

## Third Generation Partnership Project

### DRAFT STATUS REPORT v2.0.0

#### 3GPP TSG-CN#12

Stockholm, Sweden  
13th – 15th June, 2001



Hosted by Ericsson

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## **1 Opening of the meeting**

Peter Kobriger welcomed the delegates to Stockholm on behalf of the host, Ericsson. The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Ian Park (Vice-Chair, Vodafone), Mr. Kunihiro Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

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## **2 Approval of Agenda**

The agenda was approved (NP-010225) with the addition of the IETF report under agenda item 4.2.

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## **3 IPR Declarations**

The Chair reminded the Individual Members and the persons making the technical proposals about their obligations under their respective Organizational Partners' IPR Policy. No responses were received.

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## **4 Items for External Attention**

### **4.1 For SA Attention**

#### **4.1.1 Liaison on MVNOs**

An additional liaison was received from SPAN11 WP NAR asking commercial questions surrounding allocation of MNCs to MVNOs (NP-010377/SP-010299). CN believe that these questions are not protocol related and thus they have taken no action to respond. It is unclear who the other receivers of the liaison are. It may be more appropriate for SA or SA1 to respond to this liaison.

#### **4.1.2 Guidelines for SDO Input into ITU-T SSG Q.REF-1**

Guidelines for use by the SDOs in providing a coordinated response to the ITU-T SSG chairman's letter requesting R'99 core network and system specifications were created by the 3GPP ITU-T Ad-Hoc (NP-010382/SP-010351). The recommended baseline is the 3GPP R99 specifications after TSG#11.

Since there may be duplicate specifications in the sets provided to ITU-R and ITU-T a warning was put into the proposed guideline indicating that the SDO versions supplied in response to the ITU-R and ITU-T requests could be different. A liaison was sent to the 3GPP ITU-R Ad-Hoc (NP-010383) informing them of our intention to use TSG#11 output as a baseline.

#### **4.1.3 MAP Application level security**

Two mutually exclusive sets of CRs for handling MAP security were approved ( NP-010259, NP-010348). NP-010348 aligning MAP security requirements is implemented if TS 33.200 is approved at SA#12. Otherwise, NP-010259 which removes MAP security from Release 4 is to be implemented.

In general there are problems with late appearance and stability of security requirements from SA3. CN may become more reluctant to honour last minute changes of direction. Possible ways of improving coordination include:

- More visibility of the SA3 processes and work transition plan
- Joint meetings for the transfer of requirements and architecture work into protocol specifications

#### **4.1.4 Co-ordination of OSA work**

There are currently difficulties in progressing the Release 5 OSA work. In particular:

- Weak OSA lead from SA1
- Rotating OSA chair in SA2
- Poor communications with SA3 on security
- Overlap of scope with SA5 on charging
- Poor communications with T2 on retrieval of terminal capabilities

#### **4.1.5 Transfer of IMS Service Provisioning work**

CN encourages the transfer of the IMS service provisioning work into CN as soon as possible. This transfer can occur before or after protocol selection for the ISC (IM Service Control) interface (e.g., SIP+), however the sooner the transfer can start the better. CN is unable to make a decision on the allocation of the work

within CN until more information is available. For the time being, any work on ISC will occur in the joint CN WG meetings.

#### **4.1.6 Workplan Updates**

In order to gather data on possible schedule delays for IMS or Release 5, the CN WGs have been instructed to review the workplan with particular attention to dependencies and timelines. These are to be reported to CN#13 as a way of determining when different parts of IMS and Release 5 may be ready.

Several new IETF dependencies may be added to the workplan once they are determined to be required by the relevant working group (NP-010397). The most critical known dependency at this time is the IETF 2543bis draft.

### **4.2 Items for PCG Attention**

#### **4.2.1 Liaison on deployment of MCC/MNC**

A liaison was received from SPAN11 WP NAR asking about issues related to the deployment of additional MCCs or the introduction of 3 digit MNCs (NP-010242). CN1 had received an additional liaison from GSM Europe as well as a PCG request for information on the subject. A response liaison to the GSM Association, SPAN 11, and PCG was drafted (NP-010350). It should be noted that SPAN 11 WP NAR will forward this information to ITU-T SG2. The partners are invited to use this information in determining whether their national regulatory organizations need to be informed of the issues associated with deployment of additional MCCs or the introduction of 3 digit MNCs.

#### **4.2.2 Guidelines for SDO Input into ITU-T SSG Q.REF-1**

Please see the discussion in 4.1.2 above. Note that this is not intended to go to ITU SSG directly, but for guidance of the partner SDOs.

#### **4.2.3 Expediting IANA Registrations**

One of the requirements of working with ITU and IETF protocols is that code points must often be registered with IANA and documented before a specification can be completed. The response time in completing this process is excessively long (often lasting many months). A way of expediting this process is needed.

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## **5 Miscellaneous Issues**

### **5.1 Selection of Multicall Handover Issue**

The two sets of alternative CRs in NP-010266 were referred back to CN1 and CN4 since neither set of proponents would accept the competing proposal. A solution will be selected during a joint meeting of CN1 and CN4 during the week of August 27. Voting in the joint WG meeting will be used to resolve the issue if necessary. Both alternatives should be fully elaborated at the meeting so that regardless of which alternative is selected, all the necessary CRs can be completed and agreed in time for CN#13. The MCC will determine and publish the voting procedures for joint meetings.

### **5.2 Provisioning of the gsmSCF address in CAMEL Phase 3**

Two competing solutions for determining the SCF address to use for follow-up TC dialogues in GPRS have been elaborated in NP-010314 and NP-010317. One solution allows for dynamic load sharing but the other solution has less impact on the specifications. Since this is a change to Release 99, there must be consensus on the solution selected. Otherwise neither CR is allowed. The CRs were referred back to CN2 for further discussion.

### **5.3 Introduction of Reference Number for MO SMS**

Although there is some operator support for the inclusion of a charging reference for MO SMS, there was not consensus for NP-010315. Since it is arguably a functional change and definitely a late change to Release 99, there must be consensus for its introduction. The CRs were referred back to CN2 for further discussion.

### **5.4 CN5 Chair Elections**

Lucas Klostermann (CN5 chair) has indicated his intention to resign after the July CN5 meeting. A call for candidates will be issued and elections held in July. Mr. Klostermann was commended for his work in CN5.

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## **6 Release '99 and earlier Work items**

### **6.1 CAMEL Phase 2**

CRs in NP-010309 were approved.

### **6.2 CAMEL Phase 3**

CRs in NP-010246, NP-010283, NP-010310, NP-010311, NP-010312, NP-010313, NP-010354 were approved. CRs in NP-010314, and NP-010317 were referred back to CN2 since neither alternative had the necessary consensus. NP-010315 was referred back to CN2 since there were objections to the proposal. The CR in NP-010316 was rejected since the alternative solution from NP-010354 was approved.

The liaison in NP-010308 was rejected since the related CRs in NP-010315 were not approved.

### **6.3 Security**

CRs in NP-010294 and NP-010343 were approved.

### **6.4 GPRS**

CRs in NP-010256 and NP-010355 were approved. CRs in NP-010375 were referred back to CN1 to allow technical review of the contents.

### **6.5 GTP Enhancement**

CRs in NP-010287 were approved.

### **6.6 Handover**

CRs in NP-010247, NP-010351, NP-010352, NP-010356, NP-010358 were approved. CRs in NP-010270 were conditionally approved pending agreement from CN4. Any objections from CN4 must be provided to the CN4 e-mail list by noon CEST on June 25, 2001. CRs in NP-010357 and NP-010359 were approved, but cannot be implemented until after closure of NP-010270 since they are linked.

**NOTE - THE CRS IN NP-010270 WERE SUBSEQUENTLY APPROVED BY EMAIL**

NP-010345 was rejected since the alternative in NP-010247 was approved.

### **6.7 Location Services**

CRs in NP-010272, NP-010290, NP-010291 were approved.

### **6.8 Multicall**

CRs in NP-010266 were referred back to CN1 and CN4. A solution will be selected during a joint meeting of CN1 and CN4 during the week of August 27. Voting in the joint WG meeting will be used to resolve the issue if necessary. Both alternatives should be fully elaborated at the meeting so that regardless of which alternative is selected, all the necessary CRs can be completed and agreed in time for CN#13.

CRs in NP-010296 were approved.

### **6.9 CS Bearers in UMTS**

CRs in NP-010255 were approved.

### **6.10 TEI**

CRs in NP-010267, NP-010275, NP-010276, NP-010286, NP-010298, NP-010299 were approved.

### **6.11 OSA**

CRs in NP-010325 were approved.

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## **7 Release 4**

### **7.1 Evolution of the transport in the CN**

CRs in NP-010285 were approved.

### **7.2 Enable Bearer Independent CS Architecture**

The CRs in NP-010257 and NP-010284 were approved. A possible problem with SCTP (RFC 2060), which could lead to problems with backwards compatibility, was described in NP-010342. This issue is under discussion in the IETF. CN4 should monitor the situation.

### **7.3 OSA Enhancements**

The following Release 4 OSA specifications were approved:

- TS 29.198-4 OSA; Application Programming Interface; Part 4: Call Control (NP-010326)
- TS 29.198-11 OSA; Application Programming Interface; Part 11: Account Management (NP-010327)
- TS 29.198-12 OSA; Application Programming Interface; Part 12: Charging (NP-010328)
- TR 29.998-5-4 OSA; Application Programming Interface Mapping for OSA; Part 5 (NP-010329)

CRs in NP-010330, NP-010333, NP-010371 were approved.

There was an endorsement of the principle of adopting the new "OSA Return Parameter handling" in accordance with NP-010332. No CRs are pre-approved however and the CRs are to be brought in for approval at CN#13.

This work item is considered complete for Release 4.

### **7.4 Transcoder Free Operation (TrFO)**

CRs in NP-010297 were approved.

### **7.5 LCS**

CRs in NP-010347 were approved.

### **7.6 Security Enhancements**

CRs in NP-010259, NP-010348, NP-010295 were approved. Only one of NP-010259 and NP-010348 will be implemented. NP-010348 is implemented if TS 33.200 is approved at SA#12. Otherwise, NP-010259 is implemented.

### **7.7 ASCI**

CRs in NP-010269 were approved.

### **7.8 TEI-4**

The CRs in NP-010271 were approved. It was agreed that the change to introduce extended TBF should not be made retroactively to Release 99 or earlier.

### **7.9 GERAN improvements**

The CRs in NP-010273 was approved.

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## **8 Release 5**

### **8.1 Provisioning of IP-based multimedia services**

TS 24.228 (NP-010278) was presented for information (v1.0.0).

### **8.2 OSA Enhancements (Release 5)**

The proposed WID covering CN5 work (NP-010331) was referred back to CN5 since the scope of the work was unclear.

### **8.3 CAMEL Phase 4**

The WID for CAMEL Phase 4 (NP-010318) was approved. Note that additional work tasks will need to be added as the work evolves.

### **8.4 Wideband Telephony Service – AMR**

The CN4 proposal to create a WI for the AMR work was endorsed by the plenary. The WID should be brought into CN#13 for approval and will cover all anticipated CN work. This WI should also cover any TFO work required for WB-AMR in CN.

### **8.5 Location Service Enhancements**

CRs in NP-010293 were approved.

### **8.6 End to End QoS**

The WID on End to End QoS (NP-010363) was approved.

### **8.7 Global Text Telephony**

CRs in NP-010268 were approved. Since there is currently no request to provide this functionality to earlier releases, only Release 5 should be addressed.

### **8.8 TEI-5**

CRs in NP-010300 were approved.

### **8.9 Evolution of Transport in the CN**

The revised WID for feasibility study of SUA (NP-010301) was approved. This delays the completion date to CN#13.

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## **9 Work Organization**

The Terms of Reference for CN5 (NP-010324) was approved.

It was agreed to work on ISC in the joint CN working groups until a home is found for the work. SA2 is encouraged to transfer the work (either before or after protocol selection on the Sc interface) as soon as possible. It was noted that there are other interfaces besides just Sc that must be considered for service control provisioning.

A liaison was drafted to the other TSGs encouraging the early allocation of CR numbers (NP-010362/SP-010298) to ease the linking of CRs.

The schedule for 2002 co-located CN WG meetings (CN1, CN2, CN3, CN4) was approved (NP-010376). CN5 is also encouraged to participate in these joint WG meetings. Hosts are encouraged to provide the meetings in locations with GSM coverage.

Several CRs and status lists prepared by the MCC were presented and noted by the CN plenary (NP-010334, NP-010335, NP-010336, NP-010337, NP-010338, NP-010339, NP-010340, NP-010341).

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## **10 Workplan/Project plan**

### **10.1 Review of 3GPP workplan**

The current workplan and workplan overview was presented (NP-010231, NP-010241). It was noted that work task 1296 should have CN3 as lead WG. Work task 1652 should have Per Johan Jorgensen as MCC responsible.

The WGs were urged to review the time plans and dependencies in the workplan for release 5 items. Any slippages or re-estimates of work remaining should be reported at CN#13 and used as a basis for determining the CN position on slippage of Release 5 or IMS. Slippages may also be reported in the WG status report.



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## **11 Close of Meeting**

The meeting was adjourned at 13:00 on Friday, June 15, 2001.

