

Source: CN1 Chairman
Title: CN1 status report
Agenda item: 6.1.1
Document for: INFORMATION

1. EXECUTIVE SUMMARY

There has been two CN1 meeting since the previous TSGN plenary. CN1 #29 in Sophia Antipolis was hosted by ETSI and CN1 #30 in San Diego was hosted by NA friends of 3GPP. The meeting reports are in documents NP-030263 and NP-030264.

Additionally to these two meetings some CN1 delegates participated a RAN2 – SA2 – CN1 joint session on UE idle mode to find a way to solve the UE pageability problem. The outcome of that meeting will materialise in RAN2 and CN1 CRs but none of that is available from CN1 yet.

CN1 has filtered 118 CRs for approval out of the 635 documents which have been treated since the last plenary.

Contributions were received on several release 6 work items. There are Rel-6 CRs which, if agreed, will trigger the creation of Rel-6 version of 3GPP TS 23.218 and 44.065.

As usual, the documents for approval are presented by work item under each release. Category A mirror CRs have been grouped together with the corresponding category F CR.

2. INFORMATION TO BE NOTED

2.1 Meeting schedule for 2003 - 2004

Date	Meeting	Venue	Host
10 – 14 February 2003	CN WGs (CN1 #28)	Dublin, Ireland	
12 – 14 March 2003	CN #19	Birmingham, UK	UK Friends of 3GPP
31 March – 4 April 2003	CN1 #29	Sophia Antipolis, France	ETSI
24 – 25 April 2003 (unpageability of UMTS mobile after loss of coverage)	CN1 – RAN idle mode ad hoc	Paris	NEC
19 – 23 May 2003	CN WGs CN1 #30	San Diego, USA	North American Friends of 3GPP
4 – 6 June 2003	CN #20	Hämeenlinna, FINLAND	Nokia
25 - 29 August 2003	CN WGs CN1 #31	Sophia Antipolis, France	ETSI
17 – 19 September 2003	CN #21	Berlin, GERMANY	
27 – 31 October 2003	CN WGs CN1 #32	China	Japanese Friends of 3GPP and Ericsson China
10 – 12 December 2003	CN #22	Hawaii, USA	North American & Japanese Friends of 3GPP
16 – 20 Feb. 2004	CN WGs 1, 2, 3 & 4	TBD	
10 - 12 Mar 2004	CN plenary #23	China ; CN	
10-14 May 2004	CN WGs 1, 2, 3 & 4	TBD	
2 - 4 Jun 2004	CN plenary #24	Korea; KR	
16 – 20 August	CN WGs 1, 2, 3 & 4	TBD	
8 - 10 Sep 2004	CN plenary #25	US ; US	
11 – 15 Oct 2004 or 15 – 19 Nov 2004	CN WGs 1, 2, 3 & 4	TBD	
08 -10 Dec 2004	CN plenary #26	TBD	

Tentative CN1 MBMS ad hoc meeting in June was cancelled due to low number of delegates who would be committed to provide contributions.

2.2 Liaison statements for information

All agreed outgoing liaison statements from CN1 to the other groups have been sent after the meeting. The liaison statements from CN1 in NP-030265 and NP-030266 are provided for information for TSGN plenary.

Two of these liaisons, N1-030548 and N1-030566 are also sent for information to this TSGN plenary and in both cases the problem is already solved between the working groups.

2.3 Comments on the 3GPP work plan

The most up to date version of the work plan which was available at the time of CN1 #30 was dated 25th of April 2003. The CN1 tasks in this version were reviewed and all comments agreed in the working group were collected to a revised version of the work plan document in N1-030945. It is assumed that the CN1 comments from this document are included in the work plan version which is distributed to TSGN #20.

3. ISSUES FOR ACTION/DECISION BY CN PLENARY

3.1 Liaison statements to TSGN plenary

There are no LSs from CN1 to TSGN plenary this time.

3.2 Controversial issues

None of the liaison statements which were sent or CRs which are forwarded for approval to this plenary were challenged during the WG meeting.

4. DOCUMENTS FOR APPROVAL

4.1 R98 and older work items

Just like in TSGN #19, there are no CRs on any release before R99.

4.2 R99 work items

4.2.1 GSM-UMTS interworking and MM for UMTS

R99 CRs for approval under WI GSM – UMTS interworking are in NP-030268.

