

8 - 10 December 2004, Athens, Greece**(Revision of NP-040489)**

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

1. EXECUTIVE SUMMARY

There was only one CN1 meeting in this plenary period, but that was then a real heavyweight one. In preparation for freezing Rel-6 the delegates had prepared a huge number of contributions on the open items that had been identified in the earlier meetings. As a result of dealing with the record number of documents in a meeting where 481 tdoc numbers were allocated, we can present for approval a consistent set of CRs and work item descriptions with very few leftovers to be handled later.

This meeting which was kindly hosted by Samsung in Seoul, Korea, was co-located with CN3, CN4 and SA2 which helped in tying up the remaining loose ends.

A joint session was held together with SA2 during the meeting week to handle an LS from OMA PoC WG on SIP signaling compression related issues and other related contributions to CN1 and SA2. There is no separate report from this joint meeting, but each WG has documented the decisions in their meeting reports. After discussion on the principle, CN1 was tasked to reply LS on behalf of both groups and the SA2 delegates also had their chance to review and comment on the LS before it was approved.

The CN1 meeting report is provided for information to this meeting in NP-040490.

This CN1 meeting was the first one that used a bit longer lead time for document distribution which seemed to work well, as there was almost two whole working days worth of extra time to study the contributions and as it turned out, we needed that time.

2. INFORMATION TO BE NOTED

2.1 Meeting schedule for 2004 and 2005

No additional meetings have been agreed and from now on CN1 will be following the agreed CN working groups meeting schedule for year 2005.

2.2 Liaison statements for information

The liaison statements from CN1 #36 that are not addressed to CN plenary are submitted in NP-040491 for information. Some of these LSs are also CCÍd for information for the CN plenary as follows:

N1-041949: LS on Support of eCall on UUS type 1 Supplementary Service

N1-041994: Reply LS to T3 on Equivalent HPLMN

N1-042078: Reply LS on Security aspects of early IMS systems

N1-042097: Reply to LS on definition of RAT

N1-042100: LS on a 3GPP IMS management object

2.3 3GPP work plan status

CN1 tasks on the 3GPP work plan version dated on the 29th of October 2004 were reviewed during the meeting and several comments were made. All CN1 originated changes were documented in N1-042081, which has already been used as input for the current version.

The completion rate estimate on work items was quite good at the time of the CN1 meeting, but as there was no time to have a joint review of the work plan together with SA2 and therefore the CN1 estimates are subject to SA2 decision that can either close existing open items or create new ones.

CN1 Rel-6 work item status in CN1 #35:

WI	%	Estim.	Open items
IMS interoperability	100	Dec-2003	None
Extensions to SIP	95	Sep-2004	Need to register to orig-parameter with IANA
Followup of IETF	100	Sep-2004	None
WLAN scenario 2	99	Sep-2004	None
Interworking towards non-IMS SIP	100	Sep-2004	None
Interworking towards IPv4 (SIP aspects)	100	Sep-2004	None
MBMS	100	Dec-2004	None
Network sharing	100	Dec-2004	None
Subscriber certificates	95	Dec-2004	None
Presence	95	Dec-2004	None in CN1 area, dependency to presence data model and partial publish IETF drafts
WLAN scenario 3	95	Dec-2004	PDG redirection and subsequent tunnel setup procedures are proposed to be removed.
Group management	80	Dec-2004	No Group Management specific open items have been identified as it is treated as part of the IMS other items using GM
Conferencing	90	Dec-2004	Dependency on Conference package (IETF) CPCP (IETF) Floor control (IETF)
Messaging	85	Dec-2004	Dependency on List servers (IETF) ñ existing stage 1 req can not be fulfilled Iscomposing (IETF) ñ existing stage 1 req can not be fulfilled Dependency to MSRP (IETF) ñ critical

2.4 Specifications for approval

CN1 sends the 24.247 for approval to this plenary in NP-040500.

3. ISSUES FOR ACTION/DECISION BY CN PLENARY

3.1 Liaison statements to TSGN plenary

The LS NP-040464 on conferencing in Rel-6 was sent from CN1 to CN plenary. It is not possible to complete all CN1 tasks due to still outstanding IETF dependencies in conferencing area and therefore the WG proposes to plenary that the scope of the 3GPP conferencing work for Rel-6 is narrowed to accommodate what can be achieved by this plenary.