## ANNEX A:OUTPUT MATERIAL

### A.1 Liaisons Approved to be sent following TSG\_CN#12

TDoc #	Tdoc Title	LS to	LS cc	LS Attachment
NP-010350	LS on Mobile Country Code and 3 digit Mobile Network Code	SPAN11 WP NAR, GSM Association, 3GPP PCG	SA1	
NP-010362	LS to TSG_RAN TSG_T, TSG_SA and TSG_GERAN on Allocation of CR numbers.	RAN, T, SA, GERAN		
NP-010382	Co-ordination of SDO input to ITU-T Q.REF-1	PCG, TSG RAN, TSG SA, TSG T		NP-010213
NP-010383	IMT-2000 References of 3GPP based specifications/standards	TSG_RAN ITU-R Ad Hoc		

### A.2 New TSs /TRs Approved at TSG\_CN#12

TDoc #	Type	Spec	N_Version	Tdoc Title	Source
NP-010326	TS	29.198-4	4.0.0	Draft 3GPP TS 29.198-4 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control (Release 4)	CN5
NP-010327	TS	29.198-11	4.0.0	Draft 3GPP TS 29.198-11 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API); Part 11: Account Management (Release 4)	CN5
NP-010328	TS	29.198-12	4.0.0	Draft 3GPP TS 29.198-12 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API); Part 12: Charging (Release 4)	CN5
NP-010329	TR	29.998-5-4	4.0.0	Draft 3GPP TR 29.998-5-4 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API) Mapping for OSA; Part 5	CN5

### A.3 New / Revised Work Items Approved at TSG\_CN#12

TDoc #	Tdoc Title	Source
NP-010301	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	CN4
NP-010318	WID for CAMEL4	CN2
NP-010363	WID on end to End QoS Stage 3	CN3

#### A.4 CRs Approved at TSG\_CN#12

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010267	Approved	24.008	4.2.0	423	1	F	Rel-4	Correct coding errors in the MS Radio Access Capability IE	N1	N1-010909	TEI4	
NP-010267	Approved	24.008	3.7.0	425		F	R99	Correct coding errors in the MS Radio Access Capability IE	N1	N1-010903	TEI	
NP-010268	approved	24.008	4.2.0	426	1	B	Rel-5	Introduction of GTT (CTM) support	N1	N1-010906	GTT	
NP-010269	Approved	44.068	4.1.1	002	1	F	Rel-4	Clarification of the coding of otdi information in IA5 format	N1	N1-010854	ASCI	
NP-010269	Approved	44.069	4.1.1	002	1	F	Rel-4	Clarification of the coding of otdi information in IA5 format	N1	N1-010855	ASCI	
NP-010271	Approved	24.008	4.2.0	419	1	F	Rel-4	Clean up related to V.23, X.75, X.25 and X.32	N1	N1-010853	TEI4	
NP-010271	Approved	44.064	4.0.0	001		B	Rel-4	Addition of UI Dummy command for use in RLC/MAC delayed TBF release procedure	N1	N1-010759	TEI4	
NP-010272	Approved	04.08	7.11.0	A1097	2	F	R98	Modification to MS's MM states to enable LCS signalling on RR layer	N1	N1-010681	LCS	
NP-010272	Approved	24.008	3.7.0	395	3	A	R99	Modification to MS's MM states to enable LCS	N1	N1-010840	LCS	
NP-010272	Approved	24.008	4.2.0	396	3	A	Rel-4	Modification to MS's MM states to enable LCS	N1	N1-010841	LCS	
NP-010273	Approved	24.008	4.2.0	422		B	Rel-4	Extended uplink TBF	N1	N1-010830	GEIMP4	
NP-010275	Approved	04.08	7.11.0	A1071	1	F	R98	Length of User-user IE	N1	N1-010627	TEI	
NP-010275	Approved	23.122	3.6.0	029	3	F	R99	Partial Roaming - restriction by location area	N1	N1-010918	TEI	
NP-010275	Approved	23.122	4.0.0	030	3	A	Rel-4	Partial Roaming - restriction by location area	N1	N1-010919	TEI	
NP-010275	Approved	24.008	3.7.0	332	2	F	R99	Length of User-user IE	N1	N1-010663	TEI	
NP-010275	Approved	24.008	4.2.0	333	2	A	Rel-4	Length of User-user IE	N1	N1-010662	TEI	
NP-010275	Approved	24.008	3.7.0	415	3	F	R99	Partial Roaming - restriction by location area	N1	N1-010861	TEI	
NP-010275	Approved	24.008	4.2.0	416	2	A	Rel-4	Partial Roaming - restriction by location area	N1	N1-010862	TEI	
NP-010275	Approved	24.008	3.7.0	417	2	F	R99	The priority in the CALL PROCEEDING message for eMLPP supporting network	N1	N1-010916	TEI	
NP-010275	Approved	24.008	4.2.0	418	2	A	Rel-4	The priority in the CALL PROCEEDING message for eMLPP supporting network	N1	N1-010917	TEI	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010275	Approved	24.008	3.7.0	420	1	F	R99	Handling of MM reject causes 2, 3 and 6 by mobile stations	N1	N1-010859	TEI	
NP-010275	Approved	24.008	4.2.0	421	1	A	Rel-4	Handling of MM reject causes 2, 3 and 6 by mobile stations	N1	N1-010860	TEI	
NP-010276	Approved	23.122	3.6.0	026	1	F	R99	Corrections and clarifications to PLMN Selection	N1	N1-010675	TEI	
NP-010276	Approved	23.122	4.0.0	027	1	A	Rel-4	Corrections and clarifications to PLMN selection	N1	N1-010676	TEI	
NP-010276	Approved	23.122	3.6.0	031		F	R99	Removal of 'Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122	N1	N1-010819	TEI	
NP-010276	Approved	23.122	4.0.0	032		A	Rel-4	Removal of 'Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122	N1	N1-010820	TEI	
NP-010276	Approved	23.122	3.6.0	033		F	R99	Alignment with stage 1 specification on PLMN background search	N1	N1-010821	TEI	
NP-010276	Approved	23.122	4.0.0	034		A	Rel-4	Alignment with stage 1 specification on PLMN background search	N1	N1-010822	TEI	
NP-010343	Approved	24.008	3.7.0	427	1	F	R99	Alignment of 24.008 authentication procedures with 33.102	N1		Security	Only on e-mail
NP-010343	Approved	24.008	4.2.0	428	1	F	Rel-4	Alignment of 24.008 authentication procedures with 33.102	N1		Security	Only on e-mail
NP-010351	Approved	24.008	3.7.0	402	4	F	R99	Classmark 1,2 and 3 corrections	N1		GSM-UMTS interworking	
NP-010351	Approved	24.008	4.2.0	403	4	A	Rel-4	Classmark 1,2 and 3 corrections	N1		GSM-UMTS interworking	
NP-010352	Approved	23.122	3.6.0	023	1	F	R99	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010668	GSM/UMTS interworking	
NP-010352	Approved	23.122	4.0.0	024	1	A	Rel-4	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010669	GSM/UMTS interworking	
NP-010352	Approved	24.008	3.7.0	399		F	R99	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010615	GSM/UMTS interworking	
NP-010352	Approved	24.008	4.2.0	400		A	Rel-4	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010616	GSM/UMTS interworking	
NP-010355	Approved	04.08	6.14.0	A1093		F	R97	Missing SM cause 40 in table 10.6.6	N1	N1-010593	GPRS	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010355	Approved	04.08	7.11.0	A1095		A	R98	Missing SM cause 40 in table 10.6.6	N1	N1-010594	GPRS	
NP-010355	Approved	04.08	6.14.0	A1099	2	F	R97	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010677	GPRS	
NP-010355	Approved	04.08	7.11.0	A1101	2	A	R98	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010678	GPRS	
NP-010355	Approved	24.008	3.7.0	393		A	R99	Missing SM cause 40 in table 10.6.6	N1	N1-010595	GPRS	
NP-010355	Approved	24.008	4.2.0	394		A	Rel-4	Missing SM cause 40 in table 10.6.6	N1	N1-010596	GPRS	
NP-010355	Approved	24.008	3.7.0	405	2	A	R99	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010679	GPRS	
NP-010355	Approved	24.008	4.2.0	411	2	A	Rel-4	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010680	GPRS	
NP-010246	approved	23.078	3.8.0	308		F	R99	Correction to PDP Context DP description table (table 6.2)	N2		CAMEL Ph 3	
NP-010246	approved	23.078	4.0.0	309		A	Rel-4	Correction to PDP Context DP description table (table 6.2)	N2		CAMEL Ph 3	
NP-010309	approved	03.78	6.8.0	A161	1	F	R97	Mapping of Call Forwarding parameters from CAP-Connect to ISUP-IAM and CAP-InitialDP	N2	N2-010379	CAMEL Ph 2	
NP-010309	approved	03.78	7.5.0	A162	1	A	R98	Mapping of Call Forwarding parameters from CAP-Connect to ISUP-IAM and CAP-InitialDP	N2	N2-010380	CAMEL Ph 2	
NP-010309	approved	23.078	3.8.0	288	1	F	R99	Mapping of Call Forwarding parameters from CAP-Connect to ISUP-IAM and CAP-InitialDP	N2	N2-010381	CAMEL Ph 3	
NP-010309	approved	23.078	4.0.0	289	1	A	Rel-4	Mapping of Call Forwarding parameters from CAP-Connect to ISUP-IAM and CAP-InitialDP	N2	N2-010382	CAMEL Ph 3	
NP-010310	approved	23.078	3.8.0	286		F	R99	GGSN address in SGSN to SCP interface	N2	N2-010282	CAMEL Ph 3	
NP-010310	approved	23.078	4.0.0	287		A	Rel-4	GGSN address in SGSN to SCP interface	N2	N2-010283	CAMEL Ph 3	
NP-010310	approved	23.078	3.8.0	290		F	R99	Correction of error implementing CR 23.078-181r2	N2	N2-010290	CAMEL Ph 3	
NP-010310	approved	23.078	4.0.0	291		A	Rel-4	Correction of error implementing CR 23.078-181r2	N2	N2-010291	CAMEL Ph 3	
NP-010310	approved	23.078	3.8.0	292	1	F	R99	Handling of second SIFOC	N2	N2-010404	CAMEL Ph 3	
NP-010310	approved	23.078	4.0.0	293	1	A	Rel-4	Handling of second SIFOC	N2	N2-010406	CAMEL Ph 3	
NP-010310	approved	23.078	3.8.0	294	1	F	R99	Correction to GPRS SDL: no state transition for QoS-induced ACR-GPRS	N2	N2-010389	CAMEL Ph 3	

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NP-010310	approved	23.078	3.8.0	295	1	F	R99	Correction on the call-Diversion-Treatment-Indicator at the GMSC	N2	N2-010412	CAMEL Ph 3	
NP-010310	approved	23.078	4.0.0	297		A	Rel-4	Correction to GPRS SDL: no state transition for QoS-induced ACR-GPRS	N2	N2-010390	CAMEL Ph 3	
NP-010310	approved	23.078	4.0.0	299		A	Rel-4	Correction on the call-Diversion-Treatment-Indicator at the GMSC	N2	N2-010413	CAMEL Ph 3	
NP-010310	approved	23.078	3.8.0	301		F	R99	CAMEL Capability Handling in GPRS-CSI	N2	N2-010449	CAMEL Ph 3	
NP-010310	approved	23.078	4.0.0	302		A	Rel-4	CAMEL Capability Handling in GPRS-CSI	N2	N2-010450	CAMEL Ph 3	
NP-010311	approved	29.078	3.7.0	155	3	F	R99	Contradiction and inconsistency among descriptions on SMS	N2	N2-010466	CAMEL Ph 3	
NP-010311	approved	29.078	4.0.0	156	2	A	Rel-4	Contradiction and inconsistency among descriptions on SMS	N2	N2-010467	CAMEL Ph 3	
NP-010311	approved	29.078	3.7.0	157	1	F	R99	Correction to ACR-GPRS procedure description	N2	N2-010391	CAMEL Ph 3	
NP-010311	approved	29.078	3.7.0	159	1	F	R99	Correction on the usage of SII2 parameter in CAP	N2	N2-010408	CAMEL Ph 3	
NP-010311	approved	29.078	3.7.0	160	1	F	R99	Correction to state transition for Assisting gsmSSF	N2	N2-010414	CAMEL Ph 3	
NP-010311	approved	29.078	4.0.0	177		A	Rel-4	Correction to ACR-GPRS procedure description	N2	N2-010392	CAMEL Ph 3	
NP-010311	approved	29.078	4.0.0	178		A	Rel-4	Correction on the usage of SII2 parameter in CAP	N2	N2-010409	CAMEL Ph 3	
NP-010311	approved	29.078	4.0.0	180		A	Rel-4	Correction to state transition for Assisting gsmSSF	N2	N2-010415	CAMEL Ph 3	
NP-010312	approved	29.078	3.7.0	161	1	F	R99	Correction to IMPORT statements	N2	N2-010384	CAMEL Ph 3	
NP-010312	approved	29.078	3.7.0	162	3	F	R99	ASN.1 syntax correction	N2	N2-010456	CAMEL Ph 3	
NP-010312	approved	29.078	4.0.0	163	3	A	Rel-4	ASN.1 syntax correction	N2	N2-010457	CAMEL Ph 3	
NP-010312	approved	29.078	3.7.0	164	2	F	R99	Correction of the MAXIMUM-FOR-FCI-BILLING-CHARGING value	N2	N2-010441	CAMEL Ph 3	
NP-010312	approved	29.078	4.0.0	165		A	Rel-4	Correction of the MAXIMUM-FOR-FCI-BILLING-CHARGING value	N2	N2-010336	CAMEL Ph 3	
NP-010312	approved	29.078	3.7.0	166	1	F	R99	Correction of the gprsSSF error handling	N2	N2-010393	CAMEL Ph 3	
NP-010312	approved	29.078	4.0.0	167		A	Rel-4	Correction of the gprsSSF error handling	N2	N2-010338	CAMEL Ph 3	
NP-010312	approved	29.078	4.0.0	176		A	Rel-4	Correction to IMPORT statements	N2	N2-010385	CAMEL Ph 3	

