

Source: TSG-CN2 chairman
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Subject: CN2 status report

TSG-CN2 has held one meeting since the last plenary;
- CN2#31 27th – 31st October, Bangkok, Thailand. Hosted by Japanese Friends of 3GPP. Report in **NP-030521**.

1 Executive summary

No LS was sent out from CN2.

CN4 approved one CAMEL related 03.18 CR on R97 (and mirror to R98). The CR clarifies how a R99 or later 3G network packs SAI to CellID parameter in R97 CAP or MAP message.

CN2 produced collective CRs (one CR per affected specification) on Rel-6 Enhanced Dialed Services (EDS) for CN#22. The CN2 work is now complete.

SA1 approved Stage 1 requirement for Rel-6 improved prepay inter-working with SCUDIF. CN plenary should approve the work item description in **NP-030529**.

SA1 approved Rel-6 enhancement to Change Of Position reporting criteria. CN2 already approved corresponding Stage 2 and 3 CRs.

CN2 has about 15 open issues. Some are small, just input tdoc is expected to fix it. As a chairman I will encourage people to contribute on these topics so that CN4 would get a clean start with CAMEL.

2 CAMEL phase 1 (R96)

No change.

3 CAMEL Phase 2 (R97 & R98)

No change in CN2.

4 CAMEL phase 3 (R99)

The progress by functionality; the most important changes were the following:

- A. ATM/ATSI: No change.
- B. GPRS inter-working. No change.
- C. MO SMS: No change.
- D. Call Gapping / SCP load control: No change.
- E. Dialed services: No change
- F. CF notification: No change
- G. Call-related: None.
- H. Miscellaneous: None
- I. Controversial issues in CAMEL3: None

5 3GPP Rel-4

In the 3GPP release 4 there is no new CAMEL phase. No changes.

6 CAMEL phase 4 (Rel-5)

The progress by functionality:

- A. Interaction with optimal routing: No change.
 - B. Call party handling:
 - NP-030522 23.078-CR619 “CAMEL Leg Handling”. Textual clarification on CPH matters.
 - NP-030522 23.078-CR624 “CAMEL DP Leg Handling”. Correction for TDPs.
 - NP-030522 29.078-CR337 “Correction to description of "valid CSI" in SCP initiated call”.
 - NP-030522 23.078-CR627 “Correction to MAP SRI between gsmSCF and HLR Supported CAMEL Phases shall be Mandatory”. Necessary alignment due to Stage 3.
 - NP-030522 23.078-CR628 “Removal of Int_Continue from process ICA_MSC”.
 - NP-030522 23.078-CR636 “CAMEL User interaction at alerting and MidCall”.
 - NP-030522 23.078-CR631 “Correction to MAP SRI between gsmSCF and HLR HLR shall use TS11”. Done because CPH applies to speech only.
 - NP-030522 29.078-CR335 “Correction to TCAP rules for gsmSCF initiated calls”.
 - NP-030524 23.078-CR641 “Using Suppress T-CSI in ICA for NP call legs”. Needed e.g. for selective ring back tone service.
 - NP-030522 23.078-CR642 “Use of Continue With Argument for gsmSCF initiated calls”.
 - NP-030522 23.078-CR644 “Correction to Disconnect Leg handling – gsmSSF shall send charging reports”.
 - C. Mid call procedure for MO and MT call handling: No change.
 - D. CAMEL for IMS:
 - NP-030525 23.278-CR046 “Correction to the definition of interfaces for the IM-SSF”
 - E. CAMEL control over MT SMS: No change.
 - F. Inclusion of flexible tone injection:
 - NP-030523 23.078-CR333 “Correction to flexible warning tone burst interval duration”. Misalignment in the ASN.1.
 - G. Provision of location information of called subscriber (Alerting phase): No change.
 - H. Notification of GPRS mobility management to CSE: No change.
 - I. Inclusion of ODB data in the CSE-HLR interface: No change.
 - J. Location information during an ongoing call (Handover DP). No change.
 - K. GPRS AnyTimeInterrogation: No change.
 - L. IMEISV to SCP: No change.
 - M. Partial implementation of CAMEL4:
 - NP-030523 23.078-CR643 “CR643 Inclusion of DP O_Term_Seized in CAMEL Phase 4 Partial Implementation”.
 - N. Miscellaneous:
 - NP-030523 23.078-CR568 “CLIR/CLIP interaction with CSE initiated calls”. SCP can now modify CLIR and CLIP in all call cases.
 - NP-030523 23.078-CR613 “Handling AC Pending if ETC/ CTR fails”. A correction to report ACR so that SCP can send another AC if needed.
 - NP-030523 23.078-CR634 “SDL handling of DisconnectFromIPForbidden handling in Assisting SSF case”. A correction to CAP dialogue termination rules.
 - NP-030523 29.078-CR342 “Handling of DisconnectFromIPForbidden handling in Assisting SSF case”. A correction to CAP dialogue termination rules.
 - NP-030523 29.078-CR338 “More call related CAPv4 extensions for future releases”. For forward compatibility ellipses added into proper places.
 - NP-030530 23.078-CR637 & 29.078-CR340 “Extension of QoS for HSDPA in GPRS CAMEL”. Rel-5 higher data rates taken into account.
 - NP-030523 23.078-CR633 & 29.078-CR336 “Reporting Basic Service at DP Answer for SCUDIF calls”. For prepaid service.
 - NP-030523 23.078-CR629 “Remove contents table for MNP Requested Info parameter”.
- Controversial CAMEL4 issues:
- NP-030530 will be replaced by modified NEC & Vodafone joint contributions NP-030531 and NP-030532.
 - NP-030524 may be seen as enhancement to Rel-5 by some companies.

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CAMEL phase 4 (Rel-6)

- A. Enhanced Dialed Services
 - NP-030526 23.078-CR553 “Collective CR for Rel6 Enhanced Dialed Services”.
 - NP-030527 29.078-CR332 “Collective CR for Rel6 Enhanced Dialed Services”.
- B. Change of position enhancement

- NP-030528 23.078-CR647 “Enhancements for the Partial Implementation for "Change of position procedure armed with criteria””.
- NP-030528 23.078-CR645 “Change of position armed with criteria (check criteria in MSC)”.
- NP-030528 29.078-CR343 “Change of position armed with criteria”.

8 Other Work Items with impact on CAMEL

1. MNP.
2. SCUDIF.

9 CN2 meeting calendar

Meeting calendar:

TITLE	TYPE	DATES	LOCATION	CTRY
CN2#32	WG	16- 20 Feb	Atlanta, GA	USA
CN2#33	WG	10 – 14 May	Zagreb	Croatia

10 Other issues to be mentioned

11 Acknowledgements

I would like to thank Japanese Friends of 3GPP for inviting us to Bangkok. So far there has been only one meeting with equally good food – the previous Bangkok meeting.

Special thanks to Andrijana Jurisic - our MCC support person. She was actively working well for the meeting, and doing lot of work behind the scenes. It is a pleasure to work with her.