

Source: CN1 Chairman
Title: CN1 status report to TSGN plenary meeting #12
Agenda item: 6.1.1
Document for: INFORMATION

1 Introduction

The previous CN1 status report was issued in TSGN plenary number 11. After that meeting there has been CN1-SA2 SIP joint meeting, CN1 R99 old stuff ad hoc meeting and CN1 #17. Additionally a joint session on PLMN selection was arranged with SA1 during the old stuff meeting. The meeting reports are provided for information in tdocs NP-010261 – NP-010263.

2 Executive summary

The documents for approval are presented by work item under each release. The mirror CRs (CAT A's) have been grouped together with the initial (CAT-F) CR.

It is very clear that no matter what decisions to freeze a standards release are made in 3GPP, the real freezing of a release happens only once it has been implemented. Implementations on the market are a very strong argument in favour of keeping the related specifications as they are, even in the case the implementation reference version is not completely optimal.

The CN1 R99 old stuff ad hoc meeting dealt with usual high number of R99 CRs which seems to be the trend until the first volume products become available on the market.

The Rel-5 SIP joint sessions between the CN working groups have been restructured for improved logistics. The meetings dealing with TSs with wider scope than CN1 only are no more joint CN1-2-3-4 meetings but they are called together as 23.218 and 24.228 joint sessions during CN WG meetings. The difference is that all contributions are formally CN1 documents, the decisions are minuted under CN1 report and the other CN WGs are able to have their meeting in parallel if they can isolate topics which are acceptable for parallel sessions.

No new work items or revisions of the existing ones are proposed this time.

3 Information to be noted

3.1 Meeting schedule for year 2001 and 2002

14.-16.Mar.2001	CN #11, (Palm Springs / USA)
3.-5. Apr.2001	CN1-SA2 SIP joint meeting (ETSI, Sophia Antipolis / France) 3.-4.4 joint, 5.4 CN1. 23.218 could be excluded?
8.-9. May 2001	CN1 R99 and older ad hoc meeting, Nokia candidate host.
14.-18.May 2001	CN1 #17, CN1-2-3-4 (North American friends of 3GPP / Puerto Rico)
13.-15.Jun.2001	CN #12 (Ericsson / Stockholm)
10.-12.Jul.2001	CN1 #18 with 11.7. joint CN1-2-3-4 (Dresden, Germany / D2 Vodafone)
27.-31.Aug.2001	CN1 #19 (Host needed)
19.-21.Sep.2001	CN #13 (China)
15.-19.Oct.2001	CN1 #20 (BT, Vodafone, Lucent / UK)
26.-30.Nov.2001	CN1 #21 (North American friends of 3GPP / USA)
12.-14.Dec.2001	CN #14 (Japan)
14.-18. Jan. 2002	CN1 #22
6.-8. Mar. 2002	CN #15 (Korea)
8.-12. Apr. 2002	CN1 #23
13.-17. May 2002	CN1 #24
5.-7. Jun. 2002	CN #16 ()
29. Jul. – 2. Aug. 2002	CN1 #25 (Sonera, Finland)
4.-6- Sep. 2002	CN #17 (France)
23.-27. Sep. 2002	CN1 #26
11.-15. Nov. 2002	CN1 #27
4.-6. Dec. 2002	CN #18 (New Orleans)

3.2 Liaison statements for information

All agreed outgoing liaison statements from CN1 have been sent after each meeting. The liaisons from CN1 in NP-010264 and NP-010279 are provided for information for TSGN plenary.

4 Issues for action/decision by CN plenary

4.1 Liaison statements to TSGN plenary

CN1 was asked to analyse the impact of two roaming and PLMN selection related issues, the introduction of new mobile country codes (MCC) to countries which are already using at least one known country code and usage of three digit mobile network code (MNC) outside USA.

Both issues were looked at and liaison statements in NP-010232 (N1-010867) and NP-010233 (N1-010685) and contain the result of CN1 study.

Indication of Extended uplink TBF capability is discussed in document NP-010236 (N1-010801). This liaison statement acknowledges a 24.008 Rel-4 CR which was proposed by TSG GERAN. A revised version of that CR was agreed in CN1 #17 and is proposed for approval in this plenary in document NP-010273 (N1-010830).

TSGN plenary is also asked to consider the more general comments about bringing similar change to earlier frozen releases.

4.2 Critical CRs for plenary decision

Inter-MSC handover related problem was flagged a critical issue already in the previous TSGN plenary. The CRs were forwarded back to CN1 from TSGN #11. In handover situations, particularly inter-system handover between GSM and UMTS, it may not be possible to allocate sufficient number of radio bearers for all calls that a multicall capable mobile may have. This forces some prioritization of calls and the priority handling between MSC-A and MSC-B has been discussed in two CN1 meetings with no single proposal that could be agreed by consensus.

Document NP-010266 outlines the discussion so far and two alternative R99 CRs, both with Rel-4 mirror CR, are included. CN1 have reviewed the technical contents of both proposals and asked for RAN 3 comments (N1-010870) hoping that their view on the Iu interface would solve the problem. But as their reply (TSGR3#21(01)1824) points out, also RAN 3 were unable to decide. So the TSGN plenary is asked to decide whether to approve N1-010816 or N1-010826 with the appropriate mirror CR on Rel-4.