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NP-010313	approved	29.078	3.7.0	168	1	F	R99	Clarification of the TC dialogue termination	N2	N2-010394	CAMEL Ph 3	
NP-010313	approved	29.078	4.0.0	169	1	A	Rel-4	Clarification of the TC dialogue termination	N2	N2-010395	CAMEL Ph 3	
NP-010313	approved	29.078	3.7.0	170	1	F	R99	The termination of the dialogue is not clear after ActivityTestGPRS Return Result.	N2	N2-010396	CAMEL Ph 3	
NP-010313	approved	29.078	4.0.0	171	1	A	Rel-4	The termination of the dialogue is not clear after ActivityTestGPRS Return Result.	N2	N2-010397	CAMEL Ph 3	
NP-010313	approved	29.078	3.7.0	172	1	F	R99	Alignement the 29.078 on the 23.078	N2	N2-010410	CAMEL Ph 3	
NP-010313	approved	29.078	3.7.0	174	1	F	R99	Setting of End User Address Spare Bits	N2	N2-010442	CAMEL Ph 3	
NP-010313	approved	29.078	4.0.0	179		A	Rel-4	Alignement the 29.078 on the 23.078	N2	N2-010411	CAMEL Ph 3	
NP-010313	approved	29.078	4.0.0	181		A	Rel-4	Setting of End User Address Spare Bits	N2	N2-010443	CAMEL Ph 3	
NP-010354	approved	23.078	3.8.0	306	1	F	R99	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	
NP-010354	approved	23.078	4.0.0	307	1	A	Rel-4	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	
NP-010354	approved	29.078	3.7.0	187	1	F	R99	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	
NP-010354	approved	29.078	4.0.0	188	1	A	Rel-4	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	
NP-010255	approved	23.910	3.4.0	029		F	R99	Connection models for CSD and editorial changes.	N3	N3-010231	CS Bearers	
NP-010255	approved	23.910	4.2.0	030		A	Rel-4	Connection models for CSD and editorial changes.	N3	N3-010220	CS Bearers	
NP-010255	approved	27.001	3.8.0	059		F	R99	Corrections of PLMN BC attributes	N3	N3-010232	CS Bearers	
NP-010255	approved	27.001	4.3.0	060		A	Rel-4	Corrections of PLMN BC attributes	N3	N3-010233	CS Bearers	
NP-010256	approved	29.061	3.5.0	017		F	R99	Clarifications on the non-transparent access mode"	N3	N3-010240	GPRS	
NP-010256	approved	29.061	4.0.0	018		A	Rel-4	Clarifications on the non-transparent access mode"	N3	N3-010242	GPRS	

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NP-010256	approved	29.061	3.5.0	019		F	R99	Set the use of PPP between the MT and TE as an option when interworking with MIPv4	N3	N3-010239	GPRS	
NP-010256	approved	29.061	4.0.0	020		A	Rel-4	Set the use of PPP between the MT and TE as an option when interworking with MIPv4	N3	N3-010241	GPRS	
NP-010257	approved	29.414	4.0.0	001		F	Rel-4	Editorial Clarifications in 29.414 and IANA registration	N3	N3-010198	CSSPLIT	
NP-010247	approved	29.002	3.8.0	255	3	F	R99	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4		Handover	revises NP-010289
NP-010247	approved	29.002	4.3.0	256	3	A	Rel-4	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4		Handover	revises NP-010289
NP-010283	approved	23.008	3.5.0	036		F	R99	Supported CAMEL Phases in VLR is temporary	N4	N4-010744	CAMEL Ph 3	
NP-010283	approved	23.008	4.0.0	037		A	Rel-4	Supported CAMEL Phases in VLR is temporary	N4	N4-010745	CAMEL Ph 3	
NP-010283	approved	23.018	3.7.0	073		F	R99	Initialisation of variable to monitor activation of CSI's	N4	N4-010722	CAMEL Ph 3	
NP-010283	approved	23.018	4.2.0	074		A	Rel-4	Initialisation of variable to monitor activation of CSI's	N4	N4-010723	CAMEL Ph 3	
NP-010284	approved	23.153	4.1.0	024	1	F	Rel-4	Role of MSC server in FP UP version negotiation for TrFO	N4	N4-010683	CSSPLIT	
NP-010284	approved	23.205	4.0.0	002	1	F	Rel-4	Voice Processing Function Alignment/Clean Up for Call Handover and Relocation	N4	N4-010676	CSSPLIT	
NP-010284	approved	23.205	4.0.0	004	1	F	Rel-4	Corrections to Call Clearing	N4	N4-010678	CSSPLIT	
NP-010284	approved	23.205	4.0.0	006	1	F	Rel-4	Alignment of procedure names to TS 29.232 and editorial changes	N4	N4-010680	CSSPLIT	
NP-010284	approved	29.232	4.0.0	001	1	F	Rel-4	Text encoding of codec information on Mc interface	N4	N4-010689	CSSPLIT	
NP-010284	approved	29.232	4.0.0	004	1	F	Rel-4	ATM-IP signalling transport Interworking	N4	N4-010746	CSSPLIT	
NP-010284	approved	29.232	4.0.0	005	1	F	Rel-4	Alignment of Procedure names to TS 23.205 and Q.1950	N4	N4-010694	CSSPLIT	
NP-010284	approved	29.232	4.0.0	006	3	F	Rel-4	Clarifications in 3GUP package	N4	N4-010692	CSSPLIT	
NP-010284	approved	29.232	4.0.0	007	1	F	Rel-4	Clarification of Use of UP version property in 3GUP package	N4	N4-010691	CSSPLIT	
NP-010284	approved	29.232	4.0.0	008	1	F	Rel-4	Updates to UP Relay Function, Appendix A	N4	N4-010693	CSSPLIT	



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NP-010285	approved	29.205	4.0.0	001	1	F	Rel-4	Changes to provide interworking between signalling transport	N4	N4-010706	CSSPLIT	
NP-010286	approved	03.03	7.5.0	A052	1	F	R98	Remove reference to TS 03.22	N4	N4-010724	TEI	
NP-010286	approved	23.003	3.8.0	027	1	A	R99	Remove reference to TS 23.022	N4	N4-010725	TEI	
NP-010286	approved	23.003	4.0.0	028	1	A	Rel-4	Remove reference to TS 23.022	N4	N4-010726	TEI	
NP-010287	approved	29.060	3.8.0	195		F	R99	Correction due to incorrectly implemented CR on the Error indication message	N4	N4-010529	GTP enhancement	
NP-010287	approved	29.060	4.0.0	196		A	Rel-4	Correction due to incorrectly implemented CR on the Error indication message	N4	N4-010530	GTP enhancement	
NP-010287	approved	29.060	3.8.0	203	1	F	R99	Clarification of the handling of Version Not Supported; Supported Extension Headers and Error Indication messages	N4	N4-010712	GTP enhancement	
NP-010287	approved	29.060	3.8.0	204	1	F	R99	Removal of the useless "version not supported" cause code from GTP messages	N4	N4-010715	GTP enhancement	
NP-010287	approved	29.060	3.8.0	206		F	R99	Ambiguous text description of the CGF IE handling in the GTP create PDP context request message	N4	N4-010555	GTP enhancement	
NP-010287	approved	29.060	3.8.0	207		F	R99	GTP Message Treatment	N4	N4-010564	GTP enhancement	
NP-010287	approved	29.060	4.0.0	208		A	Rel-4	GTP Message Treatment	N4	N4-010565	GTP enhancement	
NP-010287	approved	29.060	4.0.0	220		A	Rel-4	Clarification of the handling of Version Not Supported; Supported Extension Headers and Error Indication messages	N4	N4-010713	GTP enhancement	
NP-010287	approved	29.060	4.0.0	221		A	Rel-4	Removal of the useless "version not supported" cause code from GTP messages	N4	N4-010714	GTP enhancement	
NP-010287	approved	29.060	4.0.0	222		A	Rel-4	Ambiguous text description of the CGF IE handling in the GTP create PDP context request message	N4	N4-010721	GTP enhancement	
NP-010287	approved	29.060	3.8.0	226		F	R99	Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure	N4	N4-010660	GTP enhancement	
NP-010287	approved	29.060	4.0.0	227		A	Rel-4	Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure	N4	N4-010661	GTP enhancement	

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NP-010290	approved	09.02	7.8.0	A319		F	R98	Add support in MAP for Ellipsoid Point	N4	N4-010549	LCS	
NP-010290	approved	29.002	3.8.0	265		A	R99	Add support in MAP for Ellipsoid Point	N4	N4-010550	LCS	
NP-010290	approved	29.002	4.3.0	266		A	Rel-4	Add support in MAP for Ellipsoid Point	N4	N4-010551	LCS	
NP-010291	approved	24.030	3.1.0	004		F	R99	Handle new parameters in LCS-MOLR	N4	N4-010535	LCS	
NP-010291	approved	24.030	4.0.0	005		A	Rel-4	Handle new parameters in LCS-MOLR	N4	N4-010536	LCS	
NP-010291	approved	24.080	3.4.1	007		F	R99	Add support in DTAP for all shapes defined in 23.032	N4	N4-010537	LCS	
NP-010291	approved	24.080	4.0.0	008		A	Rel-4	Add support in DTAP for all shapes defined in 23.032	N4	N4-010538	LCS	
NP-010291	approved	29.002	3.8.0	263	3	F	R99	Add support in MAP for all shapes defined in 23.032	N4	N4-010786	LCS	
NP-010291	approved	29.002	4.3.0	264	3	A	Rel-4	Add support in MAP for all shapes defined in 23.032	N4	N4-010787	LCS	
NP-010291	approved	29.010	3.5.0	017	1	F	R99	Mapping between RANAP and BSSMAP for Location Services	N4	N4-010753	LCS	
NP-010291	approved	29.010	4.0.0	018	1	A	Rel-4	Mapping between RANAP and BSSMAP for Location Services	N4	N4-010751	LCS	
NP-010291	approved	29.010	4.0.0	031		A	Rel-4	Mapping between RANAP and BSSMAP for Location Services	N4	N4-010752	LCS	
NP-010291	approved	29.010	3.5.0	032		F	R99	Mapping between RANAP and BSSMAP for Location Services	N4	N4-010754	LCS	
NP-010293	approved	23.003	4.0.0	029	1	F	Rel-5	New Subsystem Number for the Position Calculation Application Part on the lupc interface	N4	N4-010699	LCS1	
NP-010294	approved	29.002	3.8.0	284		F	R99	Mistake in the definition of AFR Application Context	N4	N4-010672	Security	
NP-010294	approved	29.002	4.3.0	285		A	Rel-4	Mistake in the definition of AFR Application Context	N4	N4-010673	Security	
NP-010295	approved	29.002	4.3.0	267	3	C	Rel-4	Additional Parameters in Authentication Failure Report	N4	N4-010785	SEC1-	
NP-010296	approved	24.080	3.4.1	010	1	F	R99	Addition of the description for Multicall missing from 24.080	N4	N4-010742	Multicall	
NP-010296	approved	24.080	4.0.0	011	1	A	Rel-4	Addition of the description for Multicall missing from 24.080	N4	N4-010743	Multicall	
NP-010296	approved	29.002	3.8.0	253	2	F	R99	Addition of radio resource list to the handover procedures	N4	N4-010738	Multicall	
NP-010296	approved	29.002	4.3.0	254	2	A	Rel-4	Addition of radio resource list to the handover procedures	N4	N4-010739	Multicall	
NP-010296	approved	29.002	3.8.0	282	1	F	R99	Introduction of selected Rab-id to the Process Access Signalling operation	N4	N4-010740	Multicall	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010296	approved	29.002	4.3.0	283	1	A	Rel-4	Introduction of selected Rab-id to the Process Access Signalling operation	N4	N4-010741	Multicall	
NP-010297	approved	23.153	4.1.0	025		F	Rel-4	Default Codec For UMTS & GSM dual systems	N4	N4-010644	OoBTC	
NP-010298	approved	23.008	3.5.0	034	3	F	R99	Correction of references	N4	N4-010755	TEI	
NP-010298	approved	23.008	4.0.0	035	3	A	Rel-4	Correction of references	N4	N4-010756	TEI	
NP-010298	approved	23.082	3.5.0	009		F	R99	Interworking cases for Long Forwarded-to Numbers	N4	N4-010655	TEI	
NP-010298	approved	23.083	4.1.0	010		A	Rel-4	Interworking cases for Long Forwarded-to Numbers	N4	N4-010656	TEI	
NP-010298	approved	29.060	3.8.0	193		F	R99	Correction/Clarification of GGSN handling of Update PDP Context Response	N4	N4-010524	TEI	
NP-010298	approved	29.060	4.0.0	194		A	Rel-4	Correction/Clarification of GGSN handling of Update PDP Context Response	N4	N4-010525	TEI	
NP-010298	approved	29.060	3.8.0	197		F	R99	RNC IP Address IE format	N4	N4-010543	TEI	
NP-010298	approved	29.060	4.0.0	198		A	Rel-4	RNC IP Address IE format	N4	N4-010544	TEI	
NP-010299	approved	23.067	3.2.0	009	1	F	R99	Remove the statement when MS receives no priority granted	N4	N4-010769	TEI	
NP-010299	approved	23.067	4.0.0	010	1	A	Rel-4	Remove the statement when MS receives no priority granted	N4	N4-010770	TEI	
NP-010299	approved	23.116	3.0.0	001	3	F	R99	Essential drawbacks on services due to introduction of Super-Charger function	N4	N4-010765	TEI	
NP-010299	approved	23.116	4.0.0	002	3	A	Rel-4	Essential drawbacks on services due to introduction of Super-Charger function	N4	N4-010765	TEI	
NP-010299	approved	24.067	3.1.0	004		F	R99	Remove the statement when MS receives no priority granted	N4	N4-010582	TEI	
NP-010299	approved	24.067	4.0.0	005		A	Rel-4	Remove the statement when MS receives no priority granted	N4	N4-010583	TEI	
NP-010299	approved	29.002	3.8.0	278	3	F	R99	Essential drawbacks on services due to introduction of Super-Charger function	N4	N4-010766	TEI	
NP-010299	approved	29.002	4.3.0	279	3	A	Rel-4	Essential drawbacks on services due to introduction of Super-Charger function	N4	N4-010767	TEI	
NP-010299	approved	29.010	3.5.0	029		F	R99	Partial Roaming – restriction by Location area	N4	N4-010686	TEI	
NP-010299	approved	29.010	4.0.0	030		A	Rel-4	Partial Roaming – restriction by Location area	N4	N4-010687	TEI	