The reason for this change is that the text in 23.009 was in conflict with the SDL diagrams in the same document. All 23.009 CRs have been endorsed by CN4.

4.2.2 TEI

R99 CRs for approval under WI TEI are in NP-030269 and NP-030270.

CRs N1-030822 – 823 in NP-030269 are special case as no Rel-5 mirror CR is needed. These two CRs bring already existing Rel-5 functionality to R99 and Rel-4. The CRs do not reflect any corresponding SA2 change, but SA2 did also recommend in their LS N1-030583 that CN1 should bring this Rel-5 procedure to R99 and therefore the CRs were agreed as “part of functionality agreed for the release found to be missing in the specification” and supported by consensus according to 21.900 sub-clause 4.6.2.

CRs N1-030665 and N1-030666 do not need a Rel-5 mirror CR since this functionality is already part of Rel-5 requirements. Corresponding change to Rel-5 has already been approved in N1-030216, CR 24.008-741 rev1.

There is a corresponding CN3 CR which is assumed to be submitted to the same TSGN plenary but it was agreed that no formal linkage between the two CRs is needed.

4.2.3 Security

R99 CRs for approval under WI security are in NP-030267.

4.3 Release 4 work items

4.3.1 TEI-4

Rel-4 CRs for approval under WI TEI-4 are in NP-030271.

4.4 Release 5 work items

4.4.1 Provisioning of IP-based multimedia services (IMS)

4.4.1.1 Corrections to 23.218

Rel-5 23.218 CRs for approval under WI IP multimedia are in NP-030272.

These CRs are mainly related with filtering of messages at S-CSCF.

4.4.1.2 Corrections to 24.008

Rel-5 24.008 CRs for approval under WI IP multimedia are in NP-030273.

These CRs introduce the signalling indication which allows prioritising the (signalling) messages in the network and removes one case where 'reserved' code point definition was used in a way which could have caused serious backwards compatibility problems later.

4.4.1.3 Corrections to 24.228

Rel-5 24.228 CRs for approval under WI IP multimedia are in NP-030274.

4.4.1.4 Corrections to 24.229

Rel-5 24.229 CRs for approval under WI IP multimedia are in NP-030275 – NP-030281.

It was agreed in TSGN #19 to start applying the rules for essential correction on Rel-5 IMS CRs after TSGN #20, we have got several corrections on the 24.229 wording, definitions of terminology and other similar corrections which improve the readability of the TS.

Long debates during and between the meetings have led to clarification of the SIP protocol transparency requirements to make Rel-5 as future proof as possible.

The impact caused by N1-030792 on other specifications was discussed since this is not indicated on the cover page. It was agreed that there isn't any.

The tdoc number in the file name of N1-030840 in NP-030277 is correct, the one on the cover page is a mistake.

4.4.2 TEI-5

Rel-5 CRs for approval under WI TEI-5 are in NP-030282.

4.4.3 Late UE

Rel-5 CRs for approval under WI late UE are in NP-030283.

CN1 has drafted Rel-5 CRs for this work item but if the plenary decides that Late UE is applicable from R99 onwards then the corresponding CRs can be handled in later CN1 meetings.

The CRs against this work item were seen to be part of functionality agreed for the release and agreed by consensus.

All 23.009 CRs have been endorsed by CN4.

4.5 Release 6 work items

4.5.1 Presence

CN1 continues the presence work in TR 24.841 which is under WG control and therefore there are no presence CRs for plenary approval. This time it was agreed to send the TR for plenary for information in NP-030289. The future of the TR was discussed in CN1 #30. Initially it was planned to convert all material contained in 24.841 to CRs on existing specifications. Instead of this it was agreed in CN1 #30 to start a new presence service specific TS to contain service related issues and only generic SIP issues will be moved to the existing TSs, such as 24.229.

TR 24.841 will be used as the reference version for technical presence work for one more meeting and CN1 expects to forward TR 24.841 for approval in TSGN #21. After that all presence CRs will be written against the existing TSs and the new TS which will be started.

Revised work item description in NP-030285 aligns the schedule with the other active CN1 Rel-6 work items and aims at completion by the end of year 2003.