NP-010267 contains two CRs with non-editorial corrections to radio access capability IE. The Rel-4 variant corrects additionally an earlier mistake where one page of the RAC definition was dropped out. The CRs are not controversial but they are flagged critical to highlight the error in some of the earlier Rel-4 versions of 24.008 and that it is intentional that the mirror CR in this case is not completely similar with the initial CR.

Document NP-010268 is a single CR which is needed to complete the CN1 part of global text telephony work item. The CR is critical because of the timing requirements as shown in the attached letter on TSG SA GTT Workshop Results. The implementations should be commercially available by June 2002. Due to this timing requirement TSGN should consider whether it is appropriate to allow implementing this Rel-5 enhancement on an earlier release (since which one?) or allowing CRs to add new functionality to a frozen major version of specification.

4.3 GSM Maintenance

4.3.1 GPRS

GPRS related R97 CRs with mirror CRs up to Rel-4 for approval are in NP-010274.

The document contains three different changes on 04.08/24.008 and one of them is GPRS related change to R99 and Rel-4 only.

4.3.2 LCS

Some LCS positioning methods can not be implemented because MM timer T3240 would cause the clearing of the RR connection from the MS end during the positioning procedure. This was reported already to TSGN #11 as an issue requiring urgent attention. Several companies have now contributed to the CN1 agreed CRs on R98, R99 and Rel-4 in document NP-010272.

4.4 Release 99 work items

4.4.1 GSM-UMTS interworking and MM for UMTS

There is one MS Classmark related correction to 24.008 and additionally two corrections to the very recently added new equivalent PLMN concept, all with Rel-4 mirror CRs. The document which is proposed for approval is NP-010277.

4.4.2 Handover

There is one 23.009 CR with Rel-4 mirror CR for approval in document NP-010270.

4.4.3 TEI

Document NP-010275 contains one R98 CR with mirror CRs to R99 and Rel-4 and four R99 CRs which are also mirrored to Rel-4. All CRs in this document are provided for approval.

The following document NP-010276 is a collection of PLMN selection related CRs for approval, all on them on 23.122.

4.5 Release 4 work items

4.5.1 Work Item descriptions

There are no new or revised work items this time but the Rel-4 and Rel-5 project plan has been reviewed during the meetings and the comments have been collected to document NP-010265.

4.5.2 ASCI (Feature 2230)

There are two ASCI related CRs for approval in document NP-010269.

4.5.3 TEI4 (Feature 1993)

Document NP-010271 contains two Rel-4 CRs for approval.

4.5.4 GERAN improvements 4 (Feature 2324)

The CR in document NP-010273 is provided for approval. This extended uplink TBF CR was the only known CN1 task under this work item so CN1 part of the WI is now complete.

4.6 Release 5

4.6.1 Work Item descriptions

No new or revised work item descriptions are provided this time.

4.6.2 Technical Specification for information

Document NP-010278 contains draft TS 24.228 version 1.0.0. This is provided for TSGN plenary for information to formally promote it to version 1.

CN1 intends to provide the two other new IMS TSs 23.218 and 24.229 for information to TSGN #13 in September.

4.6.3 Global Text Telephony (GTT)

There is one CR under this work item (NP-010268) but it is reported earlier in this document as a critical CR.

4.6.4 SIP specifications

CN1 reported to the previous plenary meeting that the March 2001 versions of the new IMS draft TSs do not fulfill the basic call milestone (task ID 1673) criteria as it was understood in the WG.

As the definition of the milestone is not at all clear the WG has not spend very much time estimating whether basic call milestone has been reached but now at least some registration, session initiation and session clearing call flows are in place in 24.228.

23.218 is still very much a structure with placeholders for contributions on one of the three alternative approaches for IP multimedia session handling, the CAP, SIP and OSA based ones.

24.228 is provided for this TSGN plenary for information. It gets lots of attention in the meetings and CN1 is considering practical ways forward in development of this 777 page long draft TS which takes about 3 megabytes of disk space zipped.

Up to CN1 #17 all contents was in an informative annex of the document but now some more stable parts have started to migrate to the main body of the document.

Lots of contributions are received in CN1 meetings and one new problem which the WG has not seen for a long time is how to review such a mass of documentation between the meetings.

24.229 is getting quite substantial document too. Currently there are 237 pages and a lot of that is in table format making the review requirements very strict.

The risk caused by this SIP protocol description referring to IETF SIP drafts has been raised to the attention of the TSGN already. The latest version (0.5.0) contains references to ten IETF drafts which are expected to mature to RFCs by the time 24.229 is published as part of Rel-5 standard.

4.6.5 Wide-band AMR

WB-AMR was discussed in CN1 #17 but no CRs could be agreed yet. However, sufficient working assumptions were made for drafting the CRs to CN1 #18.

It was seen that a WID to cover the CN part of the work is needed because several WGs will be involved in specifying WB-AMR but there is no proposal from CN1 at this time.

5 Thanks!

Thanks for joining CN1, Per!

Thanks for the rapporteurs and co-editors of the IMS specifications!

Thanks for all delegates for the constructive comments!

Thanks for hosts for taking us to nice places!