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NP-010300	approved	23.018	4.2.0	072		C	Rel-5	Handling of MultiCall in MPTV procedure	N4	N4-010534	TEI5	
NP-010300	approved	23.084	4.0.0	004	1	C	Rel-5	Handling of MultiCall in MPTV procedure	N4	N4-010698	TEI5	
NP-010347	approved	24.080	4.0.0	009		F	Rel-4	OTDOA location method to be added	N4	N4-010665	LCS1	
NP-010347	approved	29.002	4.3.0	268	3	F	Rel-4	MS presence notification procedure for LCS	N4	N4-010783	LCS1	
NP-010348	approved	29.002	4.3.0	168	5	C	Rel-4	Security Header modification	N4	N4-010778	SEC1-	
NP-010348	approved	29.002	4.3.0	289	2	F	Rel-4	Component level granularity of protection	N4	N4-010790	SEC1-	
NP-010356	approved	29.010	3.5.0	023	1	F	R99	Addition of allowed UMTS algorithms indication to the handover procedures	N4	N4-010596	Handover	was NP-010288
NP-010356	approved	29.010	4.0.0	024	1	A	Rel-4	Addition of allowed UMTS algorithms indication to the handover procedures	N4	N4-010597	Handover	was NP-010288
NP-010356	approved	29.010	3.5.0	025	1	F	R99	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010598	Handover	was NP-010288
NP-010356	approved	29.010	4.0.0	026	1	A	Rel-4	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010599	Handover	was NP-010288
NP-010356	approved	29.010	3.5.0	027	1	F	R99	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4	N4-010602	Handover	was NP-010288
NP-010356	approved	29.010	4.0.0	028	1	A	Rel-4	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4	N4-010603	Handover	was NP-010288
NP-010358	approved	29.002	3.8.0	226	5	F	R99	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010729	Handover	
NP-010358	approved	29.002	4.3.0	241	4	A	Rel-4	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010730	Handover	
NP-010358	approved	29.002	3.8.0	242	4	F	R99	Addition of allowed UMTS algorithm indication to the handover procedures	N4	N4-010732	Handover	
NP-010358	approved	29.002	4.3.0	244	4	A	Rel-4	Addition of allowed UMTS algorithm indication to the handover procedures	N4	N4-010733	Handover	
NP-010358	approved	29.002	3.8.0	269	1	F	R99	Correction to description of RNCId parameter	N4	N4-010632	Handover	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010358	approved	29.002	4.3.0	270	1	A	Rel-4	Correction to description of RNCId parameter	N4	N4-010633	Handover	
NP-010358	approved	29.002	3.8.0	271	1	F	R99	Correction to Encryption Information and Integrity Protection Information parameters	N4	N4-010634	Handover	
NP-010358	approved	29.002	4.3.0	272	1	A	Rel-4	Correction to Encryption Information and Integrity Protection Information parameters	N4	N4-010635	Handover	
NP-010325	approved	29.198	3.3.0	048		F	R99	IDL Correction of TpCallEventCriteria	N5	N5-010355	OSA	
NP-010330	approved	29.198-1	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010267	OSA1	
NP-010330	approved	29.198-2	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010261	OSA1	
NP-010330	approved	29.198-3	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010262	OSA1	
NP-010330	approved	29.198-5	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010263	OSA1	
NP-010330	approved	29.198-6	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010264	OSA1	
NP-010330	approved	29.198-7	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010265	OSA1	
NP-010330	approved	29.198-8	4.0.0	001		F	Rel4	Corrections to OSA API Rel4	N5	N5-010266	OSA1	
NP-010333	approved	29.198-2	4.0.0	002		F	Rel4	Introduction of TpOctet	N5	N5-010304	OSA1	
NP-010371	approved	29.998-04-1	4.0.0	001		F	Rel4	setCallLoadControl mapping to CAP	N5	N5-010432	OSA1	
NP-010270		23.009	3.6.0	034	3	F	R99	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	N1	N1-010913	Handover	APPROVED BY Email
NP-010270		23.009	4.0.0	035	3	A	Rel-4	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	N1	N1-010914	Handover	APPROVED BY Email
NP-010259		29.002	4.3.0	287		C	Rel-4	Shift MAPsec to Rel-5	N4	N4-010671	SEC1-	conditional upon SA decision
NP-010357		29.010	3.5.0	019	1	F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010592	Handover	was NP-010288 – APPROVED following the condition of NP-010270 being approved by e-mail being met.
NP-010357		29.010	4.0.0	020	1	A	Rel-4	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010593	Handover	was NP-010288 - APPROVED following the condition of NP-010270 being approved by e-mail being met
NP-010357		29.010	3.5.0	021	1	F	R99	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010594	Handover	was NP-010288 - APPROVED following the condition of NP-010270 being approved by e-mail being met

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010357		29.010	4.0.0	022	1	A	Rel-4	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010595	Handover	was NP-010288 - APPROVED following the condition of NP-010270 being approved by e-mail being met
NP-010359		29.002	4.3.0	239	4	A	Rel-4	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010727	Handover	APPROVED following the condition of NP-010270 being approved by e-mail being met
NP-010359		29.002	3.8.0	243	4	F	R99	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010727	Handover	APPROVED following the condition of NP-010270 being approved by e-mail being met
NP-010359		29.002	4.3.0	245	4	A	Rel-4	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010727	Handover	approved conditional on approval by e-mail of NP-010270 <b>APPROVED BY Email</b>
NP-010359		29.002	3.8.0	225	4	F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010727	Handover	APPROVED following the condition of NP-010270 being approved by e-mail being met

## A.5 CRs Not Approved at TSG\_CN#12

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010245	Withdrawn	24.008	3.7.0	427		F	R99	Alignment of 24.008 authentication procedures with 33.102	N1		Security	Only on e-mail. Revised to NP-010343
NP-010245	Withdrawn	24.008	4.2.0	428		F	Rel-4	Alignment of 24.008 authentication procedures with 33.102	N1		Security	Only on e-mail. Revised to NP-010343
NP-010274	revised	04.08	6.14.0	A1093		F	R97	Missing SM cause 40 in table 10.6.6	N1	N1-010593	GPRS	
NP-010274	revised	04.08	7.11.0	A1095		A	R98	Missing SM cause 40 in table 10.6.6	N1	N1-010594	GPRS	
NP-010274	revised	04.08	6.14.0	A1099	2	F	R97	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010677	GPRS	
NP-010274	revised	04.08	7.11.0	A1101	2	A	R98	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010678	GPRS	
NP-010274	revised	24.008	3.7.0	393		A	R99	Missing SM cause 40 in table 10.6.6	N1	N1-010595	GPRS	
NP-010274	revised	24.008	4.2.0	394		A	Rel-4	Missing SM cause 40 in table 10.6.6	N1	N1-010596	GPRS	
NP-010274	revised	24.008	3.7.0	397	1	F	R99	Clarification to REQUEST PDP CONTEXT ACTIVATION	N1	N1-010666	GPRS	
NP-010274	revised	24.008	4.2.0	398	1	A	Rel-4	Clarification to REQUEST PDP CONTEXT ACTIVATION	N1	N1-010667	GPRS	
NP-010274	revised	24.008	3.7.0	405	2	A	R99	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010679	GPRS	
NP-010274	revised	24.008	4.2.0	411	2	A	Rel-4	Clarification of Network Initiated GPRS Detach Procedure	N1	N1-010680	GPRS	
NP-010277	revised	23.122	3.6.0	023	1	F	R99	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010668	GSM/UMTS interworking	
NP-010277	revised	23.122	4.0.0	024	1	A	Rel-4	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010669	GSM/UMTS interworking	
NP-010277	revised	24.008	3.7.0	399		F	R99	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010615	GSM/UMTS interworking	
NP-010277	revised	24.008	4.2.0	400		A	Rel-4	Stored list of equivalent PLMNs and error/abnormal cases	N1	N1-010616	GSM/UMTS interworking	
NP-010277	revised	24.008	3.7.0	402	2	F	R99	Classmark 1,2 and 3 corrections	N1	N1-010837	GSM-UMTS interworking	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010277	revised	24.008	4.2.0	403	2	A	Rel-4	Classmark 1,2 and 3 corrections	N1	N1-010838	GSM-UMTS interworking	
NP-010375	revised	24.008	3.7.0	397	2	F	R99	Clarification to REQUEST PDP CONTEXT ACTIVATION	N1		GPRS	
NP-010375	revised	24.008	4.2.0	398	2	A	Rel-4	Clarification to REQUEST PDP CONTEXT ACTIVATION	N1		GPRS	
NP-010320	revised	23.078	3.8.0	306		F	R99	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	replaced by NP-010354
NP-010320	revised	23.078	4.0.0	307		A	Rel-4	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	replaced by NP-010354
NP-010320	revised	29.078	3.7.0	187		F	R99	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	replaced by NP-010354
NP-010320	revised	29.078	4.0.0	188		A	Rel-4	Correction for the CAMEL3 ACR-GPRS parameter range problem (roll-over)	N2		CAMEL Ph 3	replaced by NP-010354
NP-010288	revised	29.010	3.5.0	019		F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010592	Handover	see NP-010356/357
NP-010288	revised	29.010	4.0.0	020		A	Rel-4	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010593	Handover	see NP-010356/357
NP-010288	revised	29.010	3.5.0	021		F	R99	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010594	Handover	see NP-010356/357
NP-010288	revised	29.010	4.0.0	022		A	Rel-4	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010595	Handover	see NP-010356/357
NP-010288	revised	29.010	3.5.0	023		F	R99	Addition of allowed UMTS algorithms indication to the handover procedures	N4	N4-010596	Handover	see NP-010356/357
NP-010288	revised	29.010	4.0.0	024		A	Rel-4	Addition of allowed UMTS algorithms indication to the handover procedures	N4	N4-010597	Handover	see NP-010356/357
NP-010288	revised	29.010	3.5.0	025		F	R99	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010598	Handover	see NP-010356/357
NP-010288	revised	29.010	4.0.0	026		A	Rel-4	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010599	Handover	see NP-010356/357



Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010288	revised	29.010	3.5.0	027		F	R99	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4	N4-010602	Handover	see NP-010356/357
NP-010288	revised	29.010	4.0.0	028		A	Rel-4	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4	N4-010603	Handover	see NP-010356/357
NP-010289	revised	29.002	3.8.0	225	3	F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010727	Handover	revised to NP-010345/346
NP-010289	revised	29.002	3.8.0	226	4	F	R99	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010729	Handover	revised to NP-010345/346
NP-010289	revised	29.002	4.3.0	239	3	A	Rel-4	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010728	Handover	revised to NP-010345/346
NP-010289	revised	29.002	4.3.0	241	3	A	Rel-4	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010730	Handover	revised to NP-010345/346
NP-010289	revised	29.002	3.8.0	242	3	F	R99	Addition of allowed UMTS algorithm indication to the handover procedures	N4	N4-010732	Handover	revised to NP-010345/346
NP-010289	revised	29.002	3.8.0	243	3	F	R99	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010734	Handover	revised to NP-010345/346
NP-010289	revised	29.002	4.3.0	244	3	A	Rel-4	Addition of allowed UMTS algorithm indication to the handover procedures	N4	N4-010733	Handover	revised to NP-010345/346
NP-010289	revised	29.002	4.3.0	245	3	A	Rel-4	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010735	Handover	revised to NP-010345/346
NP-010289	revised	29.002	3.8.0	255	2	F	R99	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4	N4-010736	Handover	revised to NP-010247
NP-010289	revised	29.002	4.3.0	256	2	A	Rel-4	Addition of GSM channel type and GSM chosen channel indications to handover procedures	N4	N4-010737	Handover	revised to NP-010247
NP-010289	revised	29.002	3.8.0	269		F	R99	Correction to description of RNCId parameter	N4	N4-010632	Handover	revised to NP-010345/346
NP-010289	revised	29.002	4.3.0	270		A	Rel-4	Correction to description of RNCId parameter	N4	N4-010633	Handover	revised to NP-010345/346
NP-010289	revised	29.002	3.8.0	271		F	R99	Correction to Encryption Information and Integrity Protection Information parameters	N4	N4-010634	Handover	revised to NP-010345/346

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010289	revised	29.002	4.3.0	272		A	Rel-4	Correction to Encryption Information and Integrity Protection Information parameters	N4	N4-010635	Handover	revised to NP-010345/346
NP-010292	revised	24.080	4.0.0	009		F	Rel-4	OTDOA location method to be added	N4	N4-010665	LCS1	revised to NP-010347
NP-010292	revised	29.002	4.3.0	268	3	B	Rel-4	MS presence notification procedure for LCS	N4	N4-010783	LCS1	revised to NP-010347
NP-010346	revised	29.002	3.8.0	225	3	F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010727	Handover	revised to NP-010358/359
NP-010346	revised	29.002	3.8.0	226	4	F	R99	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010729	Handover	revised to NP-010358/359
NP-010346	revised	29.002	4.3.0	239	3	A	Rel-4	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010728	Handover	revised to NP-010358/359
NP-010346	revised	29.002	4.3.0	241	3	A	Rel-4	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010730	Handover	revised to NP-010358/359
NP-010346	revised	29.002	3.8.0	242	3	F	R99	Addition of allowed UMTS algorithm indication to the handover procedures	N4	N4-010732	Handover	revised to NP-010358/359
NP-010346	revised	29.002	3.8.0	243	3	F	R99	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010734	Handover	revised to NP-010358/359
NP-010346	revised	29.002	4.3.0	244	3	A	Rel-4	Addition of allowed UMTS algorithm indication to the handover procedures	N4	N4-010733	Handover	revised to NP-010358/359
NP-010346	revised	29.002	4.3.0	245	3	A	Rel-4	Addition of selected GSM algorithm indication to the handover procedures	N4	N4-010735	Handover	revised to NP-010358/359
NP-010346	revised	29.002	3.8.0	269		F	R99	Correction to description of RNCId parameter	N4	N4-010632	Handover	revised to NP-010358/359
NP-010346	revised	29.002	4.3.0	270		A	Rel-4	Correction to description of RNCId parameter	N4	N4-010633	Handover	revised to NP-010358/359
NP-010346	revised	29.002	3.8.0	271		F	R99	Correction to Encryption Information and Integrity Protection Information parameters	N4	N4-010634	Handover	revised to NP-010358/359
NP-010346	revised	29.002	4.3.0	272		A	Rel-4	Correction to Encryption Information and Integrity Protection Information parameters	N4	N4-010635	Handover	revised to NP-010358/359
NP-010266	rejected	23.009	3.6.0	028	1	F	R99	Priority selection criteria of calls in a multical	N1	N1-010816	Multicall	Referred back to CN1-CN4

