

**Source:** CN1 Chairman  
**Title:** CN1 status report  
**Agenda item:** 6.1.1  
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## **1. EXECUTIVE SUMMARY**

The only CN1 meeting, number 31, was hosted in Sophia Antipolis by ETSI. The meeting report is in document NP-030403. The meeting was very busy and it was clear that more meeting time will be needed in the future to get everything done in time for the foreseen Rel-6 freeze next year.

Rel-5 security related issues will be handled in a joint session with SA3 during SA3 meeting on the 6<sup>th</sup> to the 7<sup>th</sup> of October 2003.

CN1 #31 dealt with 103 Rel-6 related documents from 8 different companies. It was seen that mainly due to the large volume of corrections on frozen releases it is not possible to allocate sufficient time for Rel-6 discussions and therefore an additional meeting on Rel-6 issues has been agreed tentatively on the 27<sup>th</sup> to the 29<sup>th</sup> of January 2004.

This time there are 87 CRs for approval. CN1 did also send 11 liaison statements to the other groups.

Rel-6 CRs, if approved by the plenary, will trigger the creation of Rel-6 version of TS 24.229. This was discussed during CN1 meeting and found acceptable. The number of Rel-5 IMS CRs for approval this time is 26 and 20 out of these are on 24.229.

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
25-26 June 2003 (Cancelled)	CN1 MBMS ad hoc	UK?	Three
25 - 29 August 2003	CN WGs CN1 #31	Sophia Antipolis, France	ETSI
<b>17 – 19 September 2003</b>	<b>CN #21</b>	<b>Frankfurt, GERMANY</b>	
27 – 31 October 2003	CN WGs CN1 #32	Bangkok, Thailand	Japanese Friends of 3GPP
6 – 7 October 2003 Tentative joint session on IMS security Rel-5 & Rel- 6 CN1 – SA3			Portugal (during SA3 meeting)
<b>10 – 12 December 2003</b>	<b>CN #22</b>	<b>Hawaii, USA</b>	<b>North American &amp; Japanese Friends of 3GPP</b>
27 – 29 January 2004 Tentative CN1 Rel-6 meeting • CRs under WG control in Rel-6 area • LSs in Rel-6 area	CN1 #32bis	Sophia Antipolis	ETSI
16 – 20 Feb. 2004	CN WGs 1, 2, 3 & 4	TBD	
<b>10 - 12 Mar 2004</b>	<b>CN plenary #23</b>	<b>China ; CN</b>	
10-14 May 2004	CN WGs 1, 2, 3 & 4	TBD	
<b>2 - 4 Jun 2004</b>	<b>CN plenary #24</b>	<b>Korea; KR</b>	
16 – 20 August	CN WGs 1, 2, 3 & 4	TBD	
<b>8 - 10 Sep 2004</b>	<b>CN plenary #25</b>	<b>US ; US</b>	
11 – 15 Oct 2004 or 15 – 19 Nov 2004	CN WGs 1, 2, 3 & 4	TBD	
<b>08 -10 Dec 2004</b>	<b>CN plenary #26</b>	<b>TBD</b>	

The two new meetings are already shown in this meeting calendar.

### 2.2 Liaison statements for information

All agreed outgoing liaison statements from CN1 to the other groups have been sent after the meeting. None of these are addressed to TSGN and so the liaison statements from CN1 in NP-030404 are provided for information for TSGN plenary.

One of these, N1-031287 on HSDPA was sent to CN4 during the meeting. CN1 had already technically reviewed and agreed CRs to introduce HSDPA high data rate negotiation capability to 24.008. It was foreseen that also CN4 specifications 29.002 and 29.060 will be affected and therefore the LS was sent to encourage CN4 to consider those changes too. Before the end of CN1 meeting a message was received from CN4 was that they could not agree their CRs and based on this also the related CN1 CRs were postponed.

### **2.3 Comments on the 3GPP work plan**

The CN1 tasks on the 3GPP work plan were reviewed during the meeting and several comments were made. Some CN1 tasks are slipping to June 2004. All comments were provided to Alain Sultan during the CN1 meeting and the proposed changes on the work plan were distributed during the meeting as revised version of the work plan document in N1-031323. These changes are assumed to be included in the version, which is submitted to this plenary. The reviewed version was dated 25<sup>th</sup> of July 2003.

