3GPP TSG-CN #16   **Tdoc 3GPP NP-020198**
Marco Island, Florida, USA
5 – 7 June 2002

Source: **TSG-CN2 chairman**
              mailto:Keijo.Palviainen@nokia.com

Subject: **Status Report for TSG CN WG2**

TSG-CN2 has held two meetings since the last plenary;
-    CN2#23 8 – 12 April, Helsinki, Finland. Hosted by Nokia. Report in **NP-020199**.
-    CN2#24 13 – 15 May, Budapest, Hungary. Hosted by Ericsson. Report in **NP-020200**.

1   Executive summary

One set of changes to CAMEL2 were approved in CN2.

CN2 has worked on R99 CAMEL3 CRs. The change requests have been mainly small corrections and clarifications. The GPRS pre-paid is still the area of most contributions for CAMEL3.

The main focus of CN2 was in Rel-5 CAMEL4. Most of the meeting time was spent on CAMEL4. For Rel-5 CN2 presents the following documents for approval:
1.   23.078 draft CR, **NP-020205.**
2.   29.078 draft CR, **NP-020206.**
3.   23.278 "**Draft TS 23.278 v2.0.0**, (CAMEL) Phase 4-Stage 2 IM CN Interworking", **NP-020207.**

The 29.078 draft is not yet available due to lack of CN2 meeting time. The CN plenary should decide whether the 23.278 should be approved without corresponding stage 3 (29.278). The following issues should be noted:
- CN2 has decided to use CAPv3, but a separate application context name.
- There will be many IMS specific parameters in CAPv3 for IMS.

CAMEL4 specifications (23.078 and 29.078) should be approved in CN#16. They will require corrections, as usual. In terms of specification work required, the biggest functionality is Call Party Handling (CPH). Also IMS CAMEL control will require significant amount of work in the meetings to come.

2   CAMEL phase 1 (R96)

No change.

3   CAMEL Phase 2 (R97 & R98)

1.   A clarification was approved. The set of CRs clarify what happens if a DP is armed multiple times. A later arming overwrites an earlier one. **NP-020202.**

4   CAMEL phase 3 (R99)

The progress by functionality; The most important changes were the following:
A.   ATM/ATSI:
-    A CR was approved to clarify what happens if ATM succeeds partially (for one basic service). **NP-020204 23.078-CR397.**
B.   GPRS inter-working.
-    A correction to EventReportGPRS QoS parameter. The QoS elements are now explained per DP (subscribed, requested, negotiated). **NP-020203 23.078-CR395.**
-    A clarification to PDP-id parameter in scenario one. Especially handling of CancelGPRS operation in scenario 1 needs this clarification. **NP-020204 23.078-CR408.**
-    A correction to GPRS MS class. MSRadioAccessCapability is not available in Iu-interface. **NP-020204 29.078-CR252.**
C.   MO SMS: No change.
D.   Call Gapping / SCP load control: No change.
E.   Dialled services: No change.

F. CF notification: No change
G. Call-related:
    - A correction to user interaction procedures. **NP-020204 23.078-CR405.**
H. Miscellaneous: None.
I. Controversial issues:
    - There may be comments on **NP-020204 23.078-CR408**. (PDP-ID).

5   3GPP Rel-4

In the 3GPP release 4 there is no new CAMEL phase. The following Rel-4 issues are worth noting:
A. CAP-over-IP. CN4 and CN2 have completed the work.
B. The GPRS barrings may have a minor impact. Not worked out by CN2 yet.
C. The 3GPP Rel-4 set of specifications have a separate copy of R99 CAMEL3. This is similar to the R98 copy of the R97 CAMEL2.

6   CAMEL phase 4 (Rel-5)

Most of the CAMEL4 functionality is included in the draft version. Most of them need corrections during the next year. These functionalities are marked as "Completed". The completion rate indicates a rough estimate on required CN2 meeting time.

The progress by functionality:

Title	3GPP release	Notes of progress
CAMEL4 / Interactions with Optimal Routing	**REL-5**	Complete.
CAMEL4 / Call Party Handling	**REL-5**	Complete.
CAMEL4 / Mid call procedure for MO and MT calls	**REL-5**	Complete.
CAMEL4 / CAMEL for IMS	**REL-5**	Skeleton of Stage 2 (23.278) done, 23.278 generic 80%, Stage 2 Si interface 80%, Stage 3 29.278 not presented for June plenary 10%. (Due to lack of meeting time)
CAMEL4 / CAMEL control over MT SMS	**REL-5**	Complete.
CAMEL4 / Inclusion of flexible tone injection	**REL-5**	Complete.
CAMEL4 / Charging notification to the CSE	**REL-5**	60%. CN2#24 recommends the removal of this from CAMEL4.
Enhancements of dialled services	**REL-5**	Has been removed from CAMEL4.
Provision of location information of called subscriber (Alerting phase)	**REL-5**	Complete.
Notification of GPRS mobility management to CSE	**REL-5**	Complete.
Inclusion of ODB data in the CSE-HLR interface.	**REL-5**	Complete.
Location information during an ongoing call (Handover DP)	**REL-5**	Complete.
GPRS AnyTimeInterrogation	**REL-5**	Complete.
IMEISV to SCP	**REL-5**	Complete.
Functional Split Into Subsets	**REL-5**	Complete (compared to 03/2002 CAMEL4 Stage 1).

7 Other Work Items with impact on CAMEL

None

8 CN2 meeting calendar

Meeting calendar for 2002

TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN2#25	WG	29July-2 August 2002	Helsinki	Finland
3GPPCN2#26	WG	23-27September	TBD	USA
3GPPCN2#27	WG	11-15 November	Penang	Malaysia

9 Other issues to be mentioned

1. None

11 Acknowledgements

CN2 chairman thanks wonderful MCC support person Andrijana Jurisic. She gives us excellent support in meetings and between the meetings.

CN2 chairman also thanks to the hosts of the CN2 meetings (Ericsson in Budapest) for hosting us. The offered dining & coffee was exceptionally good.