3.2 Critical CRs

CR on TR 09.95, Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles, was discussed and agreed in CN1 but since the TR is under the control of GERAN, an LS was sent to GERAN to ask them to endorse the CRs. Formally the CR is R97 with mirror CRs, but the intention is to convert 09.95 to 49.995 where the real information is only contained in the latest version of the specification.

As CN plenary has already approved the corresponding 44.065 CR, there are no documents for CN approval this time. But the UE manufacturers are reminded that this TR requires all Rel-4 and later UEís to support of the TSG-CN #25 approved CR 015r2 to 3GPP TS 44.065 starting four months after the approval of the TR 49.995 CR. These CRs mandate explicit rejection of non-supported compression algorithms to remove the ambiguity in XID negotiation.

The standalone CR in NP-040512 adds the transfer of authorization flag between the AP and the AS and this CR depends on corresponding SA3 CR. Therefore conditional approval of the CR is requested on the condition that SA3 CR on TS 33.222 in Tdoc S3-040975 is also approved.

One WLAN CR needs another CR to complete the PLMN selection procedure as the alternative NAI format is defined in 23.003 by CN4. NP-040509 is proposed for approval on condition that the corresponding 23.003 CR 93 in NP-040541 (N4-041575) is also approved.

Again, the CRs from the WG have already been checked before the plenary meeting and a few problems have been found. Most of these can be solved with appropriate CR implementation order and the MCC is already aware of this. Two revisions were discussed on the CN1 mailing list before the plenary.

DOCUMENTS FOR APPROVAL

3.3 R98 and older work items

There are no GSM phase 2+ CRs for approval this time.

3.4 R99 work items

There are no R99 CRs for approval this time.

3.5 Release 4 work items

NP-040501 contains Rel-4 CRs on 24.007 for approval. This CR with mirror CRs removes send sequence numbering from the PS SS procedures as this was unintentionally introduced in this specification when the PS SS procedures were added for LCS.

3.6 Release 5 work items

3.6.1 Provisioning of IP-based multimedia services (IMS-CCR)

The only Rel-5 CRs to this meeting are related with IMS specifications. We were quite efficient in rejecting many non-essential CRs but there are still some CRs for plenary approval in NP-040502 too. The CRs in this pack address five different changes in IOI responses, request handling by S-CSCF, use of via header in REGISTER method, S-CSCF - HSS interface at de-registration and user profile downloading. If approved, the MCC is requested to update the N1-041956 according to the drafting rules (bullet style and missing semi-colon before the bulleted list). MCC is already aware of the required implementation order between documents N1-041960 in NP-040502 and N1-042085 in NP-040507, where N1-042085 needs to be implemented first.

3.7 Release 6 work items

3.7.1 Presence

A revision of the presence WID is proposed in NP-040492. The main changes are the removal of the CN5 OSA tasks and proposal to not continue TS 24.228 for Rel-7.

The presence related CRs are provided for approval in NP-040503. These deal with mainly Ut interface procedures, partial publication and loop prevention to cover the open items from the previous meeting. Siemens has submitted a proposal to revise N1-041772 further to NP-040593.

These CRs solve those open items that were known in the previous CN plenary, but some of the referenced IETF specifications are still in draft status.

3.7.2 MBMS

New version of MBMS WID is proposed for approval in NP-040493. The MBMS related change on 24.109 is removed to reflect the decision to document the MBMS security issues in SA3 specifications rather than in this CN1 owned subscriber certificates TS.

The main change in the MBMS CRs in NP-040504 is the new encoding of NSAPI to extend the range to 256 values.

These MBMS documents solve those open items that were known in the previous CN plenary.

3.7.3 IMS Phase 2

The IMS2 WID is revised to NP-040494 which removes the local services and the link to emergency services. A new task for management objects is added with the aim of completing the work in March 2005. Stopping 24.228 in Rel-5 is also reflected in this WID.

NP-040499 contains the new draft TS 24.167, Management Object (MO); stage 3, which is provided for information.

Conferencing related IMS2 CRs for approval are in NP-040505 and these deal with CPCP and BFCP procedures, both of which are a critical IETF dependency. No CN1 related open items were identified and there is a separate LS in NP-040464 on how to handle the remaining IETF dependencies.

There are also two packs of more general IMS CRs on 24.229 in NP-040506 and NP-040507. A problem has been spotted in N1-042120 after NP-040507 has been distributed. Therefore NP-040507 needs to be replaced with a new document NP-040590.