### **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**

No objections were raised against those versions of CRs, which are submitted for approval to TSGN #21. However, after the WG meeting two issues that may require plenary attention were brought up.

A copy-paste error has been found in document N1-031232 that has been submitted as standalone document in NP-030415 to allow the plenary to make a decision on how to proceed. Similar text on P-CSCF has been agreed in another CR and this one should address the AS part of the procedure. The correction is straightforward and it was indicated by the originator that a revision can be submitted to plenary as a company contribution if the plenary delegates are ready to study such revision during the TSGN meeting.

It was also indicated by the originator of N1-031227 and N1-031228, which were initially agreed but then postponed, based on lack of corresponding CRs from CN4 on 29.002 and 29.060, that they would like to submit the CRs directly to TSGN for approval. The decision here is on which linkage is most important, the one towards stage 2 or the one on the other parts of stage 3 from the other groups.

## **4. DOCUMENTS FOR APPROVAL**

### **4.1 R98 and older work items**

This time we have R96 CRs with mirror CRs on ASCI in NP-030407. These CRs are essential since otherwise the encoding of the fields Group ID, Group Call Area ID and Group Call Reference would change in different releases leading to incompatibility. The parameters are BCD coded in the UE and MAP interface but binary when sent across the radio interface. The same change affects 03.68 and 03.69.

## **4.2 R99 work items**

### **4.2.1 Multimedia**

R99 CRs for approval under WI multimedia are in NP-030406. These CRs settle a long-standing debate on BC negotiation, and the possibility to use so called “no BC” option to confirm the suggested (combination of) bearer capabilities.

### **4.2.2 TEI**

R99 CRs for approval under WI TEI are in NP-030405.

These contain alignment of IMEI definition in 29.018 with the already existing one in 23.003, correction of single-slot DTM capability indication received for endorsement from GERAN and removal of references from 23.122 to (U)SIM field RPLMNAcT as requested by T3.

### **4.2.3 ASCI**

R99 CRs for approval under WI ASCI are in NP-030408. The ones on 03.68 introduce additionally to the changes, the necessary SDL source files that were missing from the earlier versions.

### **4.3 Release 4 work items**

#### 4.3.1 TEI-4

There are no category F CRs on Rel-4 this time.

## **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 CR for approval under WI IMS in NP-030411 completes the removal of event handler concept in 23.218.

#### 4.4.1.2 Corrections to 24.228

Rel-5 24.228 CRs for approval under WI IMS are in NP-030411.

These CRs address the removal of incorrect address binding at P-CSCF, definition of security association now consists of a pair of security associations, one for client and one for server and session origination and termination by MGCF.

#### 4.4.1.3 Corrections to 24.229

Rel-5 24.229 CRs for approval under WI IMS are in NP-030412 to NP-030414.

The changes are that only those service profiles which are related to IMPUs being registered are being downloaded at registration, corrections to procedures during registration and de-registration, registration life-time must appear in expires-header rather than in expires parameter in contact header, correction of reference, split of security association to a pair of security associations for client and server port and P-CSCF requirements on SigComp, taking into account in S-CSCF the possibility that AS can retarget a request, P-Asserted-Identity handling for P-CSCF, S-CSCF and AS, requirement for both UE and P-CSCF to discard any other message than REGISTER if received unprotected, handling of preconditions at MGCF, storing of user identity information on ISIM and USIM and profile table corrections.

The Rel-5 24.229 CR packs for approval contain also several security related CRs.

Unfortunately the whole security issue could not be solved completely in CN1 #31 due to dependency to SA3. CN1 hopes to solve the remaining questions for the next TSGN plenary in CN1 #32, which is after the proposed CN1 – SA3, joint session.

### 4.4.2 TEI-5

Rel-5 CRs for approval under WI TEI-5 are in NP-030416.

The 24.008 changes in this set of CRs are that the extension octets of the data BC are not dependent on the radio access technology and the MSC requirement to keep the GSM related BC octets also in UTRAN case for possible handover to GSM or GERAN later. The GERAN



originated CRs for CN1 endorsement in NP-030416 (N1-031311 – N1-031312) allow the UE to indicate its multislot capabilities for GMSK and 8-PSK independently of each other. It was agreed that the reason for change justifies these CRs as essential correction.