4.5.2 MBMS

CN1 documents the decisions on MBMS in TR 29.846 which is under WG control and therefore there are no MBMS CRs for plenary approval.

Revised MBMS WID in NP-030288 only removes one supporting company but this does not cause any formal problem since sufficient number of supporters remain even after this.

Tentatively agreed CN1 MBMS ad hoc meeting in June 2003 was cancelled due to lack of active support by the delegates.

4.5.3 IMS Stage-3 Enhancements.

Conferencing is one task in WI IMS stage-3 enhancements and CN1 has started a new TR 29.847 to contain conferencing related material. This TR is under CN1 control and the intention is that similarly to presence TR 24.841 it will be converted to service related new TS and CRs on existing TSs on generic protocol issues.

CRs on other IMS stage-3 tasks, such as forking and default handling of filter criteria, were discussed in CN1 #30 but there are no CRs for plenary approval yet.

Revised work item description in NP-030286 makes substantial changes; the estimated completion is at TSGN #22, new TSs for conferencing and messaging are added and the tasks

identity portability and PSS alignment to IM CN subsystem have been deleted. The new WID also reflects the agreement within CN1 that IETF protocols will be used for data manipulation at Ut interface. In case of conferencing this means CPCP protocol. The withdrawal of one supporting company is compensated by a new supporter so the number of supporting companies remains within the 3GPP rules.

Rel-6 IETF dependencies have been discussed during the CN1 meetings and input has been given to the document listing the IETF drafts which 3GPP needs for Rel-6 completion.

4.5.4 Emergency call enhancements

Revised work item description in NP-030287 updates the linked work items, improves the text in several places and defines that the WI is about IMS emergency calls, not just any PS domain emergency calls as the name of the WI says.

4.5.5 TEI-6

Rel-6 CRs for approval under WI TEI-6 are in NP-030284. The CRs which add ROHC to SNDSCP in GSM are the outcome of discussions in several meetings.

If these CRs are approved, they will trigger the creation of Rel-6 versions of 23.218 and 44.065.

The cover page indication of AN impact in N1-030626 was discussed in CN1 and it was agreed that there is not any. CN box should be ticked instead.

4.5.6 WLAN interworking stage 3

Outline of a new CN1 WLAN TS was agreed in CN1 #30. As agreed before, no TS number has been requested at this stage and CN1 will review the scope and the outline of the document again and the next CN1 meeting should decide whether to proceed with the TS.

4.5.7 Ut interface

CN1 #30 agreed to follow the principle of using IETF protocols for IMS related issues where possible. IETF defined data manipulation protocol which meets the 3GPP requirements will be used as the mechanism for presence and conferencing related data manipulation. In practice this means that 3GPP related requirements will be brought to IETF to steer the work to cover (also) 3GPP needs.

It was also commented that competing requirements for the same services from both 3GPP and OMA would not be desirable and therefore CN1 would like to get better understanding on how OMA intends to use the IMS services defined in 3GPP.

4.5.8 IMS interworking, TR 29.962

CN1 has reviewed and given SIP protocol related comments to CN3 on the interworking TR 29.962. It is understood that the changes based on these comments are already incorporated in the latest available version of the TR.

5. ACKNOWLEDGEMENTS

ETSI hosted our first meeting in this plenary period in French Riviera where there is good food and good wide Promenade des Anglais to enjoy roller skating during the Nordic countries' skiing season. North American Friends of 3GPP hosted our second meeting in San Diego where there was good food and then more good food. Both weather and the meeting arrangements were very agreeable in both places.

CN1 has dealt with more than 600 documents since the previous TSGN plenary meeting. We could always trust on our MCC expert Per Johan Jørgensen's services, even though Per could not always trust his computers as one after another they were collapsing under the heavy workload.

In the past meetings we have written very late CRs and defined specific implementation order for sets of IMS CRs in plenary meeting when it has been spotted after the WG meeting that multiple CRs are changing the same text paragraph. Many delegates are now alert and monitoring possible collisions of CRs and we were able to catch many cases where implementation of the agreed CRs would have been problematic. Only the implementation of the plenary approved CRs will show if we did catch all collisions, but I am convinced that we are now doing this work much better than before.

TSGN plenary chairman Stephen Hayes has been very helpful in maintaining the Rel-6 IETF draft dependency list.