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
NP-010266	rejected	23.009	4.0.0	029	1	A	Rel-4	Priority selection criteria of calls in a multicall	N1	N1-010817	Multicall	Referred back to CN1-CN4
NP-010266	rejected	23.009	3.6.0	038		F	R99	Priority selection criteria of calls in a multicall	N1	N1-010826	Multicall	Referred back to CN1-CN4
NP-010266	rejected	23.009	4.0.0	039		A	Rel-4	Priority selection criteria of calls in a multicall	N1	N1-010827	Multicall	Referred back to CN1-CN4
NP-010314	rejected	23.078	3.8.0	304	1	F	R99	Indication of gsmSCF Address in Continue GPRS and Connect GPRS lfs	N2	N2-010472	CAMEL Ph 3	
NP-010314	rejected	23.078	4.0.0	305		A	Rel-4	Indication of gsmSCF Address in Continue GPRS and Connect GPRS lfs	N2	N2-010473	CAMEL Ph 3	
NP-010314	rejected	29.078	3.7.0	183	1	F	R99	Indication of gsmSCF Address in Continue GPRS and Connect GPRS lfs	N2	N2-010474	CAMEL Ph 3	
NP-010314	rejected	29.078	4.0.0	184		A	Rel-4	Indication of gsmSCF Address in Continue GPRS and Connect GPRS lfs	N2	N2-010475	CAMEL Ph 3	
NP-010315	rejected	23.078	3.8.0	296	3	F	R99	Introduction of Reference Number for MO-SMS	N2	N2-010444	CAMEL Ph 3	
NP-010315	rejected	23.078	4.0.0	300		A	Rel-4	Introduction of Reference Number for MO-SMS	N2	N2-010445	CAMEL Ph 3	
NP-010315	rejected	29.078	3.7.0	175	2	F	R99	Introduction of Reference Number for MO-SMS	N2	N2-010447	CAMEL Ph 3	
NP-010315	rejected	29.078	4.0.0	182		A	Rel-4	Introduction of Reference Number for MO-SMS	N2	N2-010448	CAMEL Ph 3	
NP-010316	rejected	23.078	3.8.0	298	1	F	R99	Inclusion of warning note for the reporting of total duration or volume for GPRS	N2	N2-010459	CAMEL Ph 3	
NP-010316	rejected	23.078	4.0.0	303		A	Rel-4	Inclusion of warning note for the reporting of total duration or volume for GPRS	N2	N2-010460	CAMEL Ph 3	
NP-010317	rejected	29.078	3.7.0	185		F	R99	Use of the GPRS Reference in the case of the SCP load sharing	N2		CAMEL Ph 3	
NP-010317	rejected	29.078	4.0.0	186		A	Rel-4	Use of the GPRS Reference in the case of the SCP load sharing	N2		CAMEL Ph 3	
NP-010345	rejected	29.002	3.8.0	225	3	F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010727	Handover	was NP-010289
NP-010345	rejected	29.002	3.8.0	226	4	F	R99	Addition of allowed GSM algorithms indication to the handover procedures	N4	N4-010729	Handover	was NP-010289

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

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
APPROVED	2	NP-010225		AGENDA	Draft Agenda for CN#12 Meeting (Stockholm)	MCC	Approved with the addition of IETF Report to Agenda section 4.2
NOTED	2	NP-010227		DAD	Proposed allocation of documents to agenda items: status at 08:30 CN#12_Day1	CN V.Chair	
NOTED	2	NP-010228		DAD	Proposed allocation of documents to agenda items: status at close of business, CN#12_Day1	CN V.Chair	
NOTED	2	NP-010229		DAD	Proposed allocation of documents to agenda items: status at close of business, CN#12_Day2	CN V.Chair	
OPEN	2	NP-010230		DAD	Proposed allocation of documents to agenda items: status at close of business, CN#12_Day2	CN V.Chair	
APPROVED	4.1	NP-010226		REPORT	Draft Report from CN#11 Meeting (Palm Springs)	MCC	The comments received by E-mail have been incorporated into this version. APPROVED to be made the official meeting report of CN#11 meeting
NOTED	4.2	NP-010365		REPORT	3GPP IETF Report	Ileana Leuca	Highlights the main areas of IETF-3GPP collaboration, the results of the last three months and also some recommendations. Some concerns were expressed on the schedule and possible delays with 2543.bis. 3GPP members are asked to provide as much input as possible to avoid delays (at least from our side). Andrew Allen [Motorola] - expressed concerns on the progress of the Security work and the stability of RFCs. Ileana clarified that the IETF are doing a SIP - 3G Security Draft. !! MCC are tasked to identify these IETF dependencies in the WorkPlan !! An update of the report was made following comments from Hannu [CN1 chair]
NOTED	4.2	NP-010397		REPORT	3GPP IETF Report	Ileana Luca	A revised version of the document including timescale information will be presented to the CN WGs. CN Plenary recommends that CN WGs reflect their IETF dependencies in the 3GPP project plan. It will be up to individual WGs to decide if these IETF dependencies are continually updated in the corresponding WIDs / TSs
ENDORSED	5.1	NP-010232	N1-010867	LS IN	Request for info from GSM Europe on 3 digit MNC [N1-010867]	CN1	This LS is the CN1 response to a request from GSM Europe (also seen by SA1). It is provided to CN for information but also endorsement is sought of CN1's responses given to SA. This LS is also relates to the LS in NP-010242 from SPAN11 and another CN1 LS [NP-010233]. CN endorses the comments made by CN1 in this LS. A Response LS OUT [NP-010350] combines text from both NP-010232 and NP-010233.

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
ENDORSED	5.1	NP-010233	[N1-010685]	LS IN	Introduction of new MCCs [N1-010685]	CN1	Relates to LSs IN [NP-010232 and 242]. CN1 was asked to study how the addition of new Mobile Country Code (MCC) would impact the operation of the system. The corresponding scenarios are contained in this LS. CN endorses this information which needs to be sent to several external bodies including ITU-T SG2 (via a member company). Response given in LS OUT [NP-010350]. It was subsequently decided that SPAN11 would act as the conduit to ITU-T SG2.
DISCUSSED	5.1	NP-010234	N4-010702	LS IN	Re. LS to CN1 on Introduction of AMR-WB [N4-010702]	CN4	The principle of introducing a WI to handle WB AMR for Rel-5 was accepted; Hannu asks that the corresponding WID cover all CN work, not just CN1.
DISCUSSED	5.1	NP-010236	N1-010801	LS IN	Indication of Extended uplink TBF capability [N1-010801]	CN1	GERAN propose introduction of the new OPTIONAL feature called "Extended uplink TBF" in the GPRS RLC/MAC protocol. In R97 (a very frozen release). Latest news is that GERAN have withdrawn this CR for R97. CN1 seeks guidance from CN, SA and or GERAN. CN Plenary ENDORSE the CN1 position of not introducing the change for earlier releases.
DISCUSSED	5.1	NP-010237	N4-010696	LS IN	Re. to RAN3 Highlighting requirements for SRNS relocation with TrFO [N4-010696]	CN4	In this LS, CN4 requests RAN3 to complete the Rel-4 work on OoBTC as well as seeking guidance from SA. CN4 has a strong preference that the RAN3 will complete the required standardization tasks. Iain Sharp [Nortel] had some reservations on statement of NO PROGRESS in RAN, suggested checking with RAN3 delegates to see what is being done. This LS has also been sent to SA, and it is expected that the issue will be resolved in that meeting.
NOTED	5.1	NP-010238	N4-010788	LS IN	Re. To SA4 on introduction of Codec type UMTS_AMR_2 [N4-010788]	CN4	CN1 has not yet made the corresponding change for UMTS_AMR_2. CN asks that they do so. Andrew Allen [Motorola] asked if these CODEC types have been registered with IANA. Yun-Chao clarified that this has not yet been done.
NOTED	5.2	NP-010235	T1-010232	LS IN	Re. LS [NP-010211] on Deletion of Wis with impact on other TSGs [T1-010232]	T1	T1 agree with the proposed WI deletions made at the CN#11 meeting
NOTED	5.2	NP-010239	R3-011267	LS IN	Review of UTRAN O&M procedures TR32.800 [R3-011267]	RAN3	No impact on CN.
NOTED	5.2	NP-010240	T3-010379	LS IN	Rejection of 2G authentication and Key agreement by 3G ME and USIM in UTRAN [T3-010379]	T3	This LS is only for information to CN and it is expected that CN1 will provide the reply to T3. The corresponding CR to 24.008 is available to this meeting (it has not yet seen by CN1).
NOTED	5.2	NP-010243	GP-011420	LS IN	Liaison Statement on "24.008 CR for Classmark Issues [GP-011420]	GERAN	GERAN inform TSG_CN that during the review of CR402r2 & CR403r2 to 24.008 that GERAN2 found an unnecessary change (initially introduced into the CRs by GERAN) which would require all R99 (and Rel 4) single band GSM mobiles to start sending CM3 IE due to the need to set the new 'Single Band' field. This was previously not required. CN Plenary are asked to approve the related CRs (in NP-010277).

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NOTED	5.2	NP-010244	GP-011420	LS IN	24.008 CR for Classmark Issues [GP-011420]	GERAN	GERAN request some consistency in the terminology used by other groups. GERAN ask that "RANS" to be used instead of "RATs" - "UMTS System and GSM System" be avoided. "2G and 2G" be avoided and "2G and 3G Core network" be used instead. Also "GERAN lu mode and UTRAN lu mode" should be used. Similarly, the terms "A/Gb mode and GERAN lu mode" should be used. The CN Working groups are tasked by CN to respect these terms and check that the Rel-5 specification are correctly aligned. Corrective CRs to be produced by the WGs as required.
NOTED	5.2	NP-010344	S4-010436	LS IN	Liaison Re. "AMR-WB on TDM networks via TFO" (Tandem Free Operation) [S4-010436]	SA4	S4 provide some information to enable CN4 to create their WID on AMR-WB. It was previously agreed by CN that CN4 produce this WID for CN#13 meeting. CN agree that CN4 should include the TFO issues in their WID. [Minor error - CN1 ref should be CN4)
NOTED	5.2	NP-010353	R3-011815	LS IN	Requirement of a Subsystem Number for A-GPS Standalone SMLC [R3-011815]	RAN3	This is the justification we need for the CRs in NP-010293
DISCUSSED	5.3	NP-010242		LS IN	Liaison statement to 3GPP CN on Mobile Country Code	SPAN 11	This addresses both 3-digit MNCs and multiple MCCs per country (which is raised in 233). Any response to SPAN11 will be taken back to ITU-T in September. The CN response is given in LS OUT [NP-010350] also to be sent to SA1
APPROVED	5.3	NP-010350		LS OUT	LS on Mobile Country Code and 3 digit Mobile Network Code	CN	
NOTED	5.3	NP-010377		LS IN	Liaison statement to ECTRA and 3GPP on Mobile Virtual Network Operators	SPAN11 WP NAR	Not really the type of question to which TSG_CN can reply. Forwarded to SA#12 for treatment.
NOTED	6.1.1	NP-010260		REPORT	Status Report for TSG CN WG1	CN1 Chair	CN did not support introduction of GTT prior to Rel-5. On the multicall handover issue, Stephen urges offline discussion to reach consensus. If consensus is not reached by the end of this meeting, there will be a vote at the next CN1 meeting
NOTED	6.1.1	NP-010261		REPORT	CN1SIP#04 Meeting Report	CN1	For information only
NOTED	6.1.1	NP-010262		REPORT	CN1 AdHoc Meeting Report	CN1	For information only
NOTED	6.1.1	NP-010263		REPORT	CN1#17 Meeting Report	CN1	For information only
NOTED	6.1.1	NP-010264		LS PACK	All LSs sent from CN1 since TSG CN#11 Meeting (Part1)	CN1	For information only
NOTED	6.1.1	NP-010279		LS PACK	All LSs sent from CN1 since TSG CN#11 Meeting (Part2)	CN1	For information only
NOTED	6.2.1	NP-010304		REPORT	Status Report for TSG CN WG2	CN2 Chair	One omission from the list of new items for CAMEL phase 4 is GPRS ATI
NOTED	6.2.1	NP-010305		REPORT	CN2 CPH AdHoc Meeting Report	CN2	
NOTED	6.2.1	NP-010306		REPORT	CN2#18 Meeting Report	CN2	

