Source: **CT1 convener**

Title: **CT1 status report**

Agenda item: **6.1.1**

Document for: **INFORMATION / APPROVAL**

---

1. EXECUTIVE SUMMARY

The only CT1 meeting in this plenary period was number 38, which focused on the remaining Rel-6 work items for which extension was granted in CN #27. CT1 was able to propose CRs to solve all open items that required extension, with the exception of PS handover where it is expected that company contributions are submitted directly to plenary.

This meeting was kindly hosted by the North American friends of 3GPP on the sunny beaches of Cancun, Mexico. Unfortunately the participants did not have time to enjoy the beach that much, but at least the WG can present 100 CRs for approval.

The CT1 meeting report is provided by the CT1 MCC expert Andrijana Jurisic for information to this meeting in CP-050051.

Additionally to the CRs and WIDs, this first CT1 meeting agreed to propose a ToR for the group in document CP-050056.

2. INFORMATION TO BE NOTED

2.1 Meeting schedule for 2005 and 2006

CT1 has agreed to participate to a joint session with SA2 and TISPAN on FBI work item on the 12 – 14 of July 2005 during a TISPAN meeting in Sophia Antipolis. It was agreed to take advantage of this co-located SA2 and CT1 meeting to handle also CSI matters on the third day.

With the exception of this extra meeting CT1 will follow the joint CT WG meeting calendar.

It has been asked during some CN1 meetings in the past whether parallel sessions would be acceptable to keep the working days more reasonable, and the outcome has always been to keep all items in a single meeting. Indicating some agenda items for parallel treatment in different rooms should be considered for the next CT1 meeting.

2.2 Liaison statements for information

The liaison statements from CT1 #38 that are not addressed to CT plenary are submitted in CP-050052 for information.

CP-050108 on I-WLAN access technology and CP-050109 on early support of DSAC and Network sharing in Rel-5 UEs are CC'd to CT plenary.

2.3 3GPP work plan status

CT1 tasks on the 3GPP work plan version dated on the 21st of April 2005 were reviewed during the meeting and this time both Rel-6 and Rel-7 parts of the schedule were reviewed. The CT1 comments were collected to revised versions of the work plan documents and these were passed on to MCC to be taken into account in the next versions of the work plan.

IETF dependencies across the whole CT are already listed in a separate document that is maintained by the CT chairman.

Rel-6 is almost fully completed, not a day too early.

CT1 Rel-6 work item status in CT1 #38:

WI	%	Estim.	Notes
Group management (IMS2)	100	Mar-2005	
Conferencing (IMS2)	100	Mar-2005	
Messaging (IMS2)	100	Mar-2005	
Extensions to SIP (IMS)	100	Sep-2004	
Interworking towards IPv4 (IMS2)	100	Sep-2004	
Interworking with non-IMS SIP (IMS2)	100	Sep-2004	
Management object (IMS2)	100	Mar-2005	
IMS interoperability	100	Dec-2003	
Presence	100	Mar-2005	
MBMS	97	Dec-2004	Was already marked complete, but has fallen back to 97 % in the latest CT1 meeting due to MBMS session ID validity timer having been introduced since the last CN1 meeting by SA4. CT1 does not have any documentation to define what it means and what are the related procedures.
WLAN scenario 2	100	Mar-2005	
WLAN scenario 3	100	Mar-2005	
Network sharing	100	Dec-2004	
Subscriber certificates	100	Mar-2005	
IMS Trace	100	Mar-2005	
IMS2: additional SIP capabilities	100	Jun-2005	
CS video and voice service improvements (no CT1 task is shown in the work plan under feature 31046)	100	Jun-2005	Was service-based handover and Indication of redial
PS handover (no CT1 task is shown in the work plan under feature 50500)		Jun-2005	XID negotiation for ciphering parameters and compression entities Handling of NSAPI-SAPI-PFI re-mapping Indication of support of PS Handover in MS RAC and MS network capability

The table below shows that Rel-7 is getting underway, with the first work item already completed. But unrealistic completion dates indicate that some Rel-7 planning information is out of date.

CT1 Rel-7 work item status in CT1 #38:

WI	%	Estim.	Notes
Domain specific access class barring	100	Mar-2005	
PS emergency sessions, IMS aspects	0	Jul-2005	
PS emergency sessions, PS domain aspects	0	Jul-2005	
Combinational services	2	Oct-2005	
Protocol impact from providing IMS services via fixed broadband	20	Mar-2005	
IMS Stage 3 IETF Protocol alignment	10	Dec-2005	
Enhancements of VGCS for public authority officials	30	Aug-2005	Deleted by mistake on the WP, to be re-introduced
Improvements of VGCS for parallel use of services	9	Oct-2005	New WI, additionally to the other VGCS enhancements
SIP enhancements on trace	0	Jun-2005	

3. SPECIFICATIONS FOR APPROVAL

There are no new specifications for approval this time.

