

DRAFT



Third Generation Partnership Project

DRAFT MEETING REPORT v2.0.0
3GPP TSG-CN#27

Tokyo, Japan.
9th - 11th March, 2005

Hosted by:

Japanese Friends of 3GPP

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CN Chairman's Executive Summary

Several exceptions were approved requesting extensions until June 2005. These exceptions are:

- NP-050042 – Completion of GUP
- NP-050046 – Completion of Mn profile work
- NP-050087 – Complete redial solution for voice video switching
- NP-050089 – Extension for IMS2 to deal with SIP-ALG issues
- NP-050104 – Network Initiated SCUDIF upgrade
- NP-050124 – ROHC in MBMS
- NP-050138 – Inclusion of Handover for Conversational Services in A/Gb mode via the PS Domain
- NP-050143 – Support of Pp,Pr,Wx and authorization information update procedure in Wa,Wm reference points
- NP-050144 – IMS support in I-WLAN

The WGs must complete all CRs for the delayed functionality by the end of April or the functionality will be moved to Rel 7.

In addition, the chair will request guidance from SA as to whether an extension should be requested for MBMS trace. The deadlock between CN1/SA3 and RAN2 over reauthentication and keyset change during handover will be raised to SA for a decision.

Many of the outstanding issues from previously granted exceptions have now been completed including:

- Flow Based Charging (Rx interface not complete)
- IMS Phase 2 (Conferencing, Messaging, IMS) Note: conferencing scope reduced and still many outstanding IETF dependencies
- OSA 3 (Completion of stage 2)
- Presence (IETF Dependencies, Pk interface) Note: still many outstanding IETF dependencies
- TEI (Domain Specific Access Class Barring not complete)
- WLAN Interworking (Mechanism for manual PLMN selection)

Four new specifications were approved and 3 new and revised work items were approved. These are listed in Annex A.

This was the final meeting of CN before the merger with T to create CT. Elections were held for the new CT officials with the following results: Chair: Hannu Hietalahti, Vice-chairs: Akishige NODA, Gary Jones, Steve Mecrow.

Finally, since this is my last CN report I would like to take this opportunity to thank my MCC support: David Boswarthick, the CN vice chairs: Iain Sharp and Kunihiko Taya, the WG officials, WG MC support and all the delegates. CN has had a very productive 6 years and I have been very proud to be a part of the process. The new leadership for CT is in place and under this capable team, I fully expect the excellent legacy of CN to continue into the future.

1 Opening of the meeting

Mr Yasuo Maruyama representing TTC welcomed the delegates to Tokyo on behalf of the hosts. The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Iain Sharp (Vice-Chair, Nortel), Mr. Kunihiro Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

2 Approval of the agenda

- NP-050001 Draft agenda for CN #27 meeting, MCC. **APPROVED.**
- NP-050002 Allocation of documents to agenda items (at tdoc deadline), CN vice-chairman. **NOTED.**
- NP-050003 Allocation of documents to agenda items (start of day 1), CN vice-chairman. **NOTED.**
- NP-050126 Allocation of documents to agenda items (start of day 1bis), CN vice-chairman. **NOTED.**
- NP-050004 Allocation of documents to agenda items (end of day 1), CN vice-chairman. **NOTED.**
- NP-050005 Allocation of documents to agenda items (end of day 2), CN vice-chairman. **NOTED.**
- NP-050006 Allocation of documents to agenda items (end of day 3), CN vice-chairman. **NOTED.**
-

3 IPR declarations

Reminder for IPR declaration

The chairman made the following call for IPRs, and asked ETSI members to check the latest version of ETSI's policy available on the web server:

The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of.**

The members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
 - to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/lpr/>).
-

4 Meeting Reports

4.1 Report from CN#26Meeting

NP-050007 Draft report from CN#26 meeting, MCC.

Discussions: Ericsson provided some comments offline and the report was revised to reflect these comments.

Status: **REVISED to 0128.**

↓ **REVISED** ↓

NP-050128 Draft report from CN#26 meeting, MCC.

Status: **APPROVED**

4.2 Reports from other groups

No Input to this agenda item.

4.3 IETF coordination report

NP-050120 IETF coordination report, CN Chair.

Content: Contains the latest status of IETF dependencies.

Status: **NOTED.**

5 Incoming liaisons

5.1 LS Moved to other Sections

5.2 LS Treated under the main Agenda Item

NP-050016 Reply to TISPAN on Workshop on "IMS over Fixed Access" [SP-040929] SA. **NOTED.**

NP-050010 **About the Workshop on "IMS over Fixed Access" (30-31 March 2005) [05TD266r2], TISPAN.**
Content: An LS from ETSI TISPAN on the arrangements for the joint workshop between 3GPP and TISPAN.
Status: **NOTED.**

NP-050015 **Re. LS on the Workshop on "IMS over Fixed Access" (30th – 31st March 2005) [S2-050504] SA2.**

Content: In this LS, SA2 analyse the agenda items and identify which groups within 3GPP as well as GSM IREG have some work to do on each work area
Status: **NOTED.**

NP-050011 **LS from Q.1/19 to SDOs [COM19-LS004], ITU-SG19.**

Content: SG 19 (Q.1/19) has started the development of a draft new recommendation Q.FNAB (Functional Network Architecture for Systems Beyond IMT-2000) in its role as the lead study group of ITU-T on mobile telecommunication networks and for mobility. The scope is to provide a long-term high-level network architecture for systems beyond IMT-2000, including definition of functional entities (FEs), allocation of functional capabilities to FEs, and interfaces models among FEs for systems around the year 2010, based on the forward looking perspectives captured in ITU-R Recommendation M.1645 and ITU-T Recommendation Q.1702.

It should be noted that we will be working closely with the ITU-T NGN work coordinated by SG 13 and involving multiple study groups across ITU-T as part of an overall thrust to provide a suite of coherent and consistent Recommendations. These will include mobility as a key dimension in recognition of the fact that the majority of subscribers globally are mobile subscribers, and also recognizing the rapidly increase in mobile Internet infrastructure and other related demands. SG 19 would like to invite you to input your documents related to architecture studies on systems beyond IMT-2000 so that we may take them into account as we progress our studies.

Discussion: The individual members are invited to contribute directly to the ITU on this issue.

Status: **NOTED.**

NP-050017 **LS on Application-ID values [T2-050030], T2.**

Discussion: Has no impacts on CNs work

Status: **NOTED.**

NP-050136 **LS on Proposal for the development of a contribution for ITU-R WP8F on IP solutions [T2-050030], T2.**

Discussion: The LS was seen in RAN and contains a request to provide input to the ITU-R on IP over mobile systems. ITU-R ad hoc will send the output of its discussions of to the concerned CT WGs.

Status: **NOTED.**

6 Reports from TSG-CN working groups (& CN Ad Hocs)

6.1 Reporting from TSG-CN WG1

6.1.1 Status report from CN1

NP-050058 **CN1 Status Report to CN Plenary, CN1 Chairman.**

Discussion: Ericsson clarified that the MBMS work is NOT complete in CN1, and an extension request sheet has been provided by Ericsson in NP-050128.

RIM hi-lighted that the management object values fields cannot be changed over the air. These may be read but cannot be programmed.

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In the Mo TS, the latest version is for the reading for private identities and not necessarily writing them.

CN1 chair raised a question on how to complete CRs with relations to the impacted areas. Do CN CRs need to reflect impacts in the access network or the UE?

CN1 requested guidance on when the check boxes for systems affected should be ticked in a CR. CN guidance was that we should tick the boxes only for the systems directly affected by the CR in question and not include the knock on affects from other CRs.

Status: **NOTED.**

NP-050059 **CN1#37 Draft Meeting report, MCC. NOTED.**

NP-050060 **LSs sent from CN1 since CN#26, CN1. NOTED.**

6.1.2 Questions for advice and decisions from CN1

NP-050090 **Misalignment amongst the 3GPP specifications, "Re-authentication and key set change during inter-system handover"[N1-050270] CN1**

Content: A year ago, at CN1#33 meeting in February 2004, a misalignment amongst the 3GPP specifications on handling of key sets from R99 between the terminal and the network was identified. At that meeting, CN1 concluded that the inter-system handover from GERAN to UMTS procedures after re-authentication (i.e. 'late AKA') would always fail, if the handover occurred before the new keys were taken into use. Since CN1 was of the opinion that a re-authentication in the CS domain may be a rare event in R99 and also to avoid creating problems for the existing R99 mobiles, corrections in Rel-5 and onwards were judged to be sufficient.

CN1 requests SA to provide a way forward on this issue. Either RAN2 shall align their specification with SA3 and CN1 from Rel-5 onwards, or CRs must be produced to revert the already plenary approved CRs by SA3 and CN1, and accepting the flaw in the system that the inter-system handover from GERAN to UMTS procedures after re-authentication would always fail, if the handover occurred before the new keys were taken into use.

Discussion: CN has no action on this issue. TSG_SA are asked to take action.

Status: **NOTED.**

NP-050092 **LS on status of 3GPP IMS management object [N1-050416], CN1.**

Content: CN1 would like to inform OMA and 3GPP2 that it has now completed its work on TS 24.167, the technical specification for the 3GPP IMS management object and will present it to TSG CN for approval and inclusion in 3GPP release 6 as version 6.0.0 at the March 2005 TSG CN meeting. CN1 would also like to inform OMA that 3GPP has documented as part of the work on early IMS security how the private user identity, public user identity and home network domain name are obtained when using a 2G SIM.

OMA PAG, OMA POC and OMA DM are invited to comment back to CN1 any issues, concerns or additional requirements they may have for the IMS MO.

Status: **NOTED.**

6.2 VOID.

6.3 Reporting from TSG-CN WG3

6.3.1 Status report from CN3

NP-050095 **Status Report for TSG CN WG3, CN3 Chair.**

Discussion: The Rx interface was shown as 95% complete. As CN3 have not identified the specific areas than need further work, this should be reported as 100%.

Tracing for MBMS is not planned for Rel-6 unless TSG_SA specifically instruct that it is to be included in Rel-6

Status: **NOTED.**

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NP-050096 CN3#35 Meeting Report, MCC. **NOTED.**

NP-050097 All LSs sent from CN3 since TSG CN#26 Meeting, MCC. **NOTED.**

NP-050093 **LS on network-initiated SCUDIF support [N3-050151], CN3.**

Content: CN3 would like to inform RAN3 that CN3 agreed in principle to use the enhanced RANAP signalling, as proposed by RAN3, as trigger for the network-initiated downgrade from multimedia to speech when degrading resources or radio conditions require such a change. CN3 will endeavour to agree the corresponding CR during their present meeting CN3#35.

However, CN3 did not yet agree a solution for a network-initiated upgrade from speech to multimedia. CN3 anticipates that this issue can not be finalised before the next TSG plenaries.

CN3 therefore asks RAN3 to approve CRs implementing only the part of their proposal for network-initiated SCUDIF support that relates to a downgrade to an alternate configuration with lower bandwidth requirements.

Status NOTED.

6.3.2 Questions for advice and decisions from CN3

No Input to this agenda item.

6.4 Reporting from TSG-CN WG4

6.4.1 Status report from CN4

NP-050025 Status Report for TSG CN WG4, CN4 Chair.

Status: **NOTED.**

NP-050026 CN4#26 Meeting Report, MCC. **NOTED.**

NP-050027 All LSs sent from CN4 since TSG CN#26 Meeting, MCC. **NOTED.**

6.4.2 Questions for advice and decisions from CN4

No Input to this agenda item.

6.5 Reporting from TSG-CN WG5

6.5.1 Status report from CN5

NP-050018 Status Report for TSG CN WG5, CN5.

Status: **NOTED.**

NP-050019 CN5#30 Meeting Report, CN5. **NOTED.**

NP-050024 All LSs sent from CN5 since TSG CN#26 Meeting, CN5. **NOTED.**

6.5.2 Questions for advice and decisions from CN5

NP-050014 **LS on OSA Stage 2 - A cross-releases Overview [S2-050351], SA2.**

Content: SA2 will propose to the next TSG SA#27 to withdraw TS 23.127 from Release 6 provided that the TS 23.198 has been submitted to and approved by TSG CN#27 as part of Release 6.

Discussion: CN5 are presenting 23.198 to this CN meeting for approval. CN need to report to SA that this CN5 TS has been approved.

Status: **NOTED.**

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6.6 Status ITU-T ad hoc group

7 Release 4 & earlier: Approval of contributions (by Work Item)

**NOTE - Rel 4 and previous releases are functionally FROZEN.
ONLY CAT F and CAT A CRS ALLOWED.**

7.1 CAMEL Phase 2 and Phase 3

No Input to this agenda item.

7.2 Security

No Input to this agenda item.

7.3 GPRS

No Input to this agenda item.

7.4 Location service enhancement [LCS1]

No Input to this agenda item.

7.5 Handover

No Input to this agenda item.

7.6 GSM- UMTS Interworking

No Input to this agenda item.

7.7 Transcoder Free Operation [TrFO]

NP-050028 CRs to Rel-4 on Work Item OoBTC, CN4.
Status: **APPROVED.**

7.8 Enable bearer independent CS architecture [CSSPLIT]

7.9 Multicall

No Input to this agenda item.

7.10 OSA Enhancements [OSA1]

7.11 Small Technical Enhancements & Improvements [TEI]

NP-050029 CRs to Rel-4 on Work Item small Technical Enhancements and Improvements, CN4.

Discussion: Motorola raised some concerns with changes not being marked in the CRs 118, 119 and 120. Various changes are not shown / marked.

Once CR changes the table, one CR enhances the table. Motorola objected to having a merged CR (changes on top of anticipated changes). Proposed to take the confusing CRs and revise them into new CR(s).

All CRs except 118-119-120 are APPROVED. CRs 118-119-120 are revised in NP-050129

Upon reviewing NP-050129 it was found that CRs 96-97-98 also need to be merged. (see NP-050133)

Status: **PART APPROVED.**

NP-050129 Merged CRs to Rel-4 on Work Item small Technical Enhancements and Improvements, CN4.

Discussion: CRs 96, 97, 98 in addition to CRs 118, 119, 120, need to be merged

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Status: **REVISED to 0133.**

↓ **REVISED** ↓

NP-050133 Merged CRs to Rel-4 on Work Item small Technical Enhancements and Improvements, CN4.

Status: **APPROVED.**

7.12 Any Other pre-Release 5 WI [TEI]

NP-050067 CRs to R99 WI "ASCI", CN1.

Status: **APPROVED.**

NP-050098 CRs to Rel-4 on Work Item "Circuit Switched Data Bearer Services", CN3.