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
NOTED	6.2.1	NP-010307		LS PACK#1	LSs sent from CN2 since TSG CN#10 Meeting	CN2	
REJECTED	6.2.2	NP-010308		CN2_LS	LS OUT on introduction of SMS Reference Number for SMS	CN2	As the CRs in 0315 were not approved this LS was rejected.
NOTED	6.3.1	NP-010250		REPORT	Status Report from TSG CN WG3	CN3 Chair	
NOTED	6.3.1	NP-010251		REPORT	Meeting report from CN3#17	CN3	
NOTED	6.3.1	NP-010252		LS PACK	All LSs sent from CN3 since NP#11	CN3	
NOTED	6.4.1	NP-010280		REPORT	CN4 Status Report - Including status reporting on Rel-4/5 progress	CN4 Chair	The two TSs mentioned in section 4 are presented to CN for pre-information only. The CRs on MAP security were produced following the teleconference last week. Iain Sharp [Nortel] asks if these CRs are stable and would like some additional time to review them. Iain Park explained the process that was used to produced these CRs and stressed that he considers them as stable. Stephen Hayes supported this. Iain Sharp mentioned that there were only 4 participating companies and the meeting was held in the week before the CN plenary - which is not usual procedure. Yun Chao added that the delay in getting these CRs was due to the dependency on SA3 output. The approval of the CRs to 29.002 on MAP security NP-[348 & 245] depends on the approval or not of TS 33.200 in SA#12. CN should remain neutral on whether MAP security is in Rel 4 or not. The CRs will be conditionally approved [see docs for condition]
NOTED	6.4.1	NP-010281		REPORT	CN4 meeting report after CN#11	CN4	
WITHDRAWN	6.4.1	NP-010249		REPORT	Moderator's Notes on MAP security Teleconf.	CN4 Chair	WITHDRAWN before presentation
NOTED	6.4.1	NP-010349		REPORT	Moderator's Notes on MAP security Teleconf.	CN4 Chair	Replaces NP-010249
NOTED	6.4.1	NP-010282		REPORT	CN4 Output LSs after CN#11	CN4	
open	6.5.1	NP-010403	NP-010382	LS OUT	Co-ordination of SDO input to ITU-T Q.REF-1	TSG_CN	
open	6.5.1	NP-010402	NP-010383	LS OUT	IMT-2000 References of 3GPP based specifications/standards	ITU-T Ad Hoc	
APPROVED	6.5.1	NP-010324		ToR	Draft update of CN5 ToR for submission to CN#12 for approval	CN5	Has seen at CN#11 meeting but at that time had not been agreed by CN5. This has now been done and the WID has been updated by CN5. The formal liaison to JAIN, SPAN and PARLAY is now shown.
NOTED	6.5.1	NP-010321		REPORT	Chairman's report from CN5	CN5 Chair	

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
NOTED	6.5.1	NP-010322		REPORT	Slide presentation from CN5	CN5 Chair	Several problem areas of co-ordination with other 3GPP groups are identified in slide 10 (SA1, SA2, SA3, SA5, T2). Steve Mecrow points to lack of co-ordination between CN5 and other CN WGs; He gives this as a justification for CN5 joining the other WGs in Brighton in October. Nigel Berry asks how we will maintain alignment between OSA and Parlay when we agree CRs to the OSA specs. Lucas responds that since the OSA meetings are joint CN5/Parlay meetings, CRs developed there will be presented for joint approval to 3GPP and Parlay. However Parlay doesn't have a change control mechanism as flexible as flexible as 3GPP's; we will have to take advantage of the "public enquiry" phase for the Parlay specs. Lucas will have to check what process there is for handling corrections on Parlay specs, to avoid Parlay acting as a brake on the maintenance process in 3GPP. Note that BT are co-host for the October meeting. The hosts are investigating if CN5 can also join the CN joint meetings. CN Plenary encourages CN5 to meet with the other CN WGs whenever possible (within the constraints of meeting with JAIN/PARLAY). Lucas announced his resignation as CN5 chairman, stepping down after the July meeting. Elections will be held for a replacement in the July CN5 meeting. CN Plenary thanked Lucas for his work in CN5.
NOTED	6.5.1	NP-010323		REPORT	Draft Report of CN5#11 meeting 21-24 May 2001, San Diego, CA/USA (N5-010258)	CN5 Chair	
REVISED TO 0383	6.5.1	NP-010381	NP-010378	LS OUT	[DRAFT] Liaison Statement on "IMT-2000 References of 3GPP based specifications/standards"	ITU-T Ad Hoc	Update required to NP tdoc reference
REVISED TO 0381	6.5.1	NP-010378		[LS OUT]	[DRAFT] Liaison Statement on "IMT-2000 References of 3GPP based specifications/standards"	ITU-T Ad Hoc	Nakamura-san points out that to use the March 2001 (TSG #11) as the base line for M.1457 (ITU-R reference recommendation) is going to be over-late, because ITU-R have already put M.1457 to bed, and the next update will be March 2002, by which time the TSG #11 output will be a year old. Stephen thinks up that we didn't agree in the ITU-T ad hoc that we didn't decide to recommend that ITU-R ad hoc use the March 2001 baseline, simply to inform them that ITU-T ad hoc decided to use this baseline; we should therefore remove the second action. Ian Doig wants to know why we decided to take the snapshot from the March 2001 TSGs, rather than waiting for the next version set (after the June 2001 Plenaries), which will be defined a week from now. Stephen points out that the March 2001 snapshot aligns with the PCG announcement of the completion of Release 99. The reference to UE Test and Conformance Specifications should be removed. Second Action point to be removed.
REVISED TO 0402	6.5.1	NP-010383	NP-010381	LS OUT	IMT-2000 References of 3GPP based specifications/standards	ITU-T Ad Hoc	
REVISED TO 0380	6.5.1	NP-010379		REPORT	Draft Meeting REPORT v1.0.0 3GPP TSG_CN ITU T Ad Hoc	ITU-T Convenor	Some editorial and clarifications were made
NOTED	6.5.1	NP-010380	NP-010379	REPORT	Draft Meeting REPORT v1.0.0 3GPP TSG_CN ITU T Ad Hoc	ITU-T Convenor	
REVISED TO 0364	6.5.1	NP-010395		LS OUT	Co-ordination of SDO input to ITU-T Q.REF-1	ITU-T ad hoc Convenor	
REVISED TO 0382	6.5.1	NP-010364	NP-010395	LS OUT	Co-ordination of SDO input to ITU-T Q.REF-1	CN	Some editorials and spelling errors were corrected. Missing attachment will be added.



Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
REVISED TO 0403	6.5.1	NP-010382	NP-010364	LS OUT	Co-ordination of SDO input to ITU-T Q.REF-1	TSG_CN	
NOTED	6.5.1	NP-010396		Q.REF	Q.REF-1 version 3.1 output from the SSG meeting in Geneva 7th to 11th May 2001	ITU-T Coord Ad Hoc	Provided for info. Only
APPROVED	6.6	NP-010368		AGENDA	ITU T Ad Hoc Proposed Agenda	ITU T Ad Hoc Convenor	
NOTED	6.6	NP-010369		REPORT	ITU T Status Report	ITU T Ad Hoc Convenor	Mikko Kanerva [Nokia] highlighted that there is an input doc to SA (from SA5) to the ITU-T (via BT). Yun Chao will check on why this one escaped the coordination's attention.. Ilan Doig - why was is referencing made to the March 01 versions of the R99 Specifications? This was chosen as it seemed to be a fixed and stable. Gary Jones asks how we ensure consistency of referencing from the SDOs' standards, and consistency of interworking between the SDOs and ITU-T. He quotes the method used by the ITU-R ad hoc. Yun-Chao agrees that the ITU-T ad hoc should follow the method used by the ITU-R ad hoc. This has a copy of Q.ref1 appended to it. Q.ref1 is based on Release 99; a new recommendation will be generated to handle references to Rel-4. Harald raises the concern that even the R99 specs are a moving target; how do we define which versions the ITU-T refer to? Gary Jones recommends that we take a snapshot at a specific point in time, include the definitions of the versions at this point in Q.ref1, and include in addition an advisory message to refer to the root specs on the 3GPP database for the latest version. Debate on which version (defined by the TSG meeting) we should use as the baseline; Stephen recommends TSGs #11, because this is the one which fixed R4. We need to ensure that all the SDOs keep in line with this – this needs PCG/OP authority, which would have to meet electronically. Yun Chao added that although he has stepped down as CN4 chair, he is willing to remain as ITU-T ad hoc Convenor.
ENDORSED	6.6	NP-010370		REPORT	ITU T Ad Hoc proposal	ITU T Ad Hoc Convenor	Nakamura-san raises the concern that there could be duplication of references by ITU-R & ITU-T to 3GPP specs, and worse they could be to different versions! Ilan Park suggests ensuring the ITU-R ad hoc and the ITU-T ad hoc provide the same version of each specification which is doubly provided. Yun-Chao suggests that we can propose to ITU-R ad hoc that they use the spec versions as they stood after TSGs #11. Nakamura-san adds that we can raise the warning flag to ITU-T and ITU-R that they run the risk of inconsistent specification sets if they don't synchronize requests from the R & T sectors. Agreed to endorse the proposal in 370.
APPROVED	7.1	NP-010309		CR PACK	CRs to R97-Rel4 WI CAMEL2 &CAMEL3	CN2	
REPLACED BY 0374	7.12	NP-010372		CR	Clarification to REQUEST PDP CONTEXT ACTIVATION	Ericsson	The same CR (and revision) seems to be in 274. Ericsson will produce a new version with the correct revision number.
APPROVED	7.12	NP-010256		CR PACK	CR Pack from CN3 on GPRS	CN3	
REVISED TO 0354	7.2	NP-010320		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack9	NOKIA	Alternative to the simple 'warning' CR in NP-010316 that actually fixes the problem. Ericsson Siemens and Lucent support the Nokia CR. Ericsson and Vodafone have some problems with the format of the CRs although they do support the principle. The wording in the revised CR will be made during an offline session.

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
APPROVED	7.2	NP-010354	NP-010320	CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack9	NOKIA	Minor spell error in CR187r1 to be done when the CRs are implemented: "parameter" => "parameter".
REJECTED	7.2	NP-010316		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack7	CN2	Minimal Approach to CAMEL-GPRS Inclusion of a warning note for the reporting of total duration or volume for GPRS. Alternative to the NOKIA CR in NP-010320 which was APPROVED, hence this Cr is rejected.
APPROVED	7.2	NP-010246		CR	Correction to PDP Context DP description table (table 6.2)	Ericsson	Although these CR have not been agreed by CN2, they have been discussed on e-mail. Lucent supported the CRs. Andy Howell [Motorola] indicated that some 'impact' information on the cover sheets is missing.
APPROVED	7.2	NP-010283		CR PACK	Camel 3	CN4	Sumio [Siemens] - mentioned that the title of one CR has changed and would request that in the future the CR titles be aligned.
APPROVED	7.2	NP-010310		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack1	CN2	
APPROVED	7.2	NP-010311		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack2	CN2	
APPROVED	7.2	NP-010312		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack3	CN2	
APPROVED	7.2	NP-010313		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack4	CN2	
REFERRED BACK TO CN2 FOR FURTHER STUDY	7.2	NP-010314		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack5	CN2	This contains the original CR as approved by CN2. An alternative solution from Siemens is presented in NP-010317. Consensus could not be reached for this, hence the issue was sent back to CN2 for further study.
REFERRED BACK TO CN2 FOR FURTHER STUDY	7.2	NP-010317		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack8	Siemens	Counter proposal from Siemens to the CRs contained within NP-010314. Siemens do not agree with the CRs presented in NP-010314, and have presented this solution to CN plenary in order to get some support / discussion. Sumio explains that the rationale is to avoid a late change to the requirements for the protocol (and the functionality of both SSF and SCF ends). Peter Kobriger says that Ericsson cannot accept the Siemens CR as it stands – the issue will have to be referred back to CN2. Stephen points out that unless we can get consensus we will have to live with the specs as they are.
REFERRED BACK TO CN2 FOR FURTHER STUDY	7.2	NP-010315		CR PACK	CRs to R99 and Rel-4 WI CAMEL3, Pack6	CN2	Siemens objected to this CR for mobile originated terminated SMS. Harald Dettner added that this is the addition of new feature to R99 which is frozen and not allowed (without consensus). Keijo clarified that CN2 could not reach consensus and these CRs were sent to CN plenary for further discussion and guidance. Stephen points out that the WG can always postpone the contribution, which would allow the possibility of a company bringing the issue directly to the plenary. WGs should not bring in such unstable issues under the name of "WG AGREED". Ian Park [Vodafone] said that his company would like to have this feature. Edgar Lycksell [Telia] also supported this feature. Siemens maintained their objection to this R99 CR. It was agreed that this CR would be sent back to CN2 for further study. The Rel-4 CR was not approved to avoid misalignment between R99 and Rel-4