4. ISSUES FOR ACTION/DECISION BY CT PLENARY

4.1 Liaison statements to TSG CT plenary

Liaison statement CP-050110 on CSI IOT testing in 3GPP is a question to CT plenary. A proposal to start developing CSI IOT tests in CT1 was discussed in the WG, but it was agreed to request both CT and RAN plenary to give guidance on how to proceed.

4.2 Critical CRs

The ASCI CRs in CP-050057 assume that the corresponding stage 1 change is also approved, so CT1 is asking for conditional approval on the condition that the also the stage 1 CR goes through in the SA plenary next week.

CP-050058 contains change of definition in GSM 700 frequency bands. The CRs on frozen releases are justified by the change in Rel-7 to add the new GSM 710 frequency band.

The WLAN CR in CP-050065 needs also the corresponding 23.003 CR to add the definition of W-APN, so also there we need to request for conditional approval. In this case the condition can be solved in the CT plenary.

PS handover CRs were discussed extensively in CT1, and Nokia requested to put them for email approval. During email approval period Nokia objected to the CRs and therefore there is no WG agreed proposal to solve the open items in CT1 area of PS HO. Revisions of the WG CRs are submitted as company contribution to this plenary in CP-050126 – 128.

It was commented in the meeting that GERAN have done in their PS handover TS 43.129 a lot of core network related architecture work outside SA2 and CT1.

DOCUMENTS FOR APPROVAL

4.3 R98 and older work items

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

4.4 R99 work items

The only R99 CRs from CT1 to this plenary are in document CP-050057 which contains the ASCI documents. These depend on the corresponding stage 1 CRs and conditional approval on the condition that SA approves their CRs is requested. Different implementations do already exist and therefore these CRs clarify that both group call and broadcast call can be initiated either by the service subscriber or by the dispatcher.

4.5 Release 4 work items

There is one correction to GSM 700 frequency band terminology in CP-050058. Despite being a CR that does not need to be implemented it was considered essential, as the definitions that have been made for GSM 750 frequency band would make it impossible to add the new GSM 710 frequency band in an unambiguous manner. Therefore we have to change the old releases to accommodate correct definitions for GSM 710 in Rel-7. This is why the Rel-7 CR in this pack is marked as category B, and not a mirror CR.

4.6 Release 5 work items

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

The only Rel-5 CRs from CT1 to this meeting are in the IMS CR pack CP-050059. This CR pack corrects the handling of Reg-Await-Auth timer, security association at P-CSCF, use of default port, Authorization header, handling of error cases both at P-CSCF and I-CSCF, implicitly registered public user identities and registration procedures at I-CSCF.

There are three CRs with no mirror CR in this pack. Justification of 24.228 CR as an essential correction may be debatable, but at least formally the TS is normative, and therefore the CR was agreed as an essential one. In case of CT1 CR C1-050685 and C1-050780 the Rel-6 requirements already differ from Rel-5, so therefore no Rel-6 mirror CR is needed.

4.7 Release 6 work items

4.7.1 Presence

The presence CRs in CP-050063 update several references and correct the terminology in Service Point Trigger, as the old SPI is not defined. The title of C1-050690 did raise some discussion on the justification for the change. The name describes the nature of the straightforward changes quite well and as some of the changes do affect the message syntax it was considered that category F is appropriate.

4.7.2 MBMS

There are two MBMS CRs for approval in CP-050062. The CRs in this pack add the indication of the UE MBMS capability and the cover one CT1 extension item by adding the compression to MBMS.

Unfortunately SA4 have opened up a new concept in MBMS session validity period and CT1 is not aware of sufficient documentation of requirements in this area to complete the corresponding stage 3 work.

4.7.3 IMS Phase 2

IMS phase 2 CRs are provided in two documents, CP-050061 contains the 24.229 CRs and CP-050060 the rest. CP-050060 corrects the list server behaviour as well as references in messaging and conferencing. The management object CRs align the MO defined in 24.167 better with OMA DM framework.

The 24.229 CRs correct the SIP profile tables, registration procedures of implicitly registered public user identities and multiple registration, PSI routing, references and the handling of various error cases. They also clarify the UA role of the network elements and the handling of notification to de-registered user at S-CSCF and align the wording to the drafting rules.

