

Third Generation Partnership Project

DRAFT STATUS REPORT v0.1.0

3GPP TSG-CN#12

Stockholm, Sweden
13th – 15th June, 2001



Hosted by Ericsson

Chairman: Stephen Hayes, Ericsson Inc. Stephen.hayes@ericsson.com
Vice-Chairman: Ian Park, Vodafone. ian.park@vf.vodafone.co.uk
Vice-Chairman: Kunihiko Taya, NEC taya@bk.jp.nec.com
MCC Support: David Boswarthick, ETSI MCC. david.boswarthick@etsi.fr

Table of contents

1	Opening of the meeting.....	4
2	Approval of Agenda	4
3	IPR Declarations	4
4	Items for External Attention.....	4
4.1	For SA Attention.....	4
4.1.1	Liaison on MVNOs.....	4
4.1.2	Guidelines for SDO Input into ITU-T SSG Q.REF-1	4
4.1.3	MAP Application level security	4
4.1.4	Co-ordination of OSA work	4
4.1.5	Transfer of IMS Service Provisioning work.....	4
4.1.6	Workplan Updates	5
4.2	Items for PCG Attention	5
4.2.1	Liaison on deployment of MCC/MNC	5
4.2.2	Guidelines for SDO Input into ITU-T SSG Q.REF-1	5
4.2.3	Expediting IANA Registrations	5
5	Miscellaneous Issues	5
5.1	Selection of Multicall Handover Issue.....	5
5.2	Provisioning of the gsmSCF address in CAMEL Phase 3.....	5
5.3	Introduction of Reference Number for MO SMS	5
5.4	CN5 Chair Elections.....	5
6	Release '99 and earlier Workitems	6
6.1	CAMEL Phase 2	6
6.2	CAMEL Phase 3	6
6.3	Security.....	6
6.4	GPRS	6
6.5	GTP Enhancement	6
6.6	Handover	6
6.7	Location Services.....	6
6.8	Multicall.....	6
6.9	CS Bearers in UMTS.....	6
6.10	TEI.....	6
6.11	OSA.....	6
7	Release 4.....	6
7.1	Evolution of the transport in the CN.....	6
7.2	Enable Bearer Independent CS Architecture.....	7
7.3	OSA Enhancements	7
7.4	Transcoder Free Operation (TrFO)	7

7.5	LCS	7
7.6	Security Enhancements	7
7.7	ASCI	7
7.8	TEI-4.....	7
7.9	GERAN improvements.....	7
8	Release 5.....	7
8.1	Provisioning of IP-based multimedia services	7
8.2	OSA Enhancements (Release 5)	7
8.3	CAMEL Phase 4	7
8.4	Wideband Telephony Service – AMR.....	8
8.5	Location Service Enhancements	8
8.6	End to End QoS.....	8
8.7	Global Text Telephony.....	8
8.8	TEI-5.....	8
8.9	Evolution of Transport in the CN	8
9	Work Organization	8
10	Workplan/Project plan.....	8
10.1	Review of 3GPP workplan.....	8
11	Close of Meeting	8
ANNEX A:OUTPUT MATERIAL		9
A.1	Liaisons Approved to be sent following TSG_CN#12	9
A.2	New TSs /TRs Approved at TSG_CN#12.....	9
A.3	New / Revised Work Items Approved at TSG_CN#12	9
A.4	CRs Approved at TSG_CN#12	10
A.5	CRs Not Approved at TSG_CN#12.....	22
ANNEX B Decisions/Notes on Tdocs by Agenda Item.....		28
ANNEX C. TSG_CN#12 Participants List		29
History		30

1 Opening of the meeting

Peter Kobriger welcomed the delegates to Stockholm on behalf of the 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).

2 Approval of Agenda

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

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.

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 R'99 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.

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.

6 Release '99 and earlier Workitems

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.

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.

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.

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.

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).

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 timeplans 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.

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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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 Iupc 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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
NP-010300	approved	23.018	4.2.0	072		C	Rel-5	Handling of MultiCall in MPTY procedure	N4	N4-010534	TEI5	
NP-010300	approved	23.084	4.0.0	004	1	C	Rel-5	Handling of MultiCall in MPTY 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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	
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	Conditional approval - e-mail deadline 2001-06-25
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	Conditional approval - e-mail deadline 2001-06-25
NP-010259		29.002	4.3.0	287		C	Rel-4	Shift MAPsec to Rel-5	N4	N4-010671	SEC1-	conditional upon SA decision

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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 - aprvl conditional upon NP-010270 being approved by e-mail
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 - aprvl conditional upon NP-010270 being approved by e-mail
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 - aprvl conditional upon NP-010270 being approved by e-mail
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 - aprvl conditional upon NP-010270 being approved by e-mail
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 conditional on approval by e-mail of NP-010270
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 conditional on approval by e-mail of NP-010270
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
NP-010359		29.002	3.8.0	255	4	F	R99	Addition of selected UMTS algorithm indication to the handover procedures	N4	N4-010727	Handover	approved conditional on approval by e-mail of NP-010270

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

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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
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

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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
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

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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	Multical	Referred back to CN1-CN4
NP-010266	rejected	23.009	4.0.0	029	1	A	Rel-4	Priority selection criteria of calls in a multical	N1	N1-010817	Multical	Referred back to CN1-CN4
NP-010266	rejected	23.009	3.6.0	038		F	R99	Priority selection criteria of calls in a multical	N1	N1-010826	Multical	Referred back to CN1-CN4
NP-010266	rejected	23.009	4.0.0	039		A	Rel-4	Priority selection criteria of calls in a multical	N1	N1-010827	Multical	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 Ifs	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 Ifs	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 Ifs	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 Ifs	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	

Tdoc	Status	Spec	C_Ver	CR	Rev	Cat	Phase	Subject	WG	WG tdoc	Workitem	Remarks
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

TDoc #	Ag.	Original	Type	Tdoc Title	Source	Discussion	Status
NP-010225	2		AGENDA	Draft Agenda for CN#12 Meeting (Stockholm)	MCC		APPROVED

To be completed

ANNEX C. TSG_CN#12 Participants List

Title	Name	Firstname	pers_role_cbo	Orga_cbo
Mr.	Allen	Andrew		MOTOROLA SEMICONDUCTOR ISRAEL

To be completed

History

Document History	
19th June 2001	DRAFT v0.2.0 Presented to TSG-SA#12 (SP-010354)
	<i>DRAFT v1.0.0 send to TSG_CN Officials for comments</i>
	<i>DRAFT v1.1.0 dispatched to the TSG-CN mail exploder for comments.</i> <i>Comments to be addressed to:</i> <i>Mr. David Boswarthick, 3GPP TSG CN MCC Support</i> <i>MCC - ETSI Secrétariat</i> <i>Tel :+33 (0)4 92 94 42 78</i> <i>E-mail: david.boswarthick@ETSI.fr</i> <i>A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.</i> <i>E-mail comments back by 20th April 2001</i>
<i>10th Aug 2001</i>	<i>DRAFT v2.0.0 placed on the FTP server [inc. delegates comments]</i>
13th Sept 2001	<i>Final v2.1.0 approved at TSG#13 Meeting in Beijing – Made version 3.0.0 and placed to server as the official meeting report.</i>