Status	Agenda	TDoc #	Original	Type	Tdoc Title	Source	Discussion
WITHDRAWN BEFORE MEETING	7.3	NP-010245		CR	Alignment of 24.008 authentication procedures with 33.102	Voda, Samsung,	Replaced by 0343
APPROVED	7.3	NP-010343		CR	Alignment of 24.008 authentication procedures with 33.102	Vodafone, Samsung, Lucent Technologies, Nokia	These CRs are in response to an LS from SA3, which could not be treated in the last CN1 meeting, but Vodafone et al have drafted the response, which has been reviewed by email. Edgar Lykell [Telia] mentioned possible problem when the user has a USIM but the HLR hasn't been upgraded.
APPROVED	7.3	NP-010294		CR PACK	Security Enhancements	CN4	
REVISED TO 0355	7.12	NP-010274		CR PACK	CRs to R97 and R99 (with mirror CRs) on Work Item GPRS towards 04.08 and 24.008	CN1	These CRs were agreed within CN1, however there is an Ericsson contribution that proposes an alternative solution [NP-010375]. The CRs 666 and 667 are superseded by the CRs in NP-010375 and are not approved. Agreed to Split this CR Pack All except CRs 24.008-397 & 398 stripped out into NP-010355; CRs 24.008-397 & 398 will either be referred back to CN1 with NP-010375 or rejected because they're superseded by NP-010375.
APPROVED	7.12	NP-010355	NP-010274	CR PACK	CRs to R97 and R99 (with mirror CRs) on Work Item GPRS towards 04.08 and 24.008 Excluding the contentious CRs (now in 0375)	CN1	Contains all CRs from NP-010274 except CRs 24.008-397 & 398.
REPLACED BY 0374	7.12	NP-010373		CR	Clarification to REQUEST PDP CONTEXT ACTIVATION	Ericsson	The same CR (and revision) seems to be in 274. Ericsson will produce a new version with the correct revision number.
REVISED TO 0375	7.12	NP-010374		CR	Clarification to REQUEST PDP CONTEXT ACTIVATION	Ericsson	Merge of 372 and 373. Minor Error in cover sheet - document revised
REFERRED BACK TO CN1 FOR FURTHER STUDY	7.12	NP-010375	NP-010374	CR	Clarification to REQUEST PDP CONTEXT ACTIVATION	Ericsson	Merge of 372 and 373. Change in 6.1.3.1.2 needs to use the 'shall' term. Companies (Lucent/Siemens) requested some more time to review until the end of the meeting. After review, Siemens agreed to the principles, but requested the technical aspects be further studied in CN1
APPROVED	7.13	NP-010287		CR PACK	GTP Enhancement	CN4	
APPROVED	7.14	NP-010270		CR PACK	CRs to R99 (with mirror CR) on Work Item Handover towards 23.009	CN1	Ian Park mentioned that CN4 has 2nd respo for 23.009 they have NOT seen and reviewed the CRs. Ivan considered that these CRs need CN4 review. These CRs are conditionally approved - on the condition that CN4 have no objections. The CRs were sent (by MCC) to CN4 e-mail for approval by 12:00 25th June. If there are objections from CN4 the CR will not be considered approved by CN (hence not implemented by MCC). <b>THESE CRs WERE SUBSEQUENTLY APPROVED BY E-MAIL</b>
SPLIT INTO 0351 and 0352	7.14	NP-010277		CR PACK	CRs to R99 (with mirror CRs) on Work Item GSM / UMTS interworking towards 24.008 and 23.122	CN1	Because of the GERAN alternative CRs - this pack was split into two parts - NP-010351 the GERAN CRs - NP-101352 the remaining CRs from NP-010277
APPROVED	7.14	NP-010351	NP-010277	CR PACK	Extracted GERAN CRs [from NP-010277]	CN1	

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
APPROVED	7.14	NP-010352	NP-010277	CR PACK	Remaining CRs [from NP-010277]	CN1	
SPLIT INTO 0356 and 0357	7.14	NP-010288		CR PACK	Handover	CN4	Yun-Chao raises the possible problem of linkage to 23.009 CRs which have different numbers from those shown in the cover sheets. CRs 19, 20, 21 and 22 are linked to the CRs to TS 23.009 in NP-010270. Remaining [23-28] CRs are not controversial and are revised into 0356 Linkage reference needed to be corrected. <b>CRs in 0270 WERE APPROVED BY E-MAIL</b>
APPROVED	7.14	NP-010356	NP-010288	CR PACK	Handover	CN4	Parts of NP-010288
APPROVED (LINK CHECK)	7.14	NP-010357	NP-010288	CR PACK	Handover	CN4	Parts of NP-010288. The Technical content of these CRs is APPROVED. However there is linkage to the CRs contained in NP-010270. The status of those CRs will need to be checked by MCC before implementing the CRs contained in NP-010357. <b>CRs in 0270 WERE APPROVED BY E-MAIL</b>
SPLIT TO 0345 and 0346	7.14	NP-010289		CR PACK	Handover	CN4	Separated to be replaced by NP-010345 and 346
APPROVED	7.14	NP-010247		CR	CR to 29.002 on Addition of GSM channel type and GSM chosen channel indications to handover procedures	NOKIA	This provides an alternative solution to the original Nokia CRs in NP-010345 where there was an error.
REJECTED	7.14	NP-010345		CR PACK	Handover [2 CRs]	CN4	As the CRs in NP-010247 were approved these we REJECTED
SPLIT INTO 0358 and 0359	7.14	NP-010346		CR PACK	Handover [several CRs]	CN4	CRs 225, 239 and 243 and 245 are linked to the CRs in NP-010270. This pack will be split into dependant and non-dependant CRs.
APPROVED	7.14	NP-010358	NP-010346		Handover [several CRs]		Contains all CRs from NP-010346 except 225, 239, 243 & 245
APPROVED (LINK CHECK)	7.14	NP-010359	NP-010346		Handover [several CRs]		Contains CRs 29.002-225, 239, 243 & 245 from 346. The Technical content of these CRs is APPROVED. However there is linkage to the CRs contained in NP-010270. The status of those CRs will need to be checked by MCC before implementing the CRs contained in NP-010359. <b>CRs in 0270 WERE APPROVED BY E-MAIL</b>
APPROVED	7.16	NP-010272		CR PACK	CRs to R98 (with mirror CRs) on Work Item LCS towards 24.008	CN1	
APPROVED	7.16	NP-010290		CR PACK	Location Services	CN4	
APPROVED	7.16	NP-010291		CR PACK	Location Services	CN4	

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
REFERRED BACK TO CN1 + CN4 FOR FURTHER STUDY	7.18	NP-010266		CR PACK	CR sets (one set to be decided) to R99 (with mirror CR) on Work Item Multicall towards 23.009	CN1	The differences of opinion on Multicall could not be resolved in the CN Plenary and these CRs are referred back to CN1 for resolution. It was not possible to VOTE on Multicall in CN#12 as it was not previously announced in the Agenda. Ian Park added CN4 have secondary respo. of 23.009 and need to be involved in the voting process. Hannu added that CN1 will discuss the R99 issues in the August meeting (and are not co-located with CN4 until October). Yun Chao thought that resolution of a R99 issue in Dec 2001 plenary is not acceptable. It was proposed that a joint session (CN1/CN4) will take place to discuss this during the CN1 meeting in Helsinki [Aug 22-26]. CN4 are invited to attend this meeting and a VOTE may be required. Complete sets of Draft CRs for BOTH solutions need to be available before this joint session as a basis for the eventual discussions.
APPROVED	7.18	NP-010296		CR PACK	Multicall	CN4	
APPROVED	7.20	NP-010255		CR PACK	CR Pack on from CN3 CS Data Bearers	CN3	
APPROVED	7.22	NP-010267		CR PACK	CRs to R99 and Rel-4 on Work Items TEI and TEI4 towards 24.008	CN1	
APPROVED	7.22	NP-010275		CR PACK	CRs to R98 and R99 (with mirror CRs) on Work Item TEI towards 04.08, 24.008 and 23.122.- pack 1	CN1	
APPROVED	7.22	NP-010276		CR PACK	CRs to R99 (with mirror CRs) on Work Item TEI towards 23.122, -pack2	CN1	
APPROVED	7.22	NP-010286		CR PACK	TEI	CN4	
APPROVED	7.22	NP-010298		CR PACK	TEI	CN4	
APPROVED	7.22	NP-010299		CR PACK	TEI	CN4	
APPROVED	7.23	NP-010325		LIST	R99 CR to Open Service Architecture; Application Programming Interface - Part 1 (29.198)	CN5	
APPROVED	8.3	NP-010257		CR PACK	CR Pack from CN3 CSSPLIT	CN3	Clarification: the IANA request has been initiated but is not yet complete. Yun Chao said that a similar request was made in Nov 2000, and that has yet to be finalized, although Ian Park added that the identifier is now Public and Stable. Yun Chao suggested getting some sort of relationship with IANA. Stephen said he would present this issue to the PCG in an attempt to get some support. Nigel Berry [Lucent] asks whether this can be raised by email – Stephen warns that a decision will have to wait until the next physical PCG meeting in October.
APPROVED	8.3	NP-010284		CR PACK	Bearer Independent CS architecture	CN4	

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
NOTED	8.3	NP-010342		REPORT	Report: Lucent Technologies recommendation regarding issue of checksums and CRCs for SCTP	Lucent Technologies	This issue has been discussed at some length on the SIGTRAN mailing list and Lucent felt it useful to present it to CN. Warning that IETF are bringing out a new version of SCTP, which is not backward compatible with the current version; this needs to be studied in CN4. Peter Kobringer clarified that there is topic is under discussion in the IETF and is not yet finalized. This needs to be tracked. We should keep the reference to the existing RFC (2960), and monitor the situation to see whether we need to update the reference. Yun-Chao points out that RFC references are by definition specific, because when a new version comes out it has a new RFC number. Peter K thinks this needs to be managed in IETF, rather than in CN4. Stephen wants to avoid re-discussing IETF issues in 3GPP; however we should monitor the situation. He asks companies represented in CN4 to provide inputs to CN4 when they think it's needed. Yun-Chao points out that CN4 are already keeping an eye on SIGTRAN for M3UA and SUA, so they can also monitor SCTP! It was asked that this issue is followed closely by the IETF experts within CN4. Also Ileana [IETF coordinator] will be asked to track this.
APPROVED	8.5	NP-010326		TS	Draft 3GPP TS 29.198-4 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control (Release 4)	CN5	This TS is at least 80% complete. APPROVED to be made v4.0.0 and placed under change control.
APPROVED	8.5	NP-010327		TS	Draft 3GPP TS 29.198-11 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API); Part 11: Account Management (Release 4)	CN5	This TS is at least 80% complete. APPROVED to be made v4.0.0 and placed under change control.
APPROVED	8.5	NP-010328		TS	Draft 3GPP TS 29.198-12 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API); Part 12: Charging (Release 4)	CN5	This TS is at least 80% complete. APPROVED to be made v4.0.0 and placed under change control.
APPROVED	8.5	NP-010329		TR	Draft 3GPP TR 29.998-5-4 V2.0.0 (2001-06): Open Service Access (OSA); Application Programming Interface (API) Mapping for OSA; Part 5	CN5	This TR is at least 80% complete. APPROVED to be made v4.0.0 and placed under change control.
APPROVED	8.5	NP-010330		CR PACK	Rel4 CRs to Open Service Architecture (OSA); Application Programming Interface (API) (29.198 -1, -2, -3, -5, -6, -7, -8)	CN5	
DISCUSSED	8.5	NP-010332		CR	Request for approval 'in principle' of a Rel4 CR to 29.198-series for "OSA Return Parameter handling"	CN5	CN5 asks that the Rel-4 CRs be provided to CN and approved by email over the Summer period. (due to the amount of work remaining to be resolved in the July CN5 meeting). Due to the fact that CN5 need to align these changes with the PARLAY specifications, CN Plenary AGREED in Principle that this is the way forward and expect CN5 to provide the corresponding CRs in September. Ian Doig [Motorola] commented that 3GPP cannot be obliged to approve changes because of work obligations within SPAN/PARLAY. If this was the case we should simply reference the ETSI / PARLAY specs. Adrian Zoicas added that 3GPP work is only a SUBSET of the overall set of specifications. CN Plenary #12 meeting endorsed 'in principle' decision on replacing the single out parameter for each OSA method with a return type for that method, to ensure that OSA is easy for application developers to implement. However this does not mean that CN#13 meeting will "automatically" agree to the corresponding CRs.

Status	Agenda	TDoc #	Original	Type	Tdoc Title	Source	Discussion
APPROVED	8.5	NP-010333		CR	Rel4 CR to OSA; API; Part 2: Common Data Definitions (29.198-2)	CN5	
APPROVED	8.5	NP-010371		CR	CR to OSA API Mapping (TR 29.998-4-1)	CN5	
WITHDRAWN	8.5	NP-010398		TS	3GPP TS 29.198-4 V2.0.0 (2001-06)	CN5	Duplicate of NP-010326
WITHDRAWN	8.5	NP-010399		TS	3GPP TS 29.198-11 V2.0.0 (2001-06)	CN5	Duplicate of 327
WITHDRAWN	8.5	NP-010400		TS	3GPP TS 29.198-12 V2.0.0 (2001-06)	CN5	Duplicate of 328
WITHDRAWN	8.5	NP-010401		TS	3GPP TR 29.998-5-4 V2.0.0 (2001-06)		Duplicate of NP-010329
APPROVED	8.6	NP-010297		CR PACK	Transcoder Free Operation	CN4	
REVISED TO 0347	8.8	NP-010292		CR PACK	Location Service Enhancements	CN4	Should be a CAT F with consequences if not approved set to "misalignment between stage 2 & stage 3"
APPROVED	8.8	NP-010347	NP-010292	CR PACK	Location Service Enhancements	CN4	The cover sheet (NP-010347) shows the 29.002 CR as category B but it should be F. Peter Kobriger points out that the 25.413 CR to which CR 29.002-268r3 refers hasn't been approved by RAN3 - CR 29.002-268r3 can fall as a consequence (not the same as rejection). Yun-Chao will track down the identity of the CR to 25.413 so it can be put into the CN meeting report. Yun-Chao points to some other cases where we have quoted "Other specifications affected" but only give the spec number. David B points to the CR cover template not mandating the inclusion of the CR number. If the CR number is missing, this means that the MCC has to do a good deal of research work to identify the linked CR. Ian Park suggested that we could try to get early allocation of CR numbers across all WGs; David B points out that CN3 do late allocation; similar in RAN and SA1! Decision to draft an LS to all other TSGs to ask them to "recommend" to their WGs that they use early CR number allocation. [NP-010362].
WITHDRAWN BEFORE MEETING	8.10	NP-010248		CR	CR to 29.002 on Map Security	CN4_ad hoc	Replaced by 0348
APPROVED	8.10	NP-010348		CR	CR to 29.002 on Map Security	CN4_ad hoc	These CRs to 29.002 are applicable if SA#12 APPROVES TS 33.200. Hence these CRs are approved on the CONDITION that TS 33.200 is APPROVED in SA#12. <b>!!! TS 33.200 was subsequently APPROVED in SA#12 the following week !!!</b> Note:- Alternative solution provided in NP-010259.

