

Source: CN OSA Adhoc Convenor (Yun-Chao.Hu@era.ericsson.se)

Title: Meeting Report TSG_CN_OSA#01 (Kista, Sweden)

Agenda item: 5.5

Document for: Information

TSG_CN OSA#01
OSA Ad-hoc Meeting, Kista, Sweden
3-4 November 1999

NP-OSA-99xxx

Source: MCC
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Title: Draft Meeting Report

Agenda item:

Document for: Approval

1. Opening of the meeting and approval of the agenda

Yun Chao Hu, on behalf of Ericsson Radio Systems, welcomed the group of participants. Agenda and terms of reference were approved.

2. Introduction & grouping of contributions; allocation of a working session for each subject

Documents were allocated to the relevant agenda items.

3. Reports (VHE/OSA relevant parts)

Tdoc 011

Ericsson reported about VHE: possibility to deliver applications to the end users. OSA aims at opening up the proprietary CAMEL applications, so that applications can be delivered in a standardised, generic way. Future extensions, e.g. VoIP, were identified as further study issues. Physical and logical architectures of OSA Application Programming Interfaces were also illustrated at the end of the presentation.

3.1. TSG CN#05 Meeting (Kyongju)

Tdoc 008

3GPP Virtual Home Environment/Open Service Architecture status report. Ericsson noted that the document content was already covered by Tdoc 005 (see 3.3).

3.2. TSG SA#05 Meeting (Kyongju)

3.3. TSG SA2#09 Meeting (London)

Tdoc 005

Ericsson reported about the major achievements of the S2 drafting session in the London meeting. Clarified that the points raised (Marconi, and some others as well) will be included in version 1.1.0 of TS 23.127. Concerns were raised by Marconi on providing applications to subscribers roaming in other networks, in particular on where and how triggering mechanisms will occur. Security issues were raised as well.

4. Contributions

4.1. The Virtual Home Environment

Tdoc 012

The Chairman suggested to identify the specification parts relevant to API discussion. Marconi proposed to read in detail the Stage 1 description.

Sect. 4. The 1:N relation of Fig.1 (instead of N:N) was noted: as a matter of fact, more Value Added Service