N1-042023 and N1-042022 in NP-040506 as well as N1-041869 in NP-040507 all update references of 24.229 but no revision is needed as the collision can be solved when implementing the CRs.

3.7.4 SIP messaging

NP-040500 is the messaging TS 24.247 which is provided for approval.

No CN1 related open items were identified but the referenced main IETF drafts are in the area of list servers, iscomposing and MSRP protocol.

3.7.5 WLAN interworking stage 3

The WLAN related CRs are provided for approval in NP-040508. These re-structure the PLMN selection subclause, remove the PDG redirection procedure, introduce the timers needed for scenario 3 and tidy up lots of editorís notes.

One WLAN CR needs another CR to complete the PLMN selection procedure as the alternative NAI format is defined in 23.003 by CN4. NP-040509 is proposed for approval on condition that the corresponding 23.003 CR 93 in NP-040541 (N4-041575) is also approved.

These two CR packs solve for WLAN scenario 2 and scenario 3 those open items that were known in the previous CN plenary.

3.7.6 Subscriber certificates

Subscriber certificates related CRs on 24.109 are provided for approval in NP-040511. These CRs make corrections to clauses 4 and 5 of 24.109 and clarify UA and authentication proxy procedures as well as B-TID transfer.

The standalone CR in NP-040512 adds the transfer of authorization flag between the AP and the AS and this CR depends on corresponding SA3 CR. Therefore conditional approval of the CR is requested on the condition that SA3 CR on TS 33.222 in Tdoc S3-040975 is also approved.

These two CR packs solve those open items that were known in the previous CN plenary.

3.7.7 Network sharing

Network sharing related CRs in NP-040513 solve those open items that were known in the previous CN plenary. The CRs cover the main open issues which were the UE handling of the LAI and RAI and cause value ranking in shared network.

3.7.8 Reduction of PS service interruption in Dual Transfer Mode

CN1 has not contributed actively on this work item, but we received an LS from GERAN proposing this CR for endorsement. The CR was endorsed by CN1 without modification.

3.7.9 Reduction of PS service interruption in DTM mode

GERAN sent the CR in NP-040510 to CN1 for endorsement due to shared responsibility of 24.008 subclause 10.5.1. The CR was submitted re-based on the latest reference version and with minor correction to the ABN notation that was caused by another CR. This CR adds the UE indication of DTM enhancements capability to the network in CS and PS domain.

3.7.10 TEI-6

NP-040514 is the collection of TEI-6 CRs on 23.014, 23.122 and 24.008 to this plenary meeting. These CRs trigger the creation of Rel-6 version of 23.014 DTMF tone handling specification if the CRs are approved.

The documents in NP-040515 are the TEI-6 CRs on ASCI and LLC.

3.8 Release 7 work items

3.8.1 VGCS Enhancements

There are no documents for approval under this work item.

3.8.2 IMS changes for fixed NGN

The revised WID in NP-040497 provides more detailed technical scope of the work as requested by the previous CN plenary.

3.8.3 IMS protocol evolution

NP-040495 proposes a new work item for IMS protocol evolution to study additional SIP capabilities developed by IETF, in particular to finalise any outstanding issues from Rel-6 in Rel-7 time frame.

3.8.4 IMS trace management

NP-040496 proposes a new work item for IMS trace management. This task could not be completed in Rel-6 schedule and this WID proposes to do the work in Rel-7. More supporting companies are needed to approve the WI in the plenary.

3.8.5 IMS emergency sessions

The revised WID in NP-040498 splits the work in two main parts in IMS and GPRS area. The schedule is also delayed and now the work is expected to be completed by CN #29 in September 2005.

3.8.6 TEI-7

NP-040516 is the first Rel-7 CR from CN1 and it is related with one of the outgoing liaisons from the WG as it adds the multiple HPLMN concept in the MS idle mode.

4. ACKNOWLEDGEMENTS

The overall number of documents in the meeting was over 480 and that's a record which we don't want to break very soon. At the end of the meeting the chairman thanked the delegates for their good contributions that were well co-ordinated between the companies and also for the good team spirit when reviewing the documents in the meeting. More precision on the cover page details was requested for future meetings, as it should not be Andrijana's job to correct the formal mistakes on the CR cover pages. Thanks anyway for Andrijana for 'volunteering' to do this extra work in a very busy meeting. And also thanks for the host of the good meeting facilities, the very good food and the entertainment on Wednesday. We really needed that break as it was our only escape from the meeting room during the whole week.