3GPP TSG CN Plenary, Meeting #11 ***Tdoc NP-010175***
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Title: **STATUS REPORT CN5**

Agenda item: **6.5.1 and 8.8**

Document for: **Information / Approval**

MEETINGS

CN WG5 (OSA) has held three 3 days meetings since the last CN OSA Plenary #10, one in Scottsdale, one in Helsinki and one in Antwerp. All three meetings were joint 3GPP-CN5/ETSI-SPAN12/Parlay meetings, and co-chaired with Frans Haerens, chairman of SPAN12. Chelo Abarca was CN5 vice-chair. On average the meetings were attended by 35 participants, during the three meetings an average of 50 documents were processed.

Furthermore, three AdHoc meetings were held, two on Call Control and one on Content-based Charging,

MAJOR RESULTS

Work on 3GPP Release 4 Requirements

The requirements as identified by SA1 for OSA Release 4, and their status of progress in CN5, is as follows:

- Charging, Service Usage — **new Charging SCF**, specification available for information as v1.0.0
- Charging, General Operations — **new Account Management SCF**, specification available for information as v1.0.0
- Service Capability registration event — implemented in Framework SCF
- Message sent/received — implemented **as new GUI-mapping to SMS,** available for information as v1.0.0
- User entering/leaving geo-area — implemented in **new User Location SCF,** including precision, age etc.
- Terminal Capabilities change not. — NOT implemented, suggested to SA1 to postpone for R5 due to lack of network support. No reply yet.
- Access control to location info — NO explicit API support defined yet. This is part of /related to the User Profile

Apart from this, a lot of effort has been spent on Call Control ; work on the Multi-Party Call Control API has progressed well. During the course of this work it has been decided to break the inheritance between the Generic Call Control and MPCC interfaces, such that MPCC could be further developed independently from the GCC. The group has decided that further development of the Call Control API will be focussed on the Multi Party Call Control API, and that the Generic Call Control API will be frozen.
A **new Multi-Party Call Control SCF** is available for information as v1.0.0. It is recognised that the network support for MPCC is not yet available in UMTS Release 4. Therefore, a set of so-called 'Service Properties' is defined to restrict the MPCC API to map to the capabilities provided by the CAPv3 protocol.
The meeting felt that it should be made visible to the application developer community that the MPCC API is there as an SCF next to the Generic Call Control, and that it can be profiled towards CAPv3 network support, while at the same time being suitable for the (presently richer) fixed network Call Control capabilities. The Multi-Party Call Control SCF will also be able to support the R5 network capabilities, like support for voice over IP.

Methodology

Since last CN plenary we have implemented a methodology to develop the specifications based on a UML model and tools that go with it. Instead of using a draft-specification document as a basis, and update it and keep it consistent manually, a UML model is the basis for the specifications. The UML-model is being updated after each meeting, and is available to facilitate making of contributions. Draft specifications are generated from the model, and made available as

well after each meeting.
Working model-driven rather than document-driven facilitates the work, and reduces the chances for inconsistencies and errors in the specification.

Collaboration between 3GPP, ETSI and Parlay

The development of the API's for Open Service Access is done jointly between 3GPP TSG-CN WG5, ETSI SPAN 12 and the industry consortium Parlay. The reason for this collaborative work is to come to ONE API for ONE developer community. Since last CN plenary the collaboration with the industry consortium Parlay has been extended. Apart from the collaboration with the Parlay Call Control Working group, also the newly formed Framework and Content-based Charging groups have become part of the joint API work.
There is also collaboration with the industry consortium JAIN, a collaboration rather than joint work, since the JAIN consortium holds it own technical meetings.

Apart the collaboration on the development of the API's, it has also been agreed that a common IDL name space will be used for the API's being developed jointly between 3GPP/Parlay/ETSI. This is required for full run-time interworking of the API implementations, independent whether implemented from the Parlay or 3GPP publication of the specification. A common name space like 'org.open_service_architecture' will be defined.

As already reported at the last CN plenary meeting, the three groups develop the OSA API's by working against one set of documents during the meetings, namely draft ETSI Standard 120070 and draft ETSI Technical Report 120075. We have decided to structure the API document (ES120070/TS29.198) and mapping document (TR120075/TR29..998) in Parts. The individual parts are listed in the proposed CR's to TS29.198 and TR29.998.
The Parts containing the API's that implement the S1/S2 requirements, plus the Parts containing the relevant mappings to core network protocols, will form the 3GPP OSA R4 specification. CN5 proposes to the CN plenary to number the Parts and Sub-Parts of 29.198 and 29.998 in line with the numbering of the joint draft ETSI Standard and Report.

One of the reasons to use a draft ETSI standard as the working document for the joint work is that ITU can refer to an ETSI Standard, one of the prerequisites for the ITU not to develop its own set of API's.

Apart from this joint work, there is also collaboration with the industry consortium JAIN. It is a collaboration rather than joint work, since the JAIN consortium holds it own technical meetings.

PLANS

Release 4
Between now and the next CN plenary CN5 will work on the Parts which have been introduced as Version 1 to this meeting. The work on the Multi-Party Call Control API will be finalised, as well as the API's for Charging and Account Management.
The mapping of the GUI API to SMS (MAP) will be finalised as well, and proposed to the CN plenary to go under CR-control. A mapping of MPCC to CAP will be provided as well (first input already available at last meeting).

Release 5
CN5 will work on the SA1 and SA2 requirements for Release 5. Work is also foreseen is the mapping of Multi-party Call Control to SIP.

Future Meetings

Meeting schedule:

Date	Location	Host	Remarks
May 21-24	San Diego	Parlay	
July 16-19	Sophia Antipolis	ETSI	
September 10-13	Munich	Parlay	
October 16-19	Brighton?	?	with CN1-4? to be confirmed
December 3-6	?	?	
April 18-20	Antwerp	Alcatel	AdHoc on Call Control

PROPOSAL FOR THIS MEETING

The CN#11 plenary is requested to

- approve the CR's to bring the 29.198 and 29.998 to Release 4
- approve the CR's to R99

ACKNOWLEDGEMENTS

The CN WG5 chair would like to thank all the participants for their very active participation to the OSA Stage 3 activity. Special thanks to Frans Haerens for the excellent co-operation between ETSI SPAN12 and 3GPP CN WG5, and to Richard Stretch for his important role in the collaboration with Parlay.
Special thanks also to Ultan Mulligan, who together with Ard-Jan Moerdijk showed a great drive to get the model-driven methodology in place, and of course to all other editors, without whose hard work nothing comes out in the end.
The MCC support provided by Adrian Zoicas, keeping the group in sync with the 3GPP processes and other activities where appropriate, is well appreciated.