Status: **APPROVED.**

8 Release 5:

NOTE - Rel 5 release is functionally FROZEN. ONLY CAT F and CAT A CRS ALLOWED

8.1 Provisioning of IP-based multimedia services [IMS]

NP-050030 CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface, CN4.
Status: **APPROVED.**

NP-050031 CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface, CN4.
Status: **APPROVED.**

NP-050069 CRs on Rel-5 WI "IMS-CCR" for TS 24.229, 24.228 and 23.218, CN1.
Discussion: Motorola questioned the correct version being used for one CR. It was clarified that the version is not the latest, however the text around the change is the same and the CR is implementable.
Status: **APPROVED.**

8.2 OSA enhancements [OSA2]

8.3 CAMEL Phase 4 [CAMEL4]

NP-050032 CRs to Rel-5 on Work Item EDCamel, CN4.
Status: **APPROVED.**

8.4 Location Service Enhancements [LCS1]

No Input to this agenda item.

8.5 End to End QoS [E2EQoS]

8.6 Security enhancements [SEC1]

No Input to this agenda item.

8.7 Service Change and UDI Fallback [SCUDIF]

NP-050068 CRs for Rel-5 WI "SCUDIF", CN1.
Status: **APPROVED.**

NP-050100 CRs to Rel-5 (with mirror CR) on Work Item "Service Change and UDI Fallback", CN3.
Status: **APPROVED.**

8.8 Technical Enhancements and Improvements [TEI5]

NP-050033 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on GPRS, CN4.
Status: **APPROVED.**

NP-050034 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on OoBTC, CN4.
Status: **APPROVED.**

NP-050035 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements, CN4.
Status: **WITHDRAWN.**

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8.9 Any other Rel-5 WI

NP-050036 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Mc-Interface, CN4.

Status: **APPROVED.**

NP-050099 CRs to Rel-5 (with mirror CR) on Work Item "Circuit Switched Data Bearer Services", CN3.

Discussion: Mirror CRs are not CAT A's as they have additional changes (for A-TRAU').

Status: **APPROVED.**

9 Release 6

9.1 IMS Phase 2 [IMS]

NP-050013 **Re. LS on IP multimedia group management and messaging capabilities [S1-050159], SA1.**
Content: TSG SA WG1 has considered the LS from CN1 and provided the following responses to the issues raised:

1. Group management: TSG SA WG1 discussed whether a more appropriate documentation structure could be achieved by moving group management stage 1 requirements to 3GPP TS 22.141, 3GPP TS 22.228 and 3GPP TS 22.340 respectively. It was not clear what confusion the current structure actually causes and it was decided, that due to the amount of work involved, it would not be possible to restructure the Stage 1 specifications.

2. Is composing: TSG SA WG1 noted that the requirement; 'It shall be possible for a subscriber in an IMS Messaging session to request and to receive an indication of when user is entering a message ("Is typing"). This request may apply to a specific user or users in the same session. Subject to privacy requirements, the corresponding indications will identify the persons who are entering a message.' has been in TS 22.340 for some time and it was decided that the requirement is still valid.

3. list management and distribution: As with point 2 it was decided that the requirement: "In messaging the server may be able to distribute the messages to several recipients based on the delivery list. The content of the delivery list can be managed with IMS group management." is still valid and should not be removed from the Stage 1 specifications.

As far as points 2 and 3 are concerned, it is TSG SA WG1's understanding that the companies who inserted the original requirement have the responsibility to provide the necessary inputs to the CN WGs to complete the process, and therefore companies were encouraged to make the necessary contributions to finalise the work. However, if no contributions are forthcoming TSG SA WG1 understands that the requirements will not be met within the Release 6 timescale.

TSG SA WG1 asks TSG CN and TSG CN WG1 to note the information contained in this liaison statement and to inform TSG SA WG1 if the requirements highlighted in this liaison statement can not be met within the Release 6 timescale.

Discussion: Reply from CN1 is in NP-05091

Status: **NOTED.**

NP-050091 **Reply LS on IP multimedia messaging capabilities [N1-050277] CN1.**

Discussion: CN1 indicates it's intention to comply with NP-050036. Related CRs are in NP-050075

Status: **NOTED.**

NP-050037 **CRs to Rel-6 on Work Item IP-based multimedia services Cx-/Dx-interface, CN4.**

Status: **APPROVED.**

NP-050038 **CRs to Rel-6 on Work Item IP-based multimedia services Sh-interface, CN4.**

Status: **APPROVED.**

NP-050039 **CRs to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination, CN4.**

Status: **APPROVED.**

NP-050066 **TS 24.167v2.0.0: 3GPP IMS Management object (MO);Stage 3, CN1.**

Status: **APPROVED.**

NP-050072 **CR on Rel-6 WI "IMS2" for TS 24.229, CN1.**

Discussion: These CRs are required to remove the elements that are not achievable for Rel-6. A new WID (source Lucent) would need to be approved for similar and additional work in Rel-7. The WID is contained in NP-050064. Lucent had concerns about removing some elements of the capabilities without fist agreeing to develop this in Rel-7. CN did not accept the condition of acceptance of the WID for approval of this CR but when the work starts in Rel-7, providing the WID is accepted, then the basis for the work shall be the already agreed CN1 text in the current version of the TS prior to the removal of the text by this CR.

Status: **APPROVED.**

NP-050073 **CRs on Rel-6 WI "IMS2" for TS 24.229, 23.218, 24.247, 24,147 and 24.141, CN1.**

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Discussion: Two CRs [N1-050326 and N1-050066] have been replaced by a merged CR contained in NP-050127. All CRs approved apart from N1-050326 and N1-050066 are APPROVED.

Status: **PART APPROVED.**

NP-050127 Combined CR on Rel-6 WI "IMS2" for TS 24.229,, CN1.

Discussion: Replaces N1-050326 and N1-050066 from NP-050073.

Status: **APPROVED.**

NP-050074 CRs on Rel-6 WI "IMS2" for TS 24.229, CN1.

Status: **APPROVED.**

NP-050075 CRs on Rel-6 WI "IMS2" for TS 24.229 and 24.247, CN1.

Discussion: Regarding the CR in N1-050395, this aligns with the stage 2 requirement. There is currently a mismatch between the stage 1 and stage 2 requirements and the CN chair will highlight this to SA.

Status: **APPROVED.**

NP-050089 Rel-6 Exception Request Form for Extensions to SIP capabilities, CN1.

Content: Asks for an extension due to Specification of interworking with other SIP networks using ALG.

Status: **APPROVED.**

9.2 Support of Presence Capability [PRESNC]

NP-050078 CRs on Rel-6 WI "PRESNC" for TS 24.141 and 24.229, CN1.

Status: **APPROVED**

NP-050107 CR to Rel-6 on Work Item "Support of the Presence service in core networks signalling protocols", CN3.

Status: **APPROVED.**

9.3 Security Enhancements[SEC1]

NP-050040 CR to Rel-6 on MAP Security, CN4.

Discussion: Related CR needs to be approved in SA#27.

Status: **APPROVED (Conditionally).**

NP-050041 CRs to Rel-6 on Subscriber Certificates, CN4.

Discussion: Motorola noticed that CRs 11,12 and 14 all change figure 1, bit the changes are not the same. After some background research it was found that the CRs could be approved. 29.109R1 CR 14 is conditionally approved dependent on SA3 CR to 33.220

Status: **APPROVED.**

NP-050081 CRs on Rel-6 WI "SEC1-SC" for TS 24.109, CN1.

Discussion: Related SA3 CR needs to be approved in SA#27. CN1 CR needs to be revised to include the SA3 CR number.

Status: **REVISED to 0130**

↓ **REVISED** ↓

NP-050130 CRs on Rel-6 WI "SEC1-SC" for TS 24.109, CN1.

Discussion: Conditionally approved. The Related SA3 CR needs to be approved in SA#27.

Status: **APPROVED (Conditionally).**

NP-050082 CR on Rel-6 WI SEC1-SC for TS 24.109, CN1.

Status: **APPROVED.**

9.4 Emergency Call Enhancements [EMC1]

9.5 Speech Recognition and Speech Enabled Services[SRSES]

No Input to this agenda item.

050176

9.6 Generic User Profile [GUP]

NP-050042 Form for exception on GUP for Rel-6, CN4.
Status: **APPROVED.**

NP-050043 3GPP TS 29.240 Generic User Profile v2.0.0 for approval, CN4.
Status: **APPROVED.**

9.7 OSA Enhancements [OSA3]

NP-050020 Rel-6 CR 29.198-03 OSA API Framework:. Add TpServiceTypeName for Multimedia Messaging SCF, CN5.
Status: **APPROVED.**

NP-050021 6 Rel-6 CRs 29.199-xy OSA Parlay X Web Services, CN5.
Status: **APPROVED.**

NP-050022 Rel-6 Draft TS 23.198 v200 (OSA Stage 2) – for Approval, CN5.
Discussion: Sections 3.1 and 3.2, reference should be 21.905
Status: **REVISED to 0131.**

↓ **REVISED** ↓

NP-050131 Rel-6 Draft TS 23.198 v200 (OSA Stage 2) – for Approval, CN5.
Status: **APPROVED.**

9.8 Multimedia Broadcast and Multicast Service [MBMS]

NP-050044 CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service, CN4.
Status: **APPROVED.**

NP-050070 CRs on Rel-6 WI “MBMS” for TS 24.008, CN1.
Status: **APPROVED.**

NP-050071 CRs on Rel-6 WI “MBMS, TEI6” for TS 24.008, CN1.
Status: **APPROVED.**

NP-050108 CRs to Rel-6 on Work Item "MBMS", CN3.
Status: **APPROVED.**

NP-050124 Exception Request Form for late inclusion of Robust header Compression (RoHC) support for MBMS in Rel-6, Ericsson.
Status: **APPROVED.**

9.9 IMS Messaging [IMSM]

9.10 Interop & Commonality between IMSs using different IP-connectivity networks
No Input to this agenda item.

9.11 Interworking IMS<->IP

9.12 Interworking IMS<->CS

NP-050105 CR to Rel-6 on Work Item "IMS", CN3.
Status: **APPROVED.**

050176

9.13 CAMEL Phase 4 Enhancements [EDCAMEL]**No input to this agenda item****9.14 Bearer Independent Arch in PS****No input to this agenda item****9.15 MRFC to MRFP I/f (Mp) [IMS-CCR-Mp]****No Input to this agenda item.****9.16 MGCF to IM MGW I/f (Mn) [IMS-CCR-Mn]**

NP-050045 CRs to Rel-6 on Mn-interface, CN4.
Status: **APPROVED.**

NP-050046 Form for exception on Mn-interface for Rel-6.
Status: **APPROVED.**

NP-050094 **LS on Cooperation with TISPAN NGN for IMS-CS MGW protocol [N4-050466] CN4.**

Content: Although a Liaison Statement was sent to TISPAN from 3GPP CN3 with regards to the support of 3GPP with respect to supplementary services requirements from TISPAN no information was relayed regarding the H.248 profile development in 3GPP CN WG4 for the MGW control interface (Mn) which interworks between IMS user plane and external CS network user planes (BICC, ISUP).

It has been observed by some delegates that work ongoing in ETSI TISPAN for a Trunking Gateway profile may have synergies to the 3GPP Mn profile. At the current CN4 meeting (#26) CN4 has agreed to register a formal profile name with IANA for this H.248 profile. This work in 3GPP is still ongoing and an extension within 3GPP Rel6 timeframe has been requested to add the formal profile template as defined in H.248.1 v2 into this specification – based on the input document (N4-050239), which is attached.

CN4 would like to inform ETSI TISPAN that we are prepared to consider ETSI TISPAN requirements in the development of our Mn profile in order to make the profile future compatible with NGN applications, provided they can be incorporated in time in the Rel6 version and do not contradict the requirements defined for the IMS-CS interworking as defined in TS 29.163. 3GPP CN4 invites ETSI TISPAN to inform 3GPP of any additional requirements they have on the Mn profile that they would need for this profile to be suitable as their Trunking Gateway profile.

Discussion: this is consistent with the exception form in NP-050046.

Status: **NOTED.**

9.17 WLAN [WLAN]

NP-050012 **Re. LS to LS on "Reservation of two new sub domains under '.3gppnetwork.org'" from 3GPP TSG CN [IREG48_035 Rev 1] GSMA IREG**

Content: GSMA IREG kindly requests all 3GPP plenary and working groups addressed in this LS to note the following:

- GSMA IREG can now accept the reservation of the requested sub domain of "3gppnetwork.org" but with the proposed modified name change (see above).
- GSMA IREG be requested for approval for further uses of this sub domain in addition to the use currently being proposed in 3GPP I WLAN work item so that the stability and integrity of the GRX can be maintained.

GSMA IREG kindly requests 3GPP TSG CN specifically to inform GSMA IREG if/when the proposed sub domain (with the proposed modification to the naming) is approved so that GSMA IREG can set about updating their documentation set.

Discussion: CRs contained in 0047.

Status: **NOTED.**

NP-050047 **CRs to Rel-6 on WLAN, CN4.**

Status: **APPROVED.**

NP-050048 **Form for exception on WLAN for Rel-6, CN4.**

050176

Discussion Some question over the estimated completion time (June or Sept 2005). The solution for the Pp interface will not be straight forward. CN4 would like to be given the opportunity to investigate further the work required for Rel-6. Capacity impacts should also be studied.

Proposed to allow CN4 until the next CT plenary (June) in order to complete this work. There were some concerns about having an exception until September 2005. If CN4 cannot complete the work to at least 100% by the CN4 meeting in April 2005, it should be moved to Rel-7. SA2 would also need to remove the stage 2 interfaces. CN4 will inform SA2 directly.

The exception form was updated to reflect this condition for the inclusion of these WLAN elements in Rel-6.

This is also the case for the CN3 work. Pk and Pp interfaces need to be identical or very similar

Status: **REVISED to 0132.**

↓ **REVISED** ↓

NP-050132 Form for exception on WLAN for Rel-6, CN4.

Discussion Completion date should be end of April (not June)

Status: **REVISED to 0143.**

↓ **REVISED** ↓

NP-050143 Form for exception on WLAN for Rel-6, CN4.

Status: **APPROVED.**

NP-050079 CRs on Rel-6 WI "WLAN" for TS 24.234, CN1.

Status: **APPROVED.**

NP-050080 CR on Rel-6 WI "WLAN-IW" for TS 24.234, CN1.

