonju plenary. JMM suggested that such definitions are very sensitive and such decisions really need to be seen at PCG level. Also the question of participation in the meeting where CRs are presented was raised. A correctional CR to correct implementation errors of earlier CR can be considered as essential. Ian Park - The missing CAT from the other CR to 21.900 is infact already included in the present version of the TR. In light of the number of proposed changes to the text it was agreed to have a drafting group to work on the CR and incorporate the suggested changes.	REVISED to 554
13	NP-000554	LS OUT	LS presenting CR to 21.900 to introduce CAT C sub-categories	TSG-CN	The term MAJOR is not required. Agreed to remove this text. Ian Park verified that the CR does not conflict with the text contained in the other CR to 21.900 presented in NP-000548. This CR should be implemented before the other CR contained within NP-000548 Hannu asks for early distribution of the CRs if they're approved in SA.	APPROVED
15	NP-000418	LS IN	Re. Answer to proposal of exchange of terms in GSM and UMTS	R2	R2 response to CN1 LS in NP-000413	NOTED

Agenda	NP_Tdoc	Type	Title	Source	Discussion	Status
15	NP-000419	LS IN	Status of IEMI coding	S1	Includes input from GSM Assoc. and Pacific Bell asking 3GPP to postpone the issue of IEMI coding until an Ad Hoc meeting has taken place to discuss this. Discussed at the GSM-NA, who agree a change will be required, but do not agree to changing to Hexadecimal coding in the immediate future. Randolph Wohler wants to undertake a specific study to see how we can overcome the problem of IMEI range exhaustion; support from Hannu.	NOTED
15	NP-000486	CRs	CRs to R99 Work Item Gateway Location Register (GLR)	CN4	CAT Error (should be F)	REVISED to 0558
15	NP-000490	CRs	CRs to R99 Work Item Handover	CN4		APPROVED
15	NP-000532	LS IN	LS from GERAN on Terminology	GERAN	Answers CN1s liaison contained in NP-00413	NOTED
15	NP-000533	LS OUT	LS to S3 on Positive Authentication Reporting	CN		APPROVED
15	NP-000535	WID	WI description for R00 - "SIP-CC over Gm interface", N1-000856	CN1	Andrew Allen, Motorola: Remove the reference points Edgar Lycksell asks for clarification on what we call the working groups. After some discussion reached agreement on CNx to denote TSG-CN WGx. Co-operation on issues such as handover is with CN4, not CN2. Gary Schlanger points out that we agreed earlier to put SDP with CN1.	REVISED to 0568
15	NP-000547	DISCUSSION DOC	ITU-T document Yun-Chao	Yun - Chao,	Edgar state if the communication is also to SG 16, it should be on the document. Yun-Chao stated that ITU-T is possible forming a new SG for mobility. However the new structure is not yet known and the communication should go to SG.16 Edgar - this should also be copied to SG.11 CN endorses the document and requests the participating SDOs to forward it to SG 16 and SG 11. Also suggest a general clean up of the document and removal of the word merely.	REVISED to 0569
15	NP-000560	LS IN	LS to CN1 from S2 on Terminology	S2	Answers CN1s liaison contained in NP-00413. Agree with the change IU mode and A/Gb mode for R99 in 23.060.	NOTED
15	NP-000568	WID	WI description for R00 - "SIP-CC over Gm interface", N1-000856	CN1		APPROVED
15	NP-000569	DISCUSSION DOC	ITU-T document (Yun-Chao)	Ericsson	Endorsed as ITU-T input from Ericsson and other companies) to ITU-T SG16, cc SG11.	ENDORSED
15	NP-000586	LS IN	Regarding the Proposal to Change IMEI Encoding	GSM NA	GSM NA do not agree with the proposed changes for IEMI coding.	NOTED
15	NP-000590	LS IN	LS on IEMI coding	GSM TSG	GSM TWG strongly opposed to any ad hoc solution to IMEI exhaustion. Stephen proposes that we wait for the result of the study which TWG propose, and take into consideration their output.	NOTED

## History

<b>Document History</b>	
<b>5<sup>th</sup> October 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-N 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 20<sup>th</sup> October 2000</b></p>
<b>6<sup>th</sup> November 2000</b>	Draft report v2.0.0 placed on the FTP server
<b>6th December 2000</b>	<i>Final v2.0.1[NP-000592] approved at TSG#10 Meeting in Bangkok – Made version 3.0.0 and placed to server as the official meeting report</i>