Status	Agenda	TDoc #	Original	Type	Tdoc Title	Source	Discussion
REJECTED	8.10	NP-010259		CR PACK	Security Enhancements	CN4	<p>These CRs to 29.002 are approved on the CONDITION that SA#12 DOES NOT APPROVE TS.33.200.</p> <p><b>!!! TS 33.200 was subsequently APPROVED in SA#12 the following week -</b> Hence these are REJECTED !!!</p> <p>Harald Dettner [Siemens] mentioned the problems of having REQUIREMENTS so late for Rel-4, and hopes a solution will be found to avoid this in the future.</p> <p>Nigel Berry [Lucent] mentioned that SA3 are producing Stage3 specifications for LEGAL INTERCEPT.</p> <p>Stephen will carry the message to SA plenary that CN has problems with the delays on provision of Security requirements from SA3.</p> <p>Stephen also mentioned the 3GPP WorkPlan is a good way of flagging dependencies and delays from SA3.</p> <p>It was suggested that there is some form of handover process/meeting between SA3 and CN WGs [as with SA2 - QoS].</p>
APPROVED	8.10	NP-010295		CR PACK	Security Enhancements	CN4	
APPROVED	8.11	NP-010269		CR PACK	CRs to Rel-4 on Work Item ASCI towards 44.068/44.069 towards 23.009	CN1	
APPROVED	8.12	NP-010271		CR PACK	CRs to Rel-4 on Work Item TEI4 towards 44.064 and 24.008	CN1	CAT Error [on Coverpage only]
APPROVED	8.13	NP-010273		CR	CR to Rel-4 on Work Item GERAN improvements #4 towards 24.008	CN1	<p>Andy Howell [Motorola], Extended uplink TBF may now be mandatory in Rel-4, and this needs to be checked with GERAN before these CRs can be approved.</p> <p>Iain Sharp said that we have no clear indication of this from GERAN and we should go ahead and approve this CR.</p>
APPROVED	8.13	NP-010285		CR PACK	SS7 Signalling Transport in Core Network	CN4	Reminder to MCC person implementing this (Kimmo), the notes in the tables need to be formatted as NOTES not in-line text.
WITHDRAWN	8.19	NP-010367		DISCUSSION DOC	Handling of security CRs	Siemens	<p>The document proposes having implicit approval of a "re-working" CR to re-introduce MAP security in a Rel-5 version of MAP.</p> <p>Stephen points to the penalty that we would have to maintain a Rel-5 version of MAP; Ian Park also highlighted the risk that TS 33.200 might change if it's not approved by SA#12, and CN would have to modify MAP again</p>
NOTED	9.1	NP-010278		TS	Draft specification 3GPP TS 24.228 v1.0.0	CN1	For information only
NOTED	9.1	NP-010303		TS	3GPP TS 29.228 Version 0.1.0 - IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	CN4	NOTE: this is not 29.228 v1.0.0 [as indicated in the document] but in fact only v.0.1.0. It is presented to CN#12 for pre-information only. V1.0.0 is still to be produced by CN4.
REFERRED BACK TO CN5 FOR FURTHER STUDY	9.4	NP-010331		WID	Rel5 OSA Stage 3 - Draft Building Block level Work Item Description (N5-010261)	CN5	<p>WID for the Stage 3 work on Rel5 OSA.</p> <p>Nigel Berry requested a clearer indication of the way this (BB) WI is linked to other WIs. Adrian Zoicas [MCC] points to the statement that this BB has two parent features: VHE enhancements &amp; OSA enhancements.</p> <p>David B. [MCC] points to the need for editorial clean-up. More work is needed to get the WID into decent shape.</p> <p>As CN is not presently aware of SA1 requirements for OSA Rel-5, Stephen proposed sending this back to CN5 and hopes to see it presented to CN#13 including the input from SA1.</p>



Status	Agenda	TDoc #	Original	Type	Tdoc Title	Source	Discussion
APPROVED	9.5	NP-010318		WID	WID for CAMEL4	CN2	Interaction between CAMEL and IMS legacy services
APPROVED	9.7	NP-010293		CR	Location Service Enhancements	CN4	There is a related LS from RAN3 [NP-010353], where they confirm they require this new SSN.
REVISED TO 363	9.8	NP-010254		WID	WID on end to End QoS Stage 3	CN3	CN3 will have the lead on this WI, and the other CN WGs will provide the CRs to their own specs. as required. Norbert Klehn [CN3 chair] proposed joint sessions between CN1, CN4 and CN4 on these QoS issues. Hannu [CN1 chair] supports this approach – he wants CN3 to be proactive rather than rely on an individual company bringing a contributions. Steve Mecrow [BT] - In the term "End to end", the ends are terminating points - this needs to be clarified in the WID. Also dependencies in ITU-T IETF are not shown. Gary Schlanger mentioned that limiting the WI to the Go interface is not the best way, and suggested some more general text. Linked WIs must include SIP call control. It is CN3s understanding that QoS information needs to be added to TS 24.228. Hannu mentioned that we need to add the CN1 Work Tasks that sit under this QoS B-B. The IETF dependencies will need to be tracked and also shown on the WorkPlan. Daisuke [Lucent] clarified that COPS has already the RFC status.
APPROVED	9.8	NP-010363	NP-010254	WID	WID on end to End QoS Stage 3	CN3	
APPROVED	9.13	NP-010268		CR PACK	CR to Rel-5 on Work Item GTT towards 24.008	CN1	
APPROVED	9.13	NP-010300		CR PACK	TEI	CN4	Should possible not be placed under TEI. However Ian Park stated that with the approval of these CRs the work is complete and it is not worth generating a WID for this
APPROVED	9.13	NP-010301		WID	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	CN4	Change in the WID timescales moving delivery of the TS 29.903 until CN#13.
REVISED TO 0360	9.13	NP-010302		TR	3GPP TR 29.903 Version 0.1.0 - Feasibility Study on SS7 Signalling transport in the core network with SUA	CN4	NOTE: this is not 29.903 v1.0.0 [as indicated in the document] but in fact only v.0.1.0. It is presented to CN#12 for pre-information only. V1.0.0 is still to be produced by CN4.
REVISED TO 0361	9.13	NP-010360	NP-010302	TR	3GPP TR 29.903 Version 0.1.0 - Feasibility Study on SS7 Signalling transport in the core network with SUA	CN4	Error in History Box
NOTED	9.13	NP-010361	NP-010360	TR	3GPP TR 29.903 Version 0.1.0 - Feasibility Study on SS7 Signalling transport in the core network with SUA	CN4	Presented as pre-information
WITHDRAW N	9.13	NP-010258		TR	TR29.903 SUA Feasibility Study (Rel-5)	Motorola	Update of NP-010302, presented by Motorola (not reviewed in CN4)

Status	Agenda	TDoc #	Original	Type	Tdoc Title	Source	Discussion
NOTED	10.4	NP-010366		DISCUSSION DOC	Handling of SIP +	Siemens	The issue of SIP+ work allocation has been discussed on the leaders email list. Initial ideas on the ownership of SIP+ [TO BE KNOWN AS ISC] was with CN4. This Siemens document proposes to house this work in CN1. Ian Park had concerns that allocating the service control work to CN1 would result in a serious overload of one CN WG. Peter Kobringer [Ericsson] supported this view, adding that this would require CN1 to form additional Sub-WGs adding overhead. Andrew Allen [Motorola] supported allocating the work to CN1, stating that initial discussions within SA2 point toward SIP+ as the solution and the expertise for this is within CN1. TS 23.218 would be the starting point for this work, and Andrew did not support allocating the work to CN4 at this time (when SA2 will be looking at the solutions in 2 weeks time). Hannu also did not want to pre-empt the decisions presently underway in SA2. Generally the meeting supported NOT allocating this work to CN4 and/or CN1). Prefer to await the SA2 decision on protocol to be used. Stephen added that SA2 should not provide a protocol choice only a set of requirements, and allow CN to choose the protocol. All work on this will be housed in the joint CN WG sessions. (ISC topics). Yun Chao asked that CN also look beyond the ISC interface. Stephen will hi-light the urgency on SA2 defining this protocol or requirements in his report to SA#12.
APPROVED	10.4	NP-010362		LS OUT	LS to TSG_RAN TSG_T, TSG_SA and TSG_GERAN on Allocation of CR numbers.	CN	Ian Doig [Motorola] clarified that some WGs do not pre-allocate CRs due to the fact that this creates large gaps in the CR numbering. Neils Anderson added the GERAN comply to this practice. It has an additional advantage of allowing tracking POSTPONED CRs across meetings avoiding CRs being lost. Also Neil's prefers including all CRs (APPROVED or NOT) in the CR dBase avoiding the large gaps. Nigel Berry [Lucent] proposed making this mandatory. Ian Park said IF SA support this principle it could be done via CRs to TS21.900. Niels added that the CR database should record what happens to all CRs, including those which are rejected before they reach the TSG (hence eliminating large gaps in dbase).
APPROVED	10.5	NP-010376		CALENDAR	Proposed Schedule for 2002 CN Plenary and Joint WG Meetings	CN Chairman	Ian Park, asked that future hosts try to hold meetings in locations with GSM coverage (when available in the hosting country). Edgar Lycksell points to the fact that we're working on a global initiative, so we should be prepared to go to Korea and Japan. Andrew Allen adds that if there isn't GSM coverage the hosts could research and suggest alternative services. There was also support to bring CN5 into the co-located meetings as much as possible. However CN5 have PARLAY/JAIN/SPAN dependencies and it would be good to get some CN5 input to other CN WGs. CN encourages CN5 to co-locate as often as possible with the other CN WGs. Additional info: - SONERA will host the Aug. meeting - Japanese Friends of 3GPP will host the Nov. meeting NA Friends of 3GPP will host 2 meetings on 2002 The CN meeting schedule for 2002 was agreed.
NOTED	11	NP-010334		CR	CR to 01.01: "GSM Release 1999 specifications.	JMM, MCC	SALSA specification is listed in our specification list for GSM and UMTS. SALSA is for GSM only. JMM clarified that these errors are due to incorrect feedback from the WGs responsible for the specifications [and will be corrected].
NOTED	11	NP-010335		LIST	Status list prior to meeting	JMM, MCC	A revised version will be created following the e-mail approval of CN Crs on 25th June.
NOTED	11	NP-010336		TS	CR to 21.101: "Correction to list of specs"	JMM, MCC	
NOTED	11	NP-010337		TS	CR to 21.102: "Correction to list of specs"	JMM, MCC	

Status	Agenda	TDoc #	Origina	Type	Tdoc Title	Source	Discussion
NOTED	11	NP-010338		TS	1st draft 21.103: "3rd Generation mobile system Release 5 Specifications"	JMM, MCC	First Draft aimed for approval at SA#14. Nigel hi-lighted this Rel-5 specification list contains also Rel-4 specifications. JMM this will be corrected.
NOTED	11	NP-010339		TS	CR to 41.102: "GSM Release 4 Specifications"	JMM, MCC	Ian Doig [Motorola] raises a concern about the deletion of 11.10 parts 2, 3 & 4; we need to be sure that the TTCN tests are specified. Andrew Howell [Motorola] points out that 51.010 for Release 4 is supposed to cover the tests for R99. JMM will add a note below the table to point to the later version. Andrew H proposes that 11.10 parts 2, 3 & 4 for R99 should continue to exist, but contain pointers to 51.010.
NOTED	11	NP-010340		TS	1st draft 41.103: "GSM Release 5 Specifications"	JMM, MCC	
NOTED	11	NP-010341		LIST	Spec numbers and titles	JMM, MCC	
APPROVED	12	NP-010231		WORK PLAN	Latest Version of 3GPP Work plan	MCC	Hannu [CN1 Chair] task 1296 should have CN3 as the lead WG; task 1652 should have Per Johan Jorgensen as MCC responsible; why have 2 WIs for emergency call – 1652 & 2527? Stephen H responds that this was done to decouple the "SIM"less emergency call from the timing of Release 5. Hannu also asks what the procedure is to delete the WIs which are marked "to be deleted" David B [MCC] points out that this maintains visibility of defunct work items – if we actually delete them, they disappear without trace.
NOTED	12	NP-010241		WORK PLAN	Slide Presentation of Work Plan	MCC	Stephen Hayes asked for views on whether we can expect our work on the IMS to be complete by December 2001. Hannu [CN1 chair] suggested that we need to define the minimum usable subset of IMS before we can decide on the expected completion date. Stephen urged WGs to consider the work plan, especially timescales and dependencies for the tasks they have to manage, and provide feedback to CN plenary#13. We also need to consider what is essential and what is "nice to have". Steve Mecrow asked for WGs to do specific reports on each WI which they are running. David B. identified the WG chairman's report as an additional means of identifying potentially late items.
NOTED	12	NP-010253		WORK PLAN	Updates to Workplan from CN3	CN3	
NOTED	12	NP-010265		WORK PLAN	Updates to Work-Plan from CN1	MCC/CN1	
NOTED	12	NP-010319		WORK PLAN	Workplan update from CN2	CN2	

## ANNEX C. TSG\_CN#12 Participants List

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## History

<b>Document History</b>	
<b>19<sup>th</sup> June 2001</b>	DRAFT v0.2.0 Presented to TSG-SA#12 (SP-010354)
<b>26<sup>th</sup> June 2001</b>	DRAFT v1.0.0 send to TSG_CN Officials for comments
<b>04<sup>th</sup> July 2001</b>	<p>DRAFT v1.1.0 dispatched to the TSG-CN mail exploder for comments.</p> <p>Comments to be addressed to:</p> <p>Mr. David Boswarthick, 3GPP TSG CN MCC Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 E-mail: david.boswarthick@ETSI.fr</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> July 2001</b></p>
<b>19<sup>th</sup> Sept 2001</b>	<i>Final v2.0.0 approved at TSG#13 Meeting in Beijing – Made version 3.0.0 and placed to server as the official meeting report.</i>