Status: **APPROVED.**

NP-050117 CR on Fallback to full authentication for TS 24.234, CN1.

Status: **REVISED to 0115.**

↓ **REVISED** ↓

NP-050115 Fallback to full authentication, Ericsson, Nokia.

Status: **APPROVED.**

NP-050125 Release 6 Exception Notice for WLAN, Lucent Technologies, Cingular.

Content: IMS stage 3 SIP messaging protocol. For WLAN access to IMS, it is necessary to have an equivalent in TS 24.229 to annex B which describes at least:

- any tunnel requirements specific for access to IMS
- P-CSCF discovery
- WLAN specific coding rules for the P-Access-Network-Info header, remembering that we have procedures in 5.2 that are dependent on the contents in order to determine emergency call usage.
- coding for the access-network-charging-info parameter within the P-Charging-Vector header

Discussion: CN1 Chair clarified that these are not controversial issues, but they have not been addressed due to lack of contributions.

Lucent propose completing these issues with the assistance of email discussions.

Ericsson informed that there are SA1 CRs coming to SA plenary that clarify the stage 1 for IMS accessed by WLAN, (one for Rel-6, one for Rel-7). These CRs clean up a forgotten requirement to have IMS accessed by WLAN. The SA2 architecture already supports the access of IMS using WLAN. This exception request is dependent upon these SA1 CRs.

The CN chair will ask a pointed question to SA, as to whether or not the IMS via WLAN requirement is a part of Rel-6. This exception notice is approved only on the condition that SA confirms the requirement is for Rel-6.

CN decided that this work must be completed by June 2005. If this is not possible, then this work will be pushed to Rel-7.

The exception notice was revised to remove the references to ANNEX B, and include a specific list of items for the work CN1 must do.

Status: **REVISED to 0134.**

↓ **REVISED** ↓

050176

NP-050134 Release 6 Exception Notice for WLAN, Lucent Technologies, Cingular.**Discussion:** Remove change marks, and correct type error.**Status:** **REVISED to 0144.**↓ **REVISED** ↓**NP-050144 Release 6 Exception Notice for WLAN, Lucent Technologies, Cingular.****Status:** **APPROVED.****9.18 Location Service Enhancements [LCS2]****NP-050049 CRs to Rel-6 on Location Services, CN4.****Discussion:** CR022 is actually Rev2 - MCC need to ensure CR dbase is up to date.**Status:** **APPROVED.****9.19 Network Sharing [NTShar]****NP-050050 CR to Rel-6 on Network Sharing, CN4.****Status:** **APPROVED.****9.20 QoS improvements [QoS1]****NP-050106 CRs to Rel-6 on Work Item "QoS1" (Gq interface), CN3.****Status:** **APPROVED.****9.21 Small Technical Enhancements and Improvements [TEI6]****NP-050051 CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Camel, CN4.****Discussion:** One CR was previously approved but not implemented. This needs to be high lighted in the CR dBase with the addition of a NOTE. MCC will see this is done. The CR can be considered as a mis-implemented CR, so revising it to Rev1 is the correct procedure.**Status:** **APPROVED.****NP-050052 CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS, CN4.****Discussion:** One CR (0429) is missing from the package. This CR is placed in NP-050135. The other 8 CRs in the package are approved.**Status:** **APPROVED.****NP-050135 One CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS, CN4.****Status:** **APPROVED.****NP-050053 CR to Rel-6 on Work Item small Technical Enhancements and Improvements on OoBTC, CN4.****Status:** **APPROVED.****NP-050054 CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP, CN4.****Status:** **APPROVED.****NP-050055 CR to Rel-6 on Work Item small Technical Enhancements and Improvements on Mc-interface, CN4.****Status:** **APPROVED.****NP-050056 CR to Rel-6 on Work Item small Technical Enhancements and Improvements on TEI6, CN4.****Status:** **APPROVED.****NP-050076 CRs to 24.008, 43.068, 43.069, CN1.****Status:** **APPROVED.****NP-050077 CR to Rel-6 WI "TEI6" for TS 24.008, CN1.**

050176

Discussion: SA1 have sent a related LS, but it is not certain if the Stage 1 has been updated to align the service requirements with the Stage 3. SA1 have agreed that this solution is the correct way forward. Ericsson believes that this is the wrong TS in which the stage 3 needs to be defined. User control and operator control lists are not usually mentioned in 24.008, and should be included in TS 23.122. Only Ericsson objected to the CR. Lucent objected to Ericsson delaying the work and suggested the CR should be approved in CN. As it is optional, and as CN1 who are the experts in this domain have agreed to this technical change, it was decided to approve the CR. Ericsson agreed to accept this CR. however if Ericsson can improve the documentation of this solution then this can be approved at the next CT meeting. The door is left open for improvements in the way this solution is documented. It was also agreed to send a LS to SA1 (NP-050137) requesting that they confirm the details of the CR.

Status: **APPROVED.**

NP-050137 LS to SA1 on LS on GPRS Network Selection, TSG_CN.

Content: TSG-CN/TSG CT kindly requests TSG-SA WG1 to review the attached CR#957 to 24.008 and confirm that relevant service requirements exists in the appropriate TSG-SA WG1 Rel-6 stage-1 specification, e.g. 3GPP TS 22.011.

Status: **APPROVED.**

NP-050101 CR related to SCUDIF on Work Item TEI-6, CN3.

Status: **APPROVED.**

NP-050102 CR to TS29.061 on Work Item TEI-6, CN3.

Status: **APPROVED.**

NP-050104 Extension Request for SCUDIF, CN3.

Status: **APPROVED.**

NP-050116 Network initiated SCUDIF in Rel6 Nokia, T-mobile.

Status: **REVISED to 0119 before presentation.**

↓ **REVISED** ↓

NP-050119 Network initiated SCUDIF in Rel6 Nokia, T-mobile, Siemens and Orange.

Content: This document presents the end user aspect of SCUDIF, that all users with SCUDIF capable terminals should be able to get similar SCUDIF services. It is also a strong operator interest to have only one SCUDIF terminal release, which would cover all the major SCUDIF needs. The signaling flow in the Discussion clause above presents a possible solution as an example how the current Rel-5 signaling flows could be optimized for network-initiated upgrade for Rel-6 and still support the Rel-5 SCUDIF terminals. It is proposed to allow and request the TSG CN WG3 to complete their work for Rel-6 SCUDIF by June 2005 and to encourage the working group to look for a reasonable solution, in order to avoid unnecessary complexity and still to include support for Rel-5 SCUDIF terminals.

Discussion: The requested exception has already been granted, however it is up to CN4 to analyse the technical solution. It was noted that there are also impacts on RAN WGs. An exception notice may need to be raised in RAN.

This contribution needs to be seen in CN3 also.

Status: **NOTED.**

9.22 Any other Rel-6 WI

NP-050057 CR to Rel-6 on Trace management CN4.

Status: **APPROVED.**

NP-050083 CRs to Rel-6 WI "ACBOP" CN1.

Status: **APPROVED.**

NP-050084 CR to Rel-6 WI "OEM-Trace" for TS 29.018 CN1.

Status: **APPROVED.**

NP-050085 CR to Rel-6 WI "SCSAGB" for TS 24.008 CN1.

Status: **APPROVED.**

050176

NP-050087 Rel-6 Exception Request Form for Circuit Switched Video and Voice Service Improvements (CS_VSS) CN1.

Discussion: Siemens stated that CRs are required all the way back to R99, and therefore questioned the need for an exception request for Rel-6 only. It was clarified that this is a Rel-6 WI that is not complete so an exception request is required. It was mentioned that the Stage 2 is in a TR and not a TS. CN1 has based it's work on the TR which contains the requirements, but would like to have information from SA2 on how the requirements will be specified in normative text. The CN chair will highlight these concerns to the SA plenary.

Status: **APPROVED.**

NP-050088 Rel-6 Exception Request Form for PS-Handover, CN1.

Discussion: Siemens do not believe it is possible to resolve these issues by June and do not support this exception. The discussions are currently ongoing between CN1 and GERAN. CN agreed that this must be completed by June 2005. If this is not the case then it will be moved to Rel-7. Siemens could accept this June capping. Lucent had similar concerns about the timescales. The request form was revised to include the limitation of work needing to be 100% complete to June 2005. This means that any open issues need to be resolved by the end of April 2005. Also the abstract and contentious issues need to be completed.

NOTE: The end of April is the cut of date for ALL Exception requests presented to this meeting.

Status: **REVISED 0138.**

↓ **REVISED** ↓

NP-050138 Rev. Rel-6 Exception Request Form for PS-Handover, CN1.

Status: **APPROVED.**

NP-050103 CRs to Rel-6 on Work Item "End to End QoS" CN3.

Status: **APPROVED.**

NP-050109 CRs to Rel-6 on Work Item "Gx interface for Flow Based Charging" CN3.

Status: **APPROVED.**

NP-050110 CR to Rel-6 on Work Item "Circuit Switched Data Bearer Services" CN3.

Status: **APPROVED.**

NP-050112 CR to Rel-6 Work Item "Rx Reference point specification for flow based charging" CN3.

Status: **WITHDRAWN.**

NP-050114 CR to Rel-6 Work Item "Rx Reference point specification for flow based charging" CN3.

Status: **APPROVED.**

NP-050111 TS 29.211 v2.0.0 Rx interface and Rx/Gx signalling flows (for approval) CN3.

Status: **WITHDRAWN.**

NP-050113 TS 29.211 v2.0.0 Rx interface and Rx/Gx signalling flows (for approval) CN3.

Status: **WITHDRAWN.**

NP-050118 TS 29.211 v2.0.1 Rx interface and Rx/Gx signalling flows (for approval) CN3.

Content: Replaces NP-050111 and 113.

Discussion: Incorrect references. Also the headers are incorrect

Status: **REVISED to 0139.**

↓ **REVISED** ↓

NP-050139 TS 29.211 v2.1. Rx interface and Rx/Gx signalling flows (for approval) CN3.

Status: **APPROVED**

10 Release 7

10.1 Any Rel-7 Work Item

NP-050023 Rel-7 SA1 Draft WID and CR 22.127 (OSA Stage 1) to go for SA March 2005 Approval – for CN Information & endorsement of the WID, CN5.

Content: This is the SA1 WID that we need to endorse in order for CN5 to continue their work.

Discussion: Lucent feels that CN cannot endorse this WID as the scope is not fully defined and limited to the OSA service brokering. This WID takes the work beyond the present scope of CN5. This is presently being discussed on the CN5 email exploder. A proposal will be made (by Lucent) to TSG_SA to restrict the scope of the WID. CN5 chair argued that the WID only lists the CN5 issues. The contentious issues are outside of the scope for CN5.

CN Chair will highlight the CN position to SA when the WID is presented in TSG_SA. CN would like to see the scope clarified. Also CN consider the control of the WID should be transferred to CN5. It was clarified that the WID does not open the door for making changes to earlier releases.

Status: **NOTED.**

NP-050061 Updated Trace WID, Rel-7, CN1.

Status: **APPROVED.**

NP-050062 Improvements of VGCS in public networks for parallel use of services, CN1.

Discussion: Add Huawei to supporting companies

Status: **REVISED to 0141.**

↓ **REVISED** ↓

NP-050141 Improvements of VGCS in public networks for parallel use of services, CN1.

Status: **APPROVED.**

NP-050063 WID for Combining CS and IMS services & Capability Detection mechanism, CN1.

Discussion: Estimated completion dates may change depending on when stage 2 work completes.

Status: **APPROVED.**

NP-050064 New IMS Application WID for Missing Features, CN1.

Discussion: This WID is still missing two supporting companies, and cannot be approved. A certain amount of work is also being done on this in OMA. 3GPP whilst needing to align with IETF work, we must not duplicate the work being done in OMA.

Status: **Sent BACK to CT1.**

NP-050086 CR to Rel-7 WI TEI7 for TS 23.122, CN1.

Status: **APPROVED.**

11 TSG CN organization

Will not be handles in CN - but handheld in the CT meeting to be held on Friday 11th March at 14:00

11.1 ToR

NP-050065 Updated CN1 Terms of reference, CN1.

Content: This update does not address the scope of CN1, only some procedural issues.

Status: **APPROVED.**

12 Specifications in TSG-CN domain

NP-050122 Specs per Release, JMM, MCC.

Discussion: Comment are invited offline to JMM.

Status: **N.**

NP-050123 Status list before TSG#27, JMM, MCC.

Discussion: Comment are invited offline to JMM.

Status: **NOTED.**

13 Elections

NP-050121 Elections: a practical guide. NOTED.

Election for CT Chairman Round 1

- HIETALAHTI, Hannu 62%

- SHARPE, Iain 38%

As a result of this first round of election Iain Sharpe graciously withdrew from the election. Hannu HIETALAHTI was elected as the new CT Chairman.

Election for CT V. Chairman Round 1 (Mr Mecrow and Mr Jones withdrew from the 1st round of CT v.chair)

- Akishige NODA 94%

- Zhixi WANG 3%

Akishige NODA was elected as the new CT V. Chairman.

Election for CT V. Chairman Round 2 (Mr Mecrow and Mr Wang withdrew from the 2nd round of CT v.chair)

Gary JONES was elected as a new CT V. Chairman.

Election for CT V. Chairman Round 3 (Mr Wang withdrew from the 3rd round of CT v.chair)

Stephen MECROW was elected as a new CT V. Chairman.

14 Review of 3GPP Work Plan

NP-050008 Latest version of 3GPP Workplan MCC, Sultan [TP-040212]. NOTED.

Discussion: CN agreed that the level of approval field can be removed.

Some placeholders have been created for Rel-7 for WLAN-UMTS interworking, OAMP and GUP. The working groups impacted will need to create the corresponding WIDs for Rel-7

Status: **NOTED.**

NP-050009 Latest version of 3GPP Workplan (SLIDES) MCC, Sultan.

Discussion: Comments were received and revisions were made online.

Slide 56: IMS_ALG has been extended to June 2005.

Slide 56: Although TISPAN requirements are only for Rel-6, there may be some backward compatibility issues. (Includes the Mn interface).

Slide 56: Profiling of the protocol to ensure interoperability is for forward compatibility with TISPAN. This has been granted an extension to June 2005.

Slide 57: CN1 still need to define header compression for MBMS. This has been granted an extension to June 2005.

Slide 62: CN4 work for GUP. This has been granted an extension to June 2005.

Slide 62: Data Description Framework has been moved out of Rel-6. May be re-introduced in Rel-7.

Slide 89: CN agreed with the conclusions in the document.

Slide 54: WLAN for Presence. This has been granted an extension to June 2005.