4.7.4 WLAN interworking stage 3

The standalone CR C1-050726 in CP-050065 was split to separate CR pack since CT1 wants to ask for conditional approval of the CR. This stage 3 WLAN CR cover the open item identified by GSMA in their LS but it also needs the corresponding stage 2 CR from CT4 23.003 to define the structure of the W-APN field.

The rest of the WLAN CRs are provided for approval in CP-050064. These CRs consider Wa and Wd reference points equal to make no distinction between the home and roaming scenario, bring the scope of 24.234 up to date and re-arrange the definitions and references. The last CR of the pack puts a limit to the maximum number of IPSec tunnels per IKE as requested by SA3.

4.7.5 Subscriber Certificates (Security)

The four subscriber certificates CRs under security work item that affect TS 24.109 are in CP-050066. These CRs define the lifetime value in UTC, correct the user identity reference and align 24.109 with 33.220.

4.7.6 Circuit switched video and voice improvements

There are two CRs on CS_VSS work item for approval in CP-050072. The 24.008 CR adds the redial IE to inform the network of video followup after a speech call and the 23.009 CR is about network option to request HO from 2G to 3G if the requested bearer is not supported in 2G. The 23.009 CR was endorsed by CT4 during the CT WG meetings.

4.7.7 Network sharing

The only network sharing related CR to this meeting is in CP-050067 which requires that if reject response is received from the network, then the LAI part of the RAI must be stored on the forbidden LAI list by the UE.

4.7.8 TEI-6

There are various issues covered under work item TEI-6 as usual.

Most 24.008 CRs have been collected in CR pack CP-050069. These include clarification of the handling of shifted IEs where no checking of comprehension required information elements is performed, allow the UE to perform RAU to re-negotiate its configuration, GERAN requested extension of high multislot classes, correction to numbering of some figures, handling of the duplicated RAU requests due to retransmissions, allowing the lower layers to trigger cell update, correction to former CN1 CR on the use of code point 'no identity' in mobile identity and discontinuing the use of the code point GPRS attach while IMSI attached in attach type IE.

CR pack CP-050070 is split to standalone document as this CR on service based handover request is related with exchange of liaisons between different working groups. No formal linkage to any other CR was defined in the CT1 meeting, but it is expected that other related CRs will be submitted to the same plenary from the other CT working groups.

All SCUDIF related CRs are contained in CP-050071. There is no Rel-6 work item for SCUDIF, so TEI-6 was used instead for these CRs which add the network initiated service upgrade of SCUDIF call. There is no formal list of dependencies between the SCUDIF related CRs but they were requested to be handled together in the plenary. The 23.009 CR contained in this CR pack was endorsed by CT4 during the WG meeting week.

The remaining TEI-6 CRs on other specifications are presented for approval in CP-050068. The PLMN selection state diagram in 23.122 is aligned with the text in the same TS and

introduce also in A/Gb mode the concept of implicit CP-ACK which already exists in Iu mode.

4.8 Release 7 work items

4.8.1 Enhancements of VGCS in public networks for communication of public authority officials

EVGCS enhancements related CRs are provided for approval CP-050073. These CRs start adding the new functionality for privileged talker and emergency calls. There is also an optimization of broadcast point from MSC to BSC to optimize the A-interface traffic for VBS and VGCS.

There is a proposed revision of the WID in CP-050053. The main changes are the more affected specifications are identified based on a more thorough study of the work which is estimated to be completed in December 2005 plenary.

4.8.2 System enhancements for fixed broadband access to IMS

RFC 3842 procedures are added to allow the message waiting indication in CP-050074.

4.8.3 IMS stage 3 protocol alignment

The single CR in CP-050075 clarifies that handling of the 3xx responses by proxies.

4.8.4 Stage 3 Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism

New CSI stage 3 work item is proposed in CP-050055. This WI is proposed to focus on the interaction between CS and PS domain in CSI service and new TR is started to document that. Changes on the existing main protocol specifications in CS domain and IMS are also foreseen. The WI is aiming at completion in December 2005.

4.8.5 IMS applications – missing features

This work item was proposed already in CN #27 in March 2005. This time there is one more company supporting the proposed new WID in CP-050054. The main goal of the WI is to continue in Rel-7 the IMS work that could not be completed in Rel-6.

5. ACKNOWLEDGEMENTS

Quote from the meeting chairman's minutes says "At the end of the meeting on Friday the completely exhausted convenor thanked the hosts for excellent meeting arrangements in very pleasant location, the MCC for their support and the delegates for their fighting spirit to push through the huge workload at late hours."