The removal of all references from 24.008 to RPLMNAcT is related with corresponding 23.122 CR on R99 but in case of 24.008 the problem only exists from Rel-5 onwards.

The CRs on 43.068 and 43.069 in NP-030409 (N1-031217, N1-031218) were initially submitted as ASCI CRs, but since there is no ASCI WI for Rel-5 it was agreed to treat these CRs under TEI-5. The CRs are adding the late entry procedure for a UE joining a group call.

The 44.065 corrections in NP-030416 / N1-031074 and N1-031229 are updates of references.

#### 4.4.3 Late UE

Rel-5 CRs for approval under WI late UE are in NP-030417.

The 23.009 CR in NP-030417 / N1-031099 changes the UTRAN specific definition of UESBI-Iu from “UTRAN” to more generic “RAN” which covers also GERAN. This action was requested by SA2 in their LS S2-032714 / N1-030975 but unfortunately CN4 did not have a chance to review this CR during the WG meeting.

The 29.018 CR NP-030417 / N1-031120 is on the same topic, but here the change is that considering the GERAN case the DTAP IDENTITY REQUEST/RESPONSE message is not the only possible means for the VLR to obtain the IMEISV.

## 4.5 Release 6 work items

### 4.5.1 Presence

The presence TR 24.841 was sent to previous plenary meeting for information. The maturity of the TR was discussed in CN1 and it was agreed to be about 80 % stable. The work has progressed well but CN1 wanted to keep the control of the TR in the WG for one more plenary period and expects to send the TR for approval to the next plenary meeting.

Since the TR is still under WG control there are no CRs for approval this time.

The new estimated completion date is in March 2004.

### 4.5.2 MBMS

No CRs on MBMS were provided for CN1 #31, but the WID in NP-030422 was revised to indicate estimated completion in March 2004.

### 4.5.3 IMS Phase 2

Document NP-030418 contains 24.229 CRs for approval. If these are approved then Rel-6 version of 24.229 will be created. This was considered in CN1 and it was seen acceptable.

The 24.229 CRs in NP-030418 identify the Gq interface between P-CSCF and PDF, which were treated as single entity in Rel-5, since no formal interface was defined, add the forking procedures and define the I-CSCF behaviour in terms of trust domain boundary.

The conferencing TR 29.847 is provided for information in NP-030425. CN1 has also started corresponding new TS with matching outline and the intention is to move material from the TR to the TS once the dependency drafts have stabilised in IETF. There are no CRs on conferencing for plenary approval since both the TR and the TS are still under WG control.

New structure for also new IMS messaging TS 24.247 under WG control was agreed.

Revised work item description in NP-030421 changes the estimated completion dates of several parts of the WI to TSGN #24 in June 2004.

### 4.5.4 Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3

The first CR on this work item is provided for approval in NP-030419.

It has been decided to first isolate all GPRS related material in a new annex within 24.229. Once that is done, then we can decide whether to leave it like that or to create new TS for the GPRS interface of IMS. CN1 has set an ambitious goal to get this split done by TSGN #22 in December 2003 in order to get a stable reference version of 24.229 for the other Rel-6 work items.

#### 4.5.5 TEI-6

The 43.068 CR on TEI-6 in NP-030410 adds the group call dispatcher capability to control the mute and unmute at remote end via DTMF.

The CRs in NP-030420 deal with CS domain system information, release of signalling connection, signalling compression and the usage of low priority SAPI 3 for downlink SMS.

#### 4.5.6 WLAN interworking stage 3

Outline of a new CN1 WLAN TS revised and the draft TS has been allocated the number 24.234. The first technical contributions have also been agreed and added to the latest reference version. Since the TS is still under CN1 control there are no CRs for plenary approval.

## **5. ACKNOWLEDGEMENTS**

Thanks to ETSI for hosting the meeting and having Per there to keep the documents in order for us and the delegates for the contributions and comments on those written by the others.

Thanks to Siemens we have now got the SDL source files for TS 03.68.