Slide 54: IMS over WLAN has been granted an extension to June 2005.

Slide 27: CN1 aspects in TS 24.234 .CRs were Approved at CN#27.

Slide 21: Mn interface is not complete- an exception form has been approved.

Status: **REVISED to NP-050142.**

↓↓REVISED↓↓

NP-050142 Latest version of 3GPP Workplan (SLIDES) MCC, Sultan. NOTED.

15 Any other business

16 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting and TSG_CN at 17.30 on 10th March 2005.

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
NP-050137	LS on LS on GPRS Network Selection	SA1	CN1	NP-050077

A.2 New TSs /TRs Approved (to be placed under change control)

Tdoc	Type	Spec	Tdoc Title	Source
NP-050131	TS	23.198	TS 23.198 v2.0.0 (OSA Stage 2)	CN5
NP-050139	TS	29.211	TS 29.211 v2.1.0 Rx interface and Rx/Gx signalling flows	CN3
NP-050043	TS	29.240	TS 29.240 v2.0.0 Generic User Profile	CN4
NP-050066	TS	24.167	TS 24.167 v2.0.0: 3GPP IMS Management object (MO);Stage 3	CN1

A.3 New / Revised Work Items Approved

Tdoc	Tdoc Title	Rel	Source
NP-050141	WID for Improvements of VGCS in public networks for parallel use of services	Rel-7	CN1
NP-050061	Updated WID for Trace Management, stage3, IMS	Rel-7	CN1
NP-050063	WID for Combining CS and IMS services & CapabilityDetection mechanism	Rel-7	CN1

A.4 Status of CRs following TSG CN Plenary meeting

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
03.68	A040	2	R99	F	NP-050067	N1-050280	approved	Correction of the conditions for establishment of a voice group call	8.4.0	8.5.0	N1	ASCI
23.003	0097	-	Rel-6	F	NP-050044	N4-050093	approved	Clarification of the TMGI	6.5.0	6.6.0	N4	MBMS
23.003	0093	3	Rel-6	B	NP-050047	N4-050339	approved	CR on WLAN Alternative NAI	6.5.0	6.6.0	N4	WLAN
23.008	0143	1	Rel-6	F	NP-050037	N4-050338	approved	Add reference to implicitlyregistered public user identities set definition	6.4.0	6.5.0	N4	IMS-CCR
23.008	0134	4	Rel-6	B	NP-050057	N4-050306	approved	Adding trace control and configuration parameters to subscriber data in HSS	6.4.0	6.5.0	N4	OAM-Trace
23.012	0019	2	Rel-6	B	NP-050057	N4-050308	approved	Management Based Activation Impacts	6.2.0	6.3.0	N4	OAM-Trace
23.012	0018	2	Rel-6	B	NP-050056	N4-050445	approved	Introduction of Hop Counter for Send Identification	6.2.0	6.3.0	N4	TEI6
23.018	0144	-	Rel-6	B	NP-050057	N4-050211	approved	Management Based Activation Impacts	6.3.0	6.4.0	N4	OEM-TRACE
23.067	0012	1	Rel-6	F	NP-050056	N4-050298	approved	Clarification on mapping of eMLPP priorities	6.0.0	6.1.0	N4	TEI6
23.078	0762	1	Rel-6	F	NP-050051	N4-050361	approved	CR 693 not implemented	6.4.1	6.5.0	N4	TEI6
23.122	0088	1	Rel-6	F	NP-050083	N1-050362	approved	Addition of domain specific access control description	6.3.0	6.4.0	N1	ACBOP
23.122	0089	-	Rel-7	A	NP-050083	N1-050363	approved	Addition of domain specific access control description	7.0.0	7.1.0	N1	ACBOP
23.122	0087	1	Rel-7	F	NP-050086	N1-050380	approved	Minor Clarifications to EHPLMN handling	7.0.0	7.1.0	N1	TEI7
23.153	0087	-	Rel-4	F	NP-050028	N4-050156	approved	Removal of AMR-WB codec	4.11.0	4.12.0	N4	OoBTC
23.153	0088	-	Rel-5	F	NP-050034	N4-050157	approved	Correction of the condition for the insertion of a transcoder	5.9.0	5.10.0	N4	TEI5
23.153	0085	2	Rel-6	F	NP-050053	N4-050470	approved	New 'TFO status' event	6.0.0	6.1.0	N4	TEI6
23.153	0089	-	Rel-6	A	NP-050034	N4-050158	approved	Correction of the condition for the insertion of a transcoder	6.0.0	6.1.0	N4	TEI5
23.172	0030	-	Rel-5	F	NP-050100	N3-050097	approved	Inclusion of Missing HLR Interrogation Parameter for SCUDIF	5.4.0	5.5.0	N3	SCUDIF
23.172	0031	-	Rel-6	A	NP-050100	N3-050098	approved	Inclusion of Missing HLR Interrogation Parameter for SCUDIF	6.1.0	6.2.0	N3	SCUDIF
23.172	0029	3	Rel-6	F	NP-050101	N3-050231	approved	Correction to Network-initiated SCUDIF	6.1.0	6.2.0	N3	TEI6
23.202	0001	-	Rel-6	F	NP-050110	N3-050121	approved	References for Iu and Nb User Plane	6.0.0	6.1.0	N3	CS Data
23.205	0056	-	Rel-6	A	NP-050028	N4-050206	approved	Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	6.0.0	6.1.0	N4	OoBTC
23.205	0052	2	Rel-6	A	NP-050034	N4-050473	approved	Stage 2 Procedure for Emergency Call Indication	6.0.0	6.1.0	N4	TEI5
23.205	0055	-	Rel-5	A	NP-050028	N4-050205	approved	Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	5.7.0	5.8.0	N4	OoBTC
23.205	0045	7	Rel-6	B	NP-050057	N4-050299	approved	Addition of the Trace package	6.0.0	6.1.0	N4	OAM-Trace
23.205	0057	-	Rel-4	F	NP-050028	N4-050405	approved	Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	4.7.0	4.8.0	N4	OoBTC
23.205	0051	2	Rel-5	F	NP-050034	N4-050472	approved	Stage 2 Procedure for Emergency Call Indication	5.7.0	5.8.0	N4	TEI5
23.218	0074	1	Rel-6	F	NP-050073	N1-050288	approved	Default handling	6.2.0	6.3.0	N1	IMS2
23.218	0073	1	Rel-5	F	NP-050069	N1-050287	approved	Default handling	5.7.0	5.8.0	N1	IMS-CCR
23.218	0075	-	Rel-5	F	NP-050069	N1-050222	approved	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	5.7.0	5.8.0	N1	IMS-CCR
23.218	0076	-	Rel-6	A	NP-050069	N1-050223	approved	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	6.2.0	6.3.0	N1	IMS-CCR

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
23.218	0072	-	Rel-6	F	NP-050073	N1-050061	approved	Resolution of references to 24.228	6.2.0	6.3.0	N1	IMS2
23.910	0049	2	Rel-4	F	NP-050098	N3-050194	approved	Nb transport for handover between UMTS and GSM	4.8.0	4.9.0	N3	CS Data
23.910	0050	3	Rel-5	F	NP-050099	N3-050197	approved	Nb transport for handover between UMTS and GSM	5.4.0	5.5.0	N3	CS Data
24.007	0071	-	Rel-5	F	NP-050068	N1-050044	approved	Addition of maximum data rate to RR_SYNC_IND and MMCC_SYNC_IND	5.3.0	5.4.0	N1	SCUDIF
24.007	0072	-	Rel-6	A	NP-050068	N1-050045	approved	Addition of maximum data rate to RR_SYNC_IND and MMCC_SYNC_IND	6.3.0	6.4.0	N1	SCUDIF
24.008	0939	3	Rel-6	F	NP-050083	N1-050417	approved	Addition of domain specific access control	6.7.0	6.8.0	N1	ACBOP
24.008	0952	1	Rel-6	F	NP-050076	N1-050368	approved	Detach for PS and CS during a ongoing CS connection	6.7.0	6.8.0	N1	TEI6
24.008	0951	1	Rel-6	F	NP-050076	N1-050367	approved	GPRS attach type while in DTM	6.7.0	6.8.0	N1	TEI6
24.008	0953	1	Rel-6	F	NP-050076	N1-050369	approved	Condition for Combined RAU after a DTM connection	6.7.0	6.8.0	N1	TEI6
24.008	0935	1	Rel-6	F	NP-050076	N1-050359	approved	Missing Messages in MM and CC Summary Tables	6.7.0	6.8.0	N1	TEI6
24.008	0954	1	Rel-6	F	NP-050071	N1-050196	approved	MBMS Session Management clarifications	6.7.0	6.8.0	N1	MBMS
24.008	0957	2	Rel-6	C	NP-050077	N1-050405	approved	Modification of MS Behaviour under GPRS Attach with Reject Cause #14	6.7.0	6.8.0	N1	TEI6
24.008	0933	2	Rel-6	B	NP-050070	N1-050313	approved	Defining TMGI and MBMS Session Id in the mobile identity field	6.7.0	6.8.0	N1	MBMS
24.008	0950	2	Rel-6	B	NP-050085	N1-050404	approved	Provision of MS specific UTRAN capabilities for the PS handover from GERAN to UTRAN	6.7.0	6.8.0	N1	SCSAGB
24.008	0956	1	Rel-6	B	NP-050071	N1-050198	approved	Introduction of MBMS in clause 8	6.7.0	6.8.0	N1	MBMS, TEI6
24.008	0931	1	Rel-6	B	NP-050071	N1-050307	approved	Synchronization of MBMS context status between UE and SGSN	6.7.0	6.8.0	N1	MBMS
24.008	0958	-	Rel-6	F	NP-050070	N1-050207	approved	Mapping of 'MBMS notification response' to RRC establishment cause	6.7.0	6.8.0	N1	MBMS
24.008	0934	1	Rel-6	F	NP-050070	N1-050311	approved	Correct GPRS SM List and MBMS IE Descriptions	6.7.0	6.8.0	N1	MBMS
24.008	0932	-	Rel-6	F	NP-050076	N1-050047	approved	Correction of the heading of subclause 4.7.3.1.6, bullet d.1	6.7.0	6.8.0	N1	TEI6
24.030	0023	1	Rel-6	F	NP-050049	N4-050366	approved	Pseudonym indicator support in MO-LR	6.2.0	6.3.0	N4	LCS2
24.030	0022	2	Rel-6	F	NP-050049	N4-050364	approved	Miss alignment with stage 2 on reuse mechanism	6.2.0	6.3.0	N4	LCS2
24.080	0044	1	Rel-6	F	NP-050049	N4-050367	approved	Pseudonym indicator support in MO-LR	6.2.0	6.3.0	N4	LCS2
24.080	0043	1	Rel-6	F	NP-050049	N4-050365	approved	Miss alignment with stage 2 on reuse mechanism	6.2.0	6.3.0	N4	LCS2
24.109	0011	1	Rel-6	F	NP-050082	N1-050357	approved	Editorial corrections	6.1.0	6.2.0	N1	SEC1-SC
24.109	0012	2	Rel-6	F	NP-050130	-	approved	PSK TLS updates	6.1.0	6.2.0	N1	SEC1-SC
24.109	0012	1	Rel-6	F	NP-050081	N1-050358	revised	PSK TLS updates	6.1.0		N1	SEC1-SC
24.141	0035	-	Rel-6	F	NP-050078	N1-050082	approved	Authentication proxy for presence	6.2.0	6.3.0	N1	PRESNC
24.141	0034	1	Rel-6	F	NP-050073	N1-050321	approved	Resolution of references to 24.228	6.2.0	6.3.0	N1	IMS2
24.141	0037	-	Rel-6	D	NP-050078	N1-050243	approved	XCAP-change clarification	6.2.0	6.3.0	N1	PRESNC
24.141	0039	-	Rel-6	F	NP-050078	N1-050245	approved	IFC corrections	6.2.0	6.3.0	N1	PRESNC
24.141	0038	-	Rel-6	F	NP-050078	N1-050244	approved	XCAP-change correction	6.2.0	6.3.0	N1	PRESNC
24.147	0020	1	Rel-6	F	NP-050073	N1-050322	approved	Resolution of references to 24.228	6.1.0	6.2.0	N1	IMS2
24.147	0022	2	Rel-6	C	NP-050072	N1-050374	approved	Deleting CPCP and BFCP from Rel-6 IMS Conferencing	6.1.0	6.2.0	N1	IMS2
24.228	0137	2	Rel-5	F	NP-050069	N1-050298	approved	Correction to interaction between S-CSCF and HSS in Network initiated deregistration procedure	5.11.0	5.12.0	N1	IMS-CCR
24.229	0824	1	Rel-6	F	NP-050074	N1-050351	approved	Removal of the UE table for 'status codes'	6.5.1	6.6.0	N1	IMS2
24.229	0828	1	Rel-6	F	NP-050074	N1-050337	approved	Corrections to the tables for 'MESSAGE'	6.5.1	6.6.0	N1	IMS2

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
24.229	0821	1	Rel-6	F	NP-050073	N1-050297	approved	Handling topmost Route header at the P-CSCF	6.5.1	6.6.0	N1	IMS2
24.229	0786	1	Rel-6	F	NP-050073	N1-050324	approved	Cleanups resulting from CR changes for last version	6.5.1	6.6.0	N1	IMS2
24.229	0839	-	Rel-5	F	NP-050069	N1-050220	approved	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	5.11.1	5.12.0	N1	IMS-CCR
24.229	0817	-	Rel-6	D	NP-050073	N1-050129	approved	Editorial corrections	6.5.1	6.6.0	N1	IMS2
24.229	0841	-	Rel-6	F	NP-050073	N1-050225	approved	Filtering of the P-Access-Network-Info header by the S-CSCF and privacy rules	6.5.1	6.6.0	N1	IMS2
24.229	0806	1	Rel-6	A	NP-050069	N1-050292	approved	Use of original dialog identifier at AS	6.5.1	6.6.0	N1	IMS-CCR
24.229	0729	1	Rel-6	F	NP-050073	N1-050066	revised	Incorporation of draft-ietf-sip-rfc3312-update-03.txt	6.5.1		N1	IMS2
24.229	0790	-	Rel-6	F	NP-050073	N1-050076	approved	Registration - Abnormal Case	6.5.1	6.6.0	N1	IMS2
24.229	0794	-	Rel-6	F	NP-050073	N1-050080	approved	RFC 3966	6.5.1	6.6.0	N1	IMS2
24.229	0837	1	Rel-6	F	NP-050074	N1-050346	approved	Corrections to the tables for SDP	6.5.1	6.6.0	N1	IMS2
24.229	0849	1	Rel-6	F	NP-050073	N1-050326	revised	Corrections to addition of session set-up not requiring preconditions and reliable transport of provisional responses	6.5.1		N1	IMS2
24.229	0834	1	Rel-6	F	NP-050074	N1-050343	approved	Corrections to the tables for 'REGISTER'	6.5.1	6.6.0	N1	IMS2
24.229	0848	1	Rel-6	F	NP-050073	N1-050299	approved	Removal of I-CSCF normative requirement on Cx interface	6.5.1	6.6.0	N1	IMS2
24.229	0809	1	Rel-5	F	NP-050069	N1-050295	approved	IOI storage at MGCF	5.11.1	5.12.0	N1	IMS-CCR
24.229	0788	1	Rel-6	F	NP-050075	N1-050387	approved	MO - Calls to IPv4 SIP terminals	6.5.1	6.6.0	N1	IMS2
24.229	0822	1	Rel-6	F	NP-050074	N1-050332	approved	Corrections to the UE tables for 'major capabilities'	6.5.1	6.6.0	N1	IMS2
24.229	0832	1	Rel-6	F	NP-050074	N1-050341	approved	Corrections to the tables for 'PUBLISH'	6.5.1	6.6.0	N1	IMS2
24.229	0830	1	Rel-6	F	NP-050074	N1-050339	approved	Corrections to the tables for 'OPTIONS'	6.5.1	6.6.0	N1	IMS2
24.229	0801	3	Rel-6	A	NP-050075	N1-050418	approved	Default handling associated with the trigger at the S-CSCF	6.5.1	6.6.0	N1	IMS2
24.229	0818	3	Rel-6	F	NP-050075	N1-050414	approved	Corrections to subclause 5.5 in TS 24.229	6.5.1	6.6.0	N1	IMS2
24.229	0803	4	Rel-6	F	NP-050075	N1-050421	approved	Default handling associated with the trigger for third party registration	6.5.1	6.6.0	N1	IMS2
24.229	0851	2	Rel-6	C	NP-050075	N1-050395	approved	Press and im URIs in incoming requests	6.5.1	6.6.0	N1	IMS2
24.229	0831	1	Rel-6	F	NP-050074	N1-050340	approved	Corrections to the tables for 'PRACK'	6.5.1	6.6.0	N1	IMS2
24.229	0846	2	Rel-6	F	NP-050075	N1-050413	approved	Correction to the Registration procedure	6.5.1	6.6.0	N1	IMS2
24.229	0836	1	Rel-6	F	NP-050074	N1-050345	approved	Corrections to the tables for 'UPDATE'	6.5.1	6.6.0	N1	IMS2
24.229	0826	1	Rel-6	F	NP-050074	N1-050335	approved	Corrections to the tables for 'CANCEL'	6.5.1	6.6.0	N1	IMS2
24.229	0827	1	Rel-6	F	NP-050074	N1-050336	approved	Corrections to the tables for 'INVITE'	6.5.1	6.6.0	N1	IMS2
24.229	0795	1	Rel-6	F	NP-050078	N1-050306	approved	Sip-profile package in major capabilities	6.5.1	6.6.0	N1	PRESNC
24.229	0829	1	Rel-6	F	NP-050074	N1-050338	approved	Corrections to the tables for 'NOTIFY'	6.5.1	6.6.0	N1	IMS2
24.229	0823	1	Rel-6	F	NP-050074	N1-050333	approved	Corrections to the tables for 'BYE'	6.5.1	6.6.0	N1	IMS2
24.229	0825	1	Rel-6	F	NP-050074	N1-050334	approved	Corrections to the UE tables for 'ACK'	6.5.1	6.6.0	N1	IMS2
24.229	0833	1	Rel-6	F	NP-050074	N1-050342	approved	Corrections to the tables for 'REFER'	6.5.1	6.6.0	N1	IMS2
24.229	0835	1	Rel-6	F	NP-050074	N1-050344	approved	Corrections to the tables for 'SUBSCRIBE'	6.5.1	6.6.0	N1	IMS2
24.229	0850	1	Rel-6	F	NP-050075	N1-050348	approved	Addition of IMS-ALF to profile tables	6.5.1	6.6.0	N1	IMS2
24.229	0784	-	Rel-5	F	NP-050069	N1-050051	approved	Deregistration effect on active sessions	5.11.1	5.12.0	N1	IMS-CCR
24.229	0810	1	Rel-6	A	NP-050069	N1-050296	approved	IOI storage at MGCF	6.5.1	6.6.0	N1	IMS-CCR

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
24.229	0849	2	Rel-6	F	NP-050127	-	approved	Corrections to addition of session set-up not requiring preconditions and reliable transport of provisional responses	6.5.1	6.6.0	N1	IMS2
24.229	0808	2	Rel-6	A	NP-050069	N1-050402	approved	Checking Request-URI for terminating requests at the S-CSCF	6.5.1	6.6.0	N1	IMS-CCR
24.229	0840	-	Rel-6	A	NP-050069	N1-050221	approved	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	6.5.1	6.6.0	N1	IMS-CCR
24.229	0805	1	Rel-5	F	NP-050069	N1-050291	approved	Use of original dialog identifier at AS	5.11.1	5.12.0	N1	IMS-CCR
24.229	0807	2	Rel-5	F	NP-050069	N1-050401	approved	Checking Request-URI for terminating requests at the S-CSCF	5.11.1	5.12.0	N1	IMS-CCR
24.229	0785	-	Rel-6	A	NP-050069	N1-050052	approved	Deregistration effect on active sessions	6.5.1	6.6.0	N1	IMS-CCR
24.234	0020	3	Rel-6	F	NP-050115	-	approved	Fallback to full authentication	6.1.1	6.2.0	N1	WLAN
24.234	0021	2	Rel-6	D	NP-050079	N1-050353	approved	Correction of Abbreviation Usage	6.1.1	6.2.0	N1	WLAN
24.234	0019	1	Rel-6	B	NP-050079	N1-050352	approved	PLMN selection for WLAN	6.1.1	6.2.0	N1	WLAN
24.234	0020	2	Rel-6	F	NP-050117	N1-050354	revised	Fallback to full authentication	6.1.1		N1	WLAN
24.234	0017	3	Rel-6	F	NP-050080	N1-050356	approved	On 3GPP IP access independence	6.1.1	6.2.0	N1	WLAN-IW
24.247	0002	3	Rel-6	F	NP-050075	N1-050412	approved	MESSAGE to multiple recipients	6.0.1	6.1.0	N1	IMS2
24.247	0010	2	Rel-6	C	NP-050073	N1-050315	approved	Removing CPCP from 24.247	6.0.1	6.1.0	N1	IMS2
24.247	0011	1	Rel-6	F	NP-050073	N1-050316	approved	Corrections to Message Session Flows to align with draft-ietf-simple-message-sessions-09	6.0.1	6.1.0	N1	IMS2
24.247	0001	1	Rel-6	F	NP-050073	N1-050323	approved	Resolution of references to 24.228	6.0.1	6.1.0	N1	IMS2
24.247	0003	-	Rel-6	F	NP-050073	N1-050107	approved	MESSAGE to unregistered user	6.0.1	6.1.0	N1	IMS2
24.247	0009	2	Rel-6	F	NP-050075	N1-050391	approved	Clarifications to TS 24.247 subclause 9.3	6.0.1	6.1.0	N1	IMS2
24.247	0008	1	Rel-6	F	NP-050073	N1-050318	approved	Alignment between TS 23.228/ TS 22.340 and TS 24.247 for immediate messaging	6.0.1	6.1.0	N1	IMS2
24.247	0007	2	Rel-6	F	NP-050075	N1-050390	approved	Alignment between TS 22.340 and on TS 24.247 for "is composing"	6.0.1	6.1.0	N1	IMS2
29.002	0749	1	Rel-6	B	NP-050057	N4-050212	approved	Management Based Activation Impacts	6.8.0	6.9.0	N4	OEM-TRACE
29.002	0759	1	Rel-6	C	NP-050040	N4-050444	approved	Addition of TCAP-Handshake for MO-ForwardSM	6.8.0	6.9.0	N4	TEI6
29.002	0760	1	Rel-6	F	NP-050052	N4-050430	approved	Subscribed Charging Characteristics	6.8.0	6.9.0	N4	TEI6
29.002	0745	2	Rel-6	B	NP-050056	N4-050446	approved	Introduction of Hop Counter for Send Identification	6.8.0	6.9.0	N4	TEI6
29.002	0763	2	Rel-6	F	NP-050049	N4-050467	approved	Pseudonym indicator support in MO-LR	6.8.0	6.9.0	N4	LCS2
29.002	0738	8	Rel-6	F	NP-050057	N4-050463	approved	Rel-6 trace management additions to trace activation and deactivation procedures	6.8.0	6.9.0	N4	OAM-Trace
29.002	0761	1	Rel-6	F	NP-050054	N4-050369	approved	Addition of LAI to SendIdentification Request	6.8.0	6.9.0	N4	TEI6
29.007	0109	3	Rel-6	A	NP-050099	N3-050201	approved	Nb transport for handover between UMTS and GSM	6.0.0	6.1.0	N3	CS Data
29.007	0108	2	Rel-5	F	NP-050099	N3-050199	approved	Nb transport for handover between UMTS and GSM	5.10.0	5.11.0	N3	CS Data
29.007	0107	3	Rel-4	F	NP-050098	N3-050198	approved	Nb transport for handover between UMTS and GSM	4.11.0	4.12.0	N3	CS Data
29.010	0112	-	Rel-6	F	NP-050056	N4-050128	approved	Correction of partly implemented CR 108	6.4.0	6.5.0	N4	TEI6
29.018	0043	2	Rel-6	B	NP-050084	N1-050396	approved	Management Based Activation Impacts	6.1.0	6.2.0	N1	OEM -Trace
29.060	0535	1	Rel-6	F	NP-050052	N4-050432	approved	Clarification of IPv4 and IPv6 node addresses in the SRNS Relocation Procedure.	6.7.0	6.8.0	N4	TEI6
29.060	0470	7	Rel-6	C	NP-050057	N4-050305	approved	Additional Trace information	6.7.0	6.8.0	N4	OAM-Trace
29.060	0528	1	Rel-6	F	NP-050135	N4-050429	approved	Clarification to error handling of IEs of type TV	6.7.0	6.8.0	N4	TEI6

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
29.060	0534	1	Rel-6	A	NP-050033	N4-050440	approved	Add Source RNC PDCP context info IE in Forward SRNS Context message	6.7.0	6.8.0	N4	TEI6
29.060	0530	-	Rel-6	F	NP-050052	N4-050132	approved	Update of references to PS charging specification	6.7.0	6.8.0	N4	TEI6
29.060	0540	1	Rel-6	A	NP-050033	N4-050442	approved	Clarification of PCO IE in Update PDP context response	6.7.0	6.8.0	N4	TEI5
29.060	0536	1	Rel-6	F	NP-050052	N4-050433	approved	Support of IPv4 and IPv6 node addresses in Inter-SGSN RAU procedure	6.7.0	6.8.0	N4	TEI6
29.060	0539	-	Rel-6	F	NP-050052	N4-050170	approved	Correction of Type values	6.7.0	6.8.0	N4	TEI6
29.060	0529	1	Rel-6	B	NP-050056	N4-050447	approved	Introduction of Hop Counter to Identification Request and SGSN Context Request	6.7.0	6.8.0	N4	TEI6
29.060	0547	1	Rel-6	F	NP-050044	N4-050340	approved	Enhanced NSAPI for MBMS	6.7.0	6.8.0	N4	MBMS
29.060	0543	1	Rel-6	B	NP-050057	N4-050309	approved	Management Based Trace Activation Signalling	6.7.0	6.8.0	N4	OAM-Trace
29.060	0531	-	Rel-6	F	NP-050044	N4-050137	approved	Providing the BM-SC with approximate UE location information at MBMS context activation	6.7.0	6.8.0	N4	MBMS
29.060	0533	1	Rel-5	F	NP-050033	N4-050439	approved	Add Source RNC PDCP context info IE in Forward SRNS Context message	5.12.0	5.13.0	N4	TEI5
29.060	0538	1	Rel-6	B	NP-050050	N4-050443	approved	Addition of Selected PLMN-ID for network sharing	6.7.0	6.8.0	N4	NTShar-UTRANenh
29.060	0537	1	Rel-6	F	NP-050052	N4-050434	approved	Add the Common Flags IE to GGSN-Initiated Update PDP Context Request message	6.7.0	6.8.0	N4	TEI6
29.060	0544	-	Rel-6	F	NP-050052	N4-050184	approved	Addition of RIM Routing Address for GERAN	6.7.0	6.8.0	N4	TEI6
29.060	0549	-	Rel-6	F	NP-050044	N4-050342	approved	Change of newly added IEs in Rel-6 to type TLV	6.7.0	6.8.0	N4	MBMS
29.060	0541	1	Rel-5	F	NP-050033	N4-050441	approved	Clarification of PCO IE in Update PDP context response	5.12.0	5.13.0	N4	TEI5
29.060	0546	1	Rel-6	F	NP-050044	N4-050341	approved	Adding missing parameters to the MBMS Session Start Request message	6.7.0	6.8.0	N4	MBMS
29.060	0550	-	Rel-6	F	NP-050052	N4-050399	approved	Correction to Radio Priority LCS IE	6.7.0	6.8.0	N4	TEI6
29.061	0147	-	Rel-6	F	NP-050108	N3-050046	approved	Text correction and multiple MBMS-Service-Area	6.3.1	6.4.0	N3	MBMS
29.061	0155	1	Rel-6	F	NP-050102	N3-050142	approved	Update of IETF related references	6.3.1	6.4.0	N3	TEI6
29.061	0158	1	Rel-6	F	NP-050108	N3-050171	approved	Indefinite MBMS session duration	6.3.1	6.4.0	N3	MBMS
29.061	0141	-	Rel-6	F	NP-050108	N3-050015	approved	Adding the TMGI to the Session Start message	6.3.1	6.4.0	N3	MBMS
29.061	0146	1	Rel-6	F	NP-050108	N3-050159	approved	Adding the multicast address and the APN to the Gmb Session Start message	6.3.1	6.4.0	N3	MBMS
29.061	0144	-	Rel-6	F	NP-050108	N3-050018	approved	Adding in the 2G/3G indicator to the Session Start message	6.3.1	6.4.0	N3	MBMS
29.061	0143	1	Rel-6	F	NP-050108	N3-050163	approved	Various corrections of Gmb	6.3.1	6.4.0	N3	MBMS
29.061	0145	2	Rel-6	F	NP-050108	N3-050225	approved	Adding the MBMS session id to the Gmb Session Start message	6.3.1	6.4.0	N3	MBMS
29.061	0142	1	Rel-6	F	NP-050108	N3-050157	approved	Adding list of downstream nodes in the Session Start message	6.3.1	6.4.0	N3	MBMS
29.061	0157	1	Rel-6	B	NP-050107	N3-050156	approved	Pk Interface	6.3.1	6.4.0	N3	PRESNC
29.061	0148	1	Rel-6	F	NP-050108	N3-050160	approved	Providing the BM-SC with approximate UE location information at MBMS context activation.	6.3.1	6.4.0	N3	MBMS
29.109	0012	-	Rel-6	F	NP-050041	N4-050095	approved	Clarification of LifeTime/ExpiryTime terminology	6.1.1	6.2.0	N4	SEC1-SC
29.109	0010	-	Rel-6	C	NP-050041	N4-050067	approved	GAA Error Codes	6.1.1	6.2.0	N4	SEC1-SC
29.109	0014	1	Rel-6	C	NP-050041	N4-050359	approved	Modification of key lifetime material	6.1.1	6.2.0	N4	SEC1-SC
29.109	0011	-	Rel-6	F	NP-050041	N4-050094	approved	Only one AV from HSS to BSF	6.1.1	6.2.0	N4	SEC1-SC
29.109	0013	1	Rel-6	F	NP-050041	N4-050358	approved	Application identifiers to Z-interfaces	6.1.1	6.2.0	N4	SEC1-SC
29.163	0060	1	Rel-6	F	NP-050105	N3-050152	approved	Corrections to AMR codec parameters	6.5.0	6.6.0	N3	IMS-CCR-IWCS
29.198-03	0129	-	Rel-6	F	NP-050020	N5-050050	approved	Add TpServiceTypeName for Multimedia Messaging SCF	6.3.1	6.4.0	N5	OSA3

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
29.199-01	0001	-	Rel-6	C	NP-050021	N5-050098	approved	Add common fault for Short Messaging and Multimedia Messaging APIs	6.0.0	6.1.0	N5	OSA3
29.199-01	0002	-	Rel-6	F	NP-050021	N5-050101	approved	Introduce cross- reference to ETSI TISPAN TRs, that define an informative mapping of the Parlay X Web Services to the Parlay/OSA APIs	6.0.0	6.1.0	N5	OSA3
29.199-04	0004	-	Rel-6	F	NP-050021	N5-050080	approved	Fix StopSMSNotification message part	6.1.0	6.2.0	N5	OSA3
29.199-04	0003	-	Rel-6	C	NP-050021	N5-050096	approved	Correct criteria	6.1.0	6.2.0	N5	OSA3
29.199-05	0002	-	Rel-6	C	NP-050021	N5-050097	approved	Correct criteria	6.1.0	6.2.0	N5	OSA3
29.199-05	0003	-	Rel-6	F	NP-050021	N5-050095	approved	Fix StopMessageNotification message part	6.1.0	6.2.0	N5	OSA3
29.207	0150	3	Rel-6	F	NP-050106	N3-050202	approved	Clarification on charging identifier(s) exchange.	6.2.0	6.3.0	N3	QoS1
29.208	0097	1	Rel-6	F	NP-050103	N3-050223	approved	Change of port number	6.2.1	6.3.0	N3	E2EQOS
29.208	0095	1	Rel-6	F	NP-050103	N3-050144	approved	Essential clarification of the Scope for call flows	6.2.1	6.3.0	N3	E2EQOS
29.209	0012	3	Rel-6	F	NP-050106	N3-050203	approved	Clarification on charging identifier(s) exchange.	6.1.0	6.2.0	N3	QoS1
29.209	0011	-	Rel-6	F	NP-050106	N3-050053	approved	Correction to Specific-Action AVP terminology	6.1.0	6.2.0	N3	QoS1
29.209	0013	3	Rel-6	F	NP-050114	N3-050218	approved	Specific Action AVP update	6.1.0	6.2.0	N3	CH-FBC
29.210	0007	2	Rel-6	F	NP-050109	N3-050209	approved	Correction of AF Definition	6.0.0	6.1.0	N3	CH-FBC
29.210	0003	2	Rel-6	F	NP-050109	N3-050222	approved	Clarification on the use of the application-ids on NOT_APPLICABLE notifications	6.0.0	6.1.0	N3	CH-FBC
29.210	0001	3	Rel-6	F	NP-050109	N3-050219	approved	Extend the Rule Name uniqueness to the whole system	6.0.0	6.1.0	N3	CH-FBC
29.210	0009	2	Rel-6	F	NP-050109	N3-050221	approved	RAT Type AVP definition	6.0.0	6.1.0	N3	CH-FBC
29.210	0005	1	Rel-6	F	NP-050109	N3-050174	approved	Clarifications for Indication of Bearer Termination	6.0.0	6.1.0	N3	CH-FBC
29.210	0006	3	Rel-6	F	NP-050109	N3-050226	approved	TFT filter clarifications	6.0.0	6.1.0	N3	CH-FBC
29.228	0165	-	Rel-5	F	NP-050030	N4-050147	approved	Avoiding undesired deregistration	5.10.0	5.11.0	N4	IMS-CCR
29.228	0167	1	Rel-5	F	NP-050030	N4-050334	approved	Correction to authentication procedures in not registered case	5.10.0	5.11.0	N4	IMS-CCR
29.228	0168	1	Rel-6	A	NP-050030	N4-050335	approved	Correction to authentication procedures in not registered case	6.5.0	6.6.0	N4	IMS-CCR
29.228	0177	-	Rel-5	F	NP-050030	N4-050331	approved	HSS initiated deregistration using the network initiated de-registration procedure	5.10.0	5.11.0	N4	IMS-CCR
29.228	0166	-	Rel-6	A	NP-050030	N4-050148	approved	Avoiding undesired deregistration	6.5.0	6.6.0	N4	IMS-CCR
29.228	0170	3	Rel-6	F	NP-050037	N4-050460	approved	Clarification of Behaviour of Shared Public User Identities	6.5.0	6.6.0	N4	IMS2-CCR
29.228	0172	-	Rel-6	F	NP-050037	N4-050197	approved	Distribution of Cipher key and integrity Key	6.5.0	6.6.0	N4	IMS2-CCR
29.229	0077	2	Rel-5	F	NP-050030	N4-050456	approved	Correction of Authentication-related AVPs	5.9.0	5.10.0	N4	IMS-CCR
29.229	0081	1	Rel-5	F	NP-050030	N4-050336	approved	Introduction of Failed AVP	5.9.0	5.10.0	N4	IMS-CCR
29.229	0082	1	Rel-6	A	NP-050030	N4-050337	approved	Introduction of Failed AVP	6.3.0	6.4.0	N4	IMS-CCR
29.229	0079	-	Rel-6	F	NP-050037	N4-050154	approved	TEL-URI reference update	6.3.0	6.4.0	N4	IMS2-CCR
29.229	0078	2	Rel-6	A	NP-050030	N4-050457	approved	Correction of Authentication-related AVPs	6.3.0	6.4.0	N4	IMS-CCR
29.230	0046	-	Rel-6	F	NP-050039	N4-050311	approved	Allocation of Diameter Command Codes and AVP codes	6.2.0	6.3.0	N4	IMS2-CCR
29.230	0045	-	Rel-6	F	NP-050039	N4-050295	approved	Allocations for Gmb	6.2.0	6.3.0	N4	IMS2-CCR
29.230	0043	-	Rel-6	F	NP-050039	N4-050204	approved	Allocations for Gx interface	6.2.0	6.3.0	N4	TEI6

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
29.230	0040	1	Rel-6	F	NP-050047	N4-050279	approved	WLAN Diameter AVP and result codes	6.2.0	6.3.0	N4	WLAN
29.232	0118	3	Rel-4	F	NP-050129	-	revised	Requirements for support of procedures	4.10.0		N4	TEI4
29.232	0120	3	Rel-6	A	NP-050129	-	revised	Requirements for support of procedures	6.0.0		N4	TEI4
29.232	0119	3	Rel-5	A	NP-050129	-	revised	Requirements for support of procedures	5.9.0		N4	TEI4
29.232	0163	-	Rel-5	A	NP-050029	N4-050236	approved	Alignment of TFO Activation Procedure and associated parameters	5.9.0	5.10.0	N4	TEI4
29.232	0098	-	Rel-6	A	NP-050029	N4-050042	approved	Corrections to table 14.2	6.0.0	6.1.0	N4	TEI4
29.232	0165	2	Rel-6	F	NP-050055	N4-050471	approved	Continuity Test	6.0.0	6.1.0	N4	TEI6
29.232	0161	-	Rel-6	A	NP-050029	N4-050234	approved	VPF Type Removal	6.0.0	6.1.0	N4	TEI4
29.232	0101	1	Rel-6	A	NP-050029	N4-050386	approved	Requirements for support of H.248 packages	6.0.0	6.1.0	N4	TEI5
29.232	0105	-	Rel-5	F	NP-050036	N4-050049	approved	Correction of implied option for Embedded Signals and Events	5.9.0	5.10.0	N4	TEI5
29.232	0099	1	Rel-4	F	NP-050029	N4-050384	approved	Requirements for support of H.248 packages	4.10.0	4.11.0	N4	TEI4
29.232	0121	2	Rel-5	F	NP-050034	N4-050474	approved	Procedure for Emergency Call Indication	5.9.0	5.10.0	N4	TEI5
29.232	0119	2	Rel-5	A	NP-050029	N4-050481	revised	Requirements for support of procedures	5.9.0		N4	TEI4
29.232	0160	-	Rel-5	A	NP-050029	N4-050233	approved	VPF Type Removal	5.9.0	5.10.0	N4	TEI4
29.232	0113	-	Rel-6	A	NP-050036	N4-050057	approved	Removal of the Multiplex descriptor	6.0.0	6.1.0	N4	TEI5
29.232	0096	-	Rel-4	F	NP-050029	N4-050040	approved	Corrections to table 14.2	4.10.0	4.11.0	N4	TEI4
29.232	0127	-	Rel-5	F	NP-050036	N4-050083	approved	Removal of the Error Descriptor usage in NotifyRequest	5.9.0	5.10.0	N4	TEI5
29.232	0167	-	Rel-5	A	NP-050028	N4-050417	approved	TFO procedure clarification	5.9.0	5.10.0	N4	OuBTC
29.232	0129	-	Rel-5	F	NP-050036	N4-050085	approved	Updating incomplete parameter definition for MGW Resource congestion handling procedures	5.9.0	5.10.0	N4	TEI5
29.232	0089	3	Rel-5	F	NP-050036	N4-050395	approved	Commands on ROOT	5.9.0	5.10.0	N4	TEI5
29.232	0138	1	Rel-6	F	NP-050053	N4-050414	approved	New 'TFO status' event	6.0.0	6.1.0	N4	TEI6
29.232	0157	1	Rel-6	A	NP-050036	N4-050413	approved	Introduction of formal profile name for Mc interface	6.0.0	6.1.0	N4	TEI5
29.232	0115	-	Rel-6	A	NP-050036	N4-050059	approved	Removal of the Modem descriptor	6.0.0	6.1.0	N4	TEI5
29.232	0120	2	Rel-6	A	NP-050029	N4-050482	revised	Requirements for support of procedures	6.0.0		N4	TEI4
29.232	0130	-	Rel-6	A	NP-050036	N4-050086	approved	Updating incomplete parameter definition for MGW Resource congestion handling procedures	6.0.0	6.1.0	N4	TEI5
29.232	0135	-	Rel-6	A	NP-050036	N4-050091	approved	Directionality of tones and announcements	6.0.0	6.1.0	N4	TEI5
29.232	0104	1	Rel-6	A	NP-050029	N4-050388	approved	Completion of specification of UMTS Packages	6.0.0	6.1.0	N4	TEI5
29.232	0107	2	Rel-5	F	NP-050036	N4-050476	approved	Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events	5.9.0	5.10.0	N4	TEI5
29.232	0134	-	Rel-5	F	NP-050036	N4-050090	approved	Directionality of tones and announcements	5.9.0	5.10.0	N4	TEI5
29.232	0108	2	Rel-6	A	NP-050036	N4-050477	approved	Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events	6.0.0	6.1.0	N4	TEI5
29.232	0131	-	Rel-6	F	NP-050055	N4-050087	approved	Removal of Signals on ROOT	6.0.0	6.1.0	N4	TEI6
29.232	0149	1	Rel-6	A	NP-050036	N4-050407	approved	Use Of Audit Value	6.0.0	6.1.0	N4	TEI5
29.232	0114	-	Rel-5	F	NP-050036	N4-050058	approved	Removal of the Modem descriptor	5.9.0	5.10.0	N4	TEI5

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
29.232	0151	-	Rel-6	A	NP-050036	N4-050223	approved	Service Change Reasons	6.0.0	6.1.0	N4	TEI5
29.232	0110	1	Rel-5	F	NP-050036	N4-050376	approved	Removal of the usage of the ContextAttributeAuditReq construct	5.9.0	5.10.0	N4	TEI5
29.232	0142	1	Rel-6	A	NP-050028	N4-050404	approved	TFO activation without TFO Codec List	6.0.0	6.1.0	N4	OoBTC
29.232	0060	7	Rel-6	B	NP-050057	N4-050304	approved	Addition of the Trace package	6.0.0	6.1.0	N4	OAM-Trace
29.232	0118	4	Rel-4	F	NP-050133	N4-050480	approved	Requirements for support of procedures	4.10.0	4.11.0	N4	TEI4
29.232	0166	-	Rel-4	F	NP-050028	N4-050416	approved	TFO procedure clarification	4.10.0	4.11.0	N4	OuBTC
29.232	0102	-	Rel-4	F	NP-050029	N4-050046	approved	Completion of specification of UMTS Packages	4.10.0	4.11.0	N4	TEI4
29.232	0164	-	Rel-6	A	NP-050029	N4-050237	approved	Alignment of TFO Activation Procedure and associated parameters	6.0.0	6.1.0	N4	TEI4
29.232	0111	1	Rel-6	A	NP-050036	N4-050377	approved	Removal of the usage of the ContextAttributeAuditReq construct	6.0.0	6.1.0	N4	TEI5
29.232	0148	1	Rel-6	A	NP-050036	N4-050396	approved	Commands on ROOT	6.0.0	6.1.0	N4	TEI5
29.232	0100	1	Rel-5	F	NP-050029	N4-050385	approved	Requirements for support of H.248 packages	5.9.0	5.10.0	N4	TEI5
29.232	0112	-	Rel-5	F	NP-050036	N4-050056	approved	Removal of the Multiplex descriptor	5.9.0	5.10.0	N4	TEI5
29.232	0103	1	Rel-5	F	NP-050029	N4-050387	approved	Completion of specification of UMTS Packages	5.9.0	5.10.0	N4	TEI5
29.232	0106	-	Rel-6	A	NP-050036	N4-050050	approved	Correction of implied option for Embedded Signals and Events	6.0.0	6.1.0	N4	TEI5
29.232	0133	-	Rel-6	F	NP-050055	N4-050089	approved	H.248.1 version contradiction	6.0.0	6.1.0	N4	TEI6
29.232	0139	1	Rel-6	A	NP-050028	N4-050418	approved	TFO procedure clarification	6.0.0	6.1.0	N4	OuBTC
29.232	0140	1	Rel-4	F	NP-050028	N4-050402	approved	TFO activation without TFO Codec List	4.10.0	4.11.0	N4	OoBTC
29.232	0155	1	Rel-6	A	NP-050036	N4-050411	approved	Descriptors In Replies	6.0.0	6.1.0	N4	TEI5
29.232	0087	4	Rel-5	F	NP-050036	N4-050230	approved	Service Change for Failover not defined for Mc Interface	5.9.0	5.10.0	N4	TEI5
29.232	0120	4	Rel-6	A	NP-050133	N4-050482	approved	Requirements for support of procedures	6.0.0	6.1.0	N4	TEI4
29.232	0119	4	Rel-5	F	NP-050133	N4-050481	approved	Requirements for support of procedures	5.9.0	5.10.0	N4	TEI4
29.232	0086	5	Rel-5	F	NP-050036	N4-050406	approved	Use Of Audit Value	5.9.0	5.10.0	N4	TEI5
29.232	0158	-	Rel-6	A	NP-050036	N4-050231	approved	Service Change for Failover not defined for Mc Interface	6.0.0	6.1.0	N4	TEI5
29.232	0128	-	Rel-6	A	NP-050036	N4-050084	approved	Removal of the Error Descriptor usage in NotifyRequest	6.0.0	6.1.0	N4	TEI5
29.232	0159	-	Rel-4	F	NP-050029	N4-050232	approved	VPF Type Removal	4.10.0	4.11.0	N4	TEI4
29.232	0122	2	Rel-6	A	NP-050034	N4-050475	approved	Procedure for Emergency Call Indication	6.0.0	6.1.0	N4	TEI5
29.232	0162	-	Rel-4	F	NP-050029	N4-050235	approved	Alignment of TFO Activation Procedure and associated parameters	4.10.0	4.11.0	N4	TEI4
29.232	0118	2	Rel-4	F	NP-050029	N4-050480	revised	Requirements for support of procedures	4.10.0		N4	TEI4
29.232	0154	1	Rel-5	F	NP-050036	N4-050410	approved	Descriptors In Replies	5.9.0	5.10.0	N4	TEI5
29.232	0150	-	Rel-5	F	NP-050036	N4-050222	approved	Service Change Reasons	5.9.0	5.10.0	N4	TEI5
29.232	0156	1	Rel-5	F	NP-050036	N4-050412	approved	Introduction of formal profile name for Mc interface	5.9.0	5.10.0	N4	TEI5
29.232	0141	1	Rel-5	A	NP-050028	N4-050403	approved	TFO activation without TFO Codec List	5.9.0	5.10.0	N4	OoBTC
29.232	0132	-	Rel-6	F	NP-050055	N4-050088	approved	Removal of usage of Stream ID in Topology descriptor	6.0.0	6.1.0	N4	TEI6
29.232	0097	-	Rel-5	A	NP-050029	N4-050041	approved	Corrections to table 14.2	5.9.0	5.10.0	N4	TEI4
29.234	0035	-	Rel-6	F	NP-050047	N4-050127	approved	Information Element corrections on Wd	6.1.0	6.2.0	N4	WLAN
29.234	0043	-	Rel-6	F	NP-050047	N4-050166	approved	Editorial corrections	6.1.0	6.2.0	N4	WLAN
29.234	0032	-	Rel-6	F	NP-050047	N4-050124	approved	Wa Interface RADIUS profile corrections	6.1.0	6.2.0	N4	WLAN
29.234	0039	1	Rel-6	F	NP-050047	N4-050352	approved	WLAN Diameter AVP and result codes	6.1.0	6.2.0	N4	WLAN

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	C_Ver	N_Ver	WG	Workitem
29.234	0031	-	Rel-6	F	NP-050047	N4-050123	approved	Removal of Wn reference point Definition from the Stage 3	6.1.0	6.2.0	N4	WLAN
29.234	0033	-	Rel-6	F	NP-050047	N4-050125	approved	Wd Interface RADIUS profile corrections	6.1.0	6.2.0	N4	WLAN
29.234	0038	1	Rel-6	F	NP-050047	N4-050351	approved	Description of the RADIUS session termination procedure	6.1.0	6.2.0	N4	WLAN
29.234	0042	2	Rel-6	F	NP-050047	N4-050354	approved	PDG behaviour on Wm interface	6.1.0	6.2.0	N4	WLAN
29.234	0047	1	Rel-6	F	NP-050047	N4-050357	approved	Wa Interface RADIUS profile Information Element corrections	6.1.0	6.2.0	N4	WLAN
29.234	0041	1	Rel-6	F	NP-050047	N4-050353	approved	WLAN Diameter AVP table and chapters coherence revision	6.1.0	6.2.0	N4	WLAN
29.234	0034	1	Rel-6	F	NP-050047	N4-050347	approved	Removal of unnecessary attributes on Wa	6.1.0	6.2.0	N4	WLAN
29.234	0030	1	Rel-6	F	NP-050047	N4-050345	approved	Removal of material duplicating 23.234 in 29.234	6.1.0	6.2.0	N4	WLAN
29.234	0037	1	Rel-6	F	NP-050047	N4-050349	approved	Editorial corrections	6.1.0	6.2.0	N4	WLAN
29.278	0048	1	Rel-5	F	NP-050032	N4-050362	approved	Correction of IETF Reference in TS 29.278	5.3.0	5.4.0	N4	EDCamel
29.278	0049	1	Rel-6	A	NP-050032	N4-050363	approved	Correction of IETF Reference in TS 29.278	6.0.0	6.1.0	N4	EDCamel
29.328	0111	1	Rel-6	F	NP-050038	N4-050314	approved	Clarification on requested identity set	6.4.0	6.5.0	N4	IMS2-CCR
29.328	0121	2	Rel-6	A	NP-050031	N4-050323	approved	Clarification of Sh Access Keys	6.4.0	6.5.0	N4	IMS-CCR
29.328	0120	2	Rel-5	F	NP-050031	N4-050322	approved	Clarification of Sh Access Keys	5.8.0	5.9.0	N4	IMS-CCR
29.328	0113	-	Rel-6	A	NP-050031	N4-050120	approved	Align UML Model and the XML schema for Public Identity	6.4.0	6.5.0	N4	IMS-CCR
29.328	0118	-	Rel-6	A	NP-050031	N4-050152	approved	Sh Diameter AVP Mapping Correction	6.4.0	6.5.0	N4	IMS-CCR
29.328	0098	3	Rel-5	F	NP-050031	N4-050458	approved	Sh-Update needs to include Data-Reference to be future proof	5.8.0	5.9.0	N4	IMS-CCR
29.328	0099	5	Rel-6	A	NP-050031	N4-050459	approved	Sh-Update needs to include Data-Reference to be future proof	6.4.0	6.5.0	N4	IMS-CCR
29.328	0122	2	Rel-6	C	NP-050038	N4-050461	approved	Multiple Terminals in Sh	6.4.0	6.5.0	N4	IMS2-CCR
29.328	0117	-	Rel-5	F	NP-050031	N4-050151	approved	Sh Diameter AVP Mapping Correction	5.8.0	5.9.0	N4	IMS-CCR
29.328	0115	1	Rel-5	F	NP-050031	N4-050320	approved	Conditional Service indication in Sh-Subs-Notif	5.8.0	5.9.0	N4	IMS-CCR
29.328	0116	1	Rel-6	A	NP-050031	N4-050321	approved	Conditional Service indication in Sh-Subs-Notif	6.4.0	6.5.0	N4	IMS-CCR
29.328	0112	-	Rel-5	F	NP-050031	N4-050119	approved	Align UML Model and the XML schema for Public Identity	5.8.0	5.9.0	N4	IMS-CCR
29.329	0057	1	Rel-6	A	NP-050031	N4-050325	approved	Introduction of Failed AVP	6.3.0	6.4.0	N4	IMS-CCR
29.329	0056	1	Rel-5	F	NP-050031	N4-050324	approved	Introduction of Failed AVP	5.8.0	5.9.0	N4	IMS-CCR
29.329	0065	-	Rel-5	F	NP-050031	N4-050121	approved	Incorrect AVP Code for Public-Identity in Table 6.3.1	5.8.0	5.9.0	N4	IMS-CCR
29.329	0064	-	Rel-6	A	NP-050031	N4-050319	approved	Sh-Update needs to include Data-Reference to be future proof	6.3.0	6.4.0	N4	IMS-CCR
29.329	0063	-	Rel-5	F	NP-050031	N4-050318	approved	Sh-Update needs to include Data-Reference to be future proof	5.8.0	5.9.0	N4	IMS-CCR
29.332	0001	1	Rel-6	B	NP-050045	N4-050419	approved	Formal Profile Of Mn Interface	6.0.0	6.1.0	N4	TEI6
29.332	0002	2	Rel-6	F	NP-050045	N4-050465	approved	Corrections to Mn Specification	6.0.0	6.1.0	N4	TEI6
43.068	0030	-	Rel-5	A	NP-050067	N1-050042	approved	Correction of the conditions for establishment of a voice group call	5.4.0	5.5.0	N1	ASCI
43.068	0031	-	Rel-6	A	NP-050067	N1-050043	approved	Correction of the conditions for establishment of a voice group call	6.3.0	6.4.0	N1	ASCI
43.068	0036	1	Rel-6	F	NP-050076	N1-050281	approved	EPRT Inter-PLMN Group Call notification for dispatchers	6.3.0	6.4.0	N1	TEI6
43.068	0029	-	Rel-4	A	NP-050067	N1-050041	approved	Correction of the conditions for establishment of a voice group call	4.4.0	4.5.0	N1	ASCI
43.069	0023	1	Rel-6	F	NP-050076	N1-050282	approved	EPRT Inter-PLMN Broadcast Call notification for dispatchers	6.1.0	6.2.0	N1	TEI6

For latest details please see the 3GPP specifications database at ftp://ftp.3gpp.org/Information/Databases/Spec_Status/

ANNEX B Tdoc List

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
NP-050001	2	AGENDA	DRAFT Agenda for CN#27 Meeting		CN Chair		APPROVED
NP-050002	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: before meeting		CN V. Chair		NOTED
NP-050003	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: start of day 1		CN V. Chair		NOTED
NP-050004	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: end of day 1		CN V. Chair		NOTED
NP-050005	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: end of day 2		CN V. Chair		NOTED
NP-050006	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: end of day 3		CN V. Chair		NOTED
NP-050007	3	REPORT	Draft Meeting Report from CN#26		MCC, DAB		REVISED TO 0128
NP-050008	12	WORK PLAN	Latest version of 3GPP Workplan		MCC, Sultan		NOTED
NP-050009	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)		MCC, Sultan		REVISED TO 0142
NP-050010	5	LS IN	About the Workshop on "IMS over Fixed Access" (30-31 March 2005) [05TD266r2]		TISPAN		NOTED
NP-050011	5	LS IN	LS from Q.1/19 to SDOs [COM19-LS004]		ITU-SG19		NOTED
NP-050012	5	LS IN	Re. LS to LS on "Reservation of two new sub domains under '.3gppnetwork.org'" from 3GPP TSG CN [IREG48_035 Rev 1]		GSMA IREG		NOTED
NP-050013	5	LS IN	Re. LS on IP multimedia group management and messaging capabilities [S1-050159]		SA1		NOTED
NP-050014	5	LS IN	LS on OSA Stage 2 - A cross-releases Overview [S2-050351]		SA2		NOTED
NP-050015	5	LS IN	Re. LS on the Workshop on "IMS over Fixed Access" (30th – 31st March 2005) [S2-050504]		SA2		NOTED
NP-050016	5	LS IN	Reply to TISPAN on Workshop on "IMS over Fixed Access" [SP-040929]		SA		NOTED
NP-050017	5	LS IN	LS on Application-ID values [T2-050030]		T2		NOTED
NP-050018	6.5.1	REPORT	Status Report for TSG CN WG5		CN5		NOTED
NP-050019	6.5.1	REPORT	CN5#30 Meeting Report		CN5		NOTED
NP-050020	9.7	CR	Rel-6 CR 29.198-03 OSA API Framework: Add TpServiceTypeName for Multimedia Messaging SCF	Rel-6	CN5		APPROVED
NP-050021	9.7	CR PACK	6 Rel-6 CRs 29.199-xy OSA Parlay X Web Serices	Rel-6	CN5		APPROVED
NP-050022	9.7	TS	Rel-6 Draft TS 23.198 v200 (OSA Stage 2) – for Approval	Rel-6	CN5		REVISED TO 0131
NP-050023	Rel-7 OSA	WID	Rel-7 SA1 Draft WID and CR 22.127 (OSA Stage 1) to go for SA March 2005 Approval – for CN Information & endorsement of the WID	Rel-7	CN5		NOTED
NP-050024	6.5.1	LS PACK	All LSs sent from CN5 since TSG CN#26 Meeting		CN5		NOTED

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
NP-050025	6.1.4	REPORT	Status Report for TSG CN WG4		CN4 Chair		NOTED
NP-050026	6.1.4	REPORT	CN4#26 Meeting Report		MCC		NOTED
NP-050027	6.1.4	LS PACK	All LSs sent from CN4 since TSG CN#26 Meeting		MCC		NOTED
NP-050028	7.7	CR PACK	CRs to Rel-4 on Work Item OoBTC	Rel-4	CN4		APPROVED
NP-050029	7.11	CR PACK	CRs to Rel-4 on Work Item small Technical Enhancements and Improvements	Rel-4	CN4		PART APPROVED
NP-050030	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface	Rel-5	CN4		APPROVED
NP-050031	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface	Rel-5	CN4		APPROVED
NP-050032	8.3	CR PACK	CRs to Rel-5 on Work Item EDCamel	Rel-5	CN4		APPROVED
NP-050033	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on GPRS	Rel-5	CN4		APPROVED
NP-050034	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on OoBTC	Rel-5	CN4		APPROVED
NP-050035	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements	Rel-5	CN4		WITHDRAWN
NP-050036	8.9	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Mc-Interface	Rel-5	CN4		APPROVED
NP-050037	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services Cx-/Dx-interface	Rel-5	CN4		APPROVED
NP-050038	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services Sh-interface	Rel-5	CN4		APPROVED
NP-050039	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination	Rel-6	CN4		APPROVED
NP-050040	9.3	CR PACK	CR to Rel-6 on MAP Security	Rel-6	CN4		APPROVED
NP-050041	9.3	CR PACK	CRs to Rel-6 on Subscriber Certificates	Rel-6	CN4		APPROVED
NP-050042	9.6	FORM	Form for exception on GUP for Rel-6	Rel-6	CN4		APPROVED
NP-050043	9.6	TS	3GPP TS 29.240 Generic User Profile v2.0.0 for approval	Rel-6	CN4		APPROVED
NP-050044	9.8	CR PACK	CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service	Rel-6	CN4		APPROVED
NP-050045	9.16	CR PACK	CRs to Rel-6 on Mn-interface	Rel-6	CN4		APPROVED
NP-050046	9.16	FORM	Form for exception on Mn-interface for Rel-6				APPROVED
NP-050047	9.17	CR PACK	CRs to Rel-6 on WLAN	Rel-6	CN4		APPROVED

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
NP-050048	9.17	FORM	Form for exception on WLAN for Rel-6	Rel-6	CN4		REVISED TO 0132
NP-050049	9.18	CR PACK	CRs to Rel-6 on Location Services	Rel-6	CN4		APPROVED
NP-050050	9.19	CR PACK	CR to Rel-6 on Network Sharing	Rel-6	CN4		APPROVED
NP-050051	9.21	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Camel	Rel-6	CN4		APPROVED
NP-050052	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS	Rel-6	CN4		APPROVED
NP-050053	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on OoBTC	Rel-6	CN4		APPROVED
NP-050054	9.21	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP	Rel-6	CN4		APPROVED
NP-050055	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on Mc-interface	Rel-6	CN4		APPROVED
NP-050056	9.21	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on TEI6	Rel-6	CN4		APPROVED
NP-050057	9.22	CR PACK	CR to Rel-6 on Trace management	Rel-6	CN4		APPROVED
NP-050058	6.1.1	REPORT	CN1 Status Report to CN Plenary		CN1 Chairman		NOTED
NP-050059	6.1.1	REPORT	CN1#37 Draft Meeting report		MCC		NOTED
NP-050060	6.1.1	LS PACK	LSs sent from CN1 since CN#26		CN1		NOTED
NP-050061	10.1	WID	Updated Trace WID, Rel-7	Rel-7	CN1		APPROVED
NP-050062	10.1	WID	Improvements of VGCS in public networks for parallel use of services	Rel-7	CN1		REVISED TO 0141
NP-050063	10.1	WID	WID for Combining CS and IMS services & CapabilityDetection mechanism	Rel-7	CN1		APPROVED
NP-050064	10.1	WID	New IMS Application WID for Missing Features	Rel-7	CN1		Sent BACK to CT1
NP-050065	11.2	ToR	Update of CN1 Terms of Reference		CN1		APPROVED
NP-050066	9.1	TS	TS 24.167v2.0.0: 3GPP IMS Management object (MO);Stage 3	Rel-6	CN1		APPROVED
NP-050067	7.12	CR PACK	CRs to R99 WI "ASCI"	R99	CN1		APPROVED
NP-050068	8.7	CR PACK	CRs for Rel-5 WI "SCUDIF"	Rel-5	CN1		APPROVED
NP-050069	8.1	CR PACK	CRs on Rel-5 WI "IMS-CCR" for TS 24.229, 24.228 and 23.218	Rel-5	CN1		APPROVED
NP-050070	9.8	CR PACK	CRs on Rel-6 WI "MBMS" for TS 24.008	Rel-6	CN1		APPROVED

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
NP-050071	9.8	CR PACK	CRs on Rel-6 WI "MBMS, TEI6" for TS 24.008	Rel-6	CN1		APPROVED
NP-050072	9.1	CR Pack2	CR on Rel-6 WI "IMS2" for TS 24.229	Rel-6	CN1		APPROVED
NP-050073	9.1	CR Pack2	CRs on Rel-6 WI "IMS2" for TS 24.229, 23.218, 24.247, 24,147 and 24.141	Rel-6	CN1		PART APPROVED
NP-050074	9.1	CR PACK	CRs on Rel-6 WI "IMS2" for TS 24.229	Rel-6	CN1		APPROVED
NP-050075	9.1	CR Pack2	CRs on Rel-6 WI "IMS2" for TS 24.229 and 24.247	Rel-6	CN1		APPROVED
NP-050076	9.21	CR PACK	CRs to 24.008, 43.068, 43.069	Rel-6	CN1		APPROVED
NP-050077	9.21	CR PACK	CR to Rel-6 WI "TEI6" for TS 24.008	Rel-6	CN1		APPROVED
NP-050078	9.2	CR PACK	CRs on Rel-6 WI "PRESNC" for TS 24.141 and 24.229	Rel-6	CN1		APPROVED
NP-050079	9.17	CR Pack2	CRs on Rel-6 WI "WLAN" for TS 24.234	Rel-6	CN1		APPROVED
NP-050080	9.17	CR Pack2	CR on Rel-6 WI "WLAN-IW" for TS 24.234	Rel-6	CN1		APPROVED
NP-050081	9.3	CR Pack1	CRs on Rel-6 WI "SEC1-SC" for TS 24.109	Rel-6	CN1		REVISED TO 0130
NP-050082	9.3	CR Pack2	CR on Rel-6 WI SEC1-SC for TS 24.109	Rel-6	CN1		APPROVED
NP-050083	9.22	CR PACK	CRs to Rel-6 WI "ACBOP"	Rel-6	CN1		APPROVED
NP-050084	9.22	CR PACK	CR to Rel-6 WI "OEM-Trace" for TS 29.018	Rel-6	CN1		APPROVED
NP-050085	9.22	CR PACK	CR to Rel-6 WI "SCSAGB" for TS 24.008	Rel-6	CN1		APPROVED
NP-050086	10.1	CR PACK	CR to Rel-7 WI TEI7 for TS 23.122	Rel-7	CN1		APPROVED
NP-050087	9.22	DISCUSSION DOC	Rel-6 Exception Request Form for Circuit Switched Video and Voice Service Improvements (CS_VSS)	Rel-6	CN1		APPROVED
NP-050088	9.22	DISCUSSION DOC	Rel-6 Exception Request Form for PS-Handover	Rel-6	CN1		REVISED TO 0138
NP-050089	9.1	DISCUSSION DOC	Rel-6 Exception Request Form for Extensions to SIP capabilities	Rel-6	CN1		APPROVED
NP-050090	5	LS IN	Misalignment amongst the 3GPP specifications, "Re-authentication and key set change during inter-system handover"[N1-050270]	Rel-6	CN1		NOTED
NP-050091	5	LS IN	Reply LS on IP multimedia messaging capabilities [N1-050277]	Rel-6	CN1		NOTED
NP-050092	5	LS IN	LS on status of 3GPP IMS management object [N1-050416]	Rel-6	CN1		NOTED

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
NP-050093	5	LS IN	LS on network-initiated SCUDIF support [N3-050151]	Rel-6	CN3		NOTED
NP-050094	5	LS IN	LS on Cooperation with TISPAN NGN for IMS-CS MGW protocol [N4-050466]	Rel-6	CN4		NOTED
NP-050095	6.3.1	REPORT	Status Report for TSG CN WG3		CN3 Chair		NOTED
NP-050096	6.3.1	REPORT	CN3#35 Meeting Report		MCC		NOTED
NP-050097	6.3.1	LS PACK	All LSs sent from CN3 since TSG CN#26 Meeting		MCC		NOTED
NP-050098	7.12	CR PACK	CRs to Rel-4 on Work Item "Circuit Switched Data Bearer Services"	Rel-4	CN3		APPROVED
NP-050099	8.9	CR PACK	CRs to Rel-5 (with mirror CR) on Work Item "Circuit Switched Data Bearer Services"	Rel-5	CN3		APPROVED
NP-050100	8.7	CR PACK	CRs to Rel-5 (with mirror CR) on Work Item "Service Change and UDI Fallback"	Rel-5	CN3		APPROVED
NP-050101	9.21	CR PACK	CR related to SCUDIF on Work Item TEI-6	Rel-6	CN3		APPROVED
NP-050102	9.21	CR PACK	CR to TS29.061 on Work Item TEI-6	Rel-6	CN3		APPROVED
NP-050103	9.22	CR PACK	CRs to Rel-6 on Work Item "End to End QoS"	Rel-6	CN3		APPROVED
NP-050104	9.21	FORM	Extension Request for SCUDIF	Rel-6	CN3		APPROVED
NP-050105	9.12	CR PACK	CR to Rel-6 on Work Item "IMS"	Rel-6	CN3		APPROVED
NP-050106	9.20	CR PACK	CRs to Rel-6 on Work Item "QoS1" (Gq interface)	Rel-6	CN3		APPROVED
NP-050107	9.2	CR PACK	CR to Rel-6 on Work Item "Support of the Presence service in core networks signalling protocols"	Rel-6	CN3		APPROVED
NP-050108	9.8	CR PACK	CRs to Rel-6 on Work Item "MBMS"	Rel-6	CN3		APPROVED
NP-050109	9.22	CR PACK	CRs to Rel-6 on Work Item "Gx interface for Flow Based Charging"	Rel-6	CN3		APPROVED
NP-050110	9.22	CR PACK	CR to Rel-6 on Work Item "Circuit Switched Data Bearer Services"	Rel-6	CN3		APPROVED
NP-050111	9.22	TS	TS 29.211 v2.0.0 Rx interface and Rx/Gx signalling flows (for approval)	Rel-6	CN3		WITHDRAWN
NP-050112	9.22	CR PACK	CR to Rel-6 Work Item "Rx Reference point specification for flow based charging"	Rel-6	CN3		WITHDRAWN
NP-050113	9.22	TS	TS 29.211 v2.0.0 Rx interface and Rx/Gx signalling flows (for approval)	Rel-6	CN3		WITHDRAWN
NP-050114	9.22	CR PACK	CR to Rel-6 Work Item "Rx Reference point specification for flow based charging"	Rel-6	CN3		APPROVED
NP-050115	9.17	CR	CR on Fallback to full authentication for TS 24.234	Rel-	Ericsson, Nokia		APPROVED

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
				6			
NP-050116	9.21	DISCUSSION DOC	Network initiated SCUDIF in Rel6	Rel-6	Nokia, T-mobile		REVISED TO 0119
NP-050117	9.17	CR	CR on Fallback to full authentication for TS 24.234	Rel-6	CN1		REVISED TO 0115
NP-050118	9.22	TS	TS 29.211 v2.0.1 Rx interface and Rx/Gx signalling flows (for approval)	Rel-6	CN3		REVISED TO 0139
NP-050119	9.21	DISCUSSION DOC	Network initiated SCUDIF in Rel6	Rel-6	Nokia, T-Mobile, Siemens		NOTED
NP-050120	4.3	REPORT	LEFT Status Report		CN Chair		NOTED
NP-050121	13	Procedure	Elections: a practical guide		JMM, MCC		NOTED
NP-050122	12	LIST	Specs per Release		JMM, MCC		NOTED
NP-050123	12	LIST	status list before Meeting#27		JMM, MCC		NOTED
NP-050124	9.8	FORM	Exception Request Form for late inclusion of Robust header Compression (RoHC) support for MBMS in Rel-6		Ericsson		APPROVED
NP-050125	9.17	FORM	Release 6 Exception Notice for WLAN		Lucent, Singular		REVISED TO 0134
NP-050126	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: start of day 1		CN V. Chair		NOTED
NP-050127	9.1	CR	Combined CR on Rel-6 WI "IMS2" for TS 24.229		Lucent		APPROVED
NP-050128	3	REPORT	Draft Meeting Report from CN#26		MCC, DAB		APPROVED
NP-050129	7.11	CR PACK	CRs to Rel-4 on Work Item small Technical Enhancements and Improvements	Rel-4	CN4		REVISED TO 0133
NP-050130	9.3	CR Pack1	CRs on Rel-6 WI "SEC1-SC" for TS 24.109	Rel-6	CN1		APPROVED
NP-050131	9.7	TS	Rel-6 Draft TS 23.198 v200 (OSA Stage 2) – for Approval	Rel-6	CN5		APPROVED
NP-050132	9.17	FORM	Form for exception on WLAN for Rel-6	Rel-6	CN4		REVISED TO 0143
NP-050133	7.11	CR PACK	CRs to Rel-4 on Work Item small Technical Enhancements and Improvements	Rel-4	CN4		APPROVED
NP-050134	9.17	FORM	Release 6 Exception Notice for WLAN		Lucent, Singular		REVISED TO 0144
NP-050135	9.21	CR	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS	Rel-6	CN4		APPROVED
NP-050136	5	LS IN	Proposal for the development of a contribution for ITU-R WP8F on IP solutions		ITU-R		NOTED
NP-050137		LS OUT	LS to SA1 on		CN		APPROVED
NP-050138	9.22	DISCUSSION DOC	Rel-6 Exception Request Form for PS-Handover	Rel-6	CN1		APPROVED

Tdoc	Ag.	Type	Tdoc Title	Rel	Source	Spec	Status
NP-050139	9.22	TS	TS 29.211 v2.1.0 Rx interface and Rx/Gx signalling flows (for approval)	Rel-6	CN3		APPROVED
NP-050140	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting: mid of day 2		CN V. Chair		NOTED
NP-050141	10.1	WID	Improvements of VGCS in public networks for parallel use of services	Rel-7	CN1		APPROVED
NP-050142	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)		MCC, Sultan		NOTED
NP-050143	9.17	FORM	Form for exception on WLAN for Rel-6	Rel-6	CN4		APPROVED
NP-050144	9.17	FORM	Release 6 Exception Notice for WLAN		Lucent, Singular		APPROVED
NP-050145							

ANNEX C. TSG CN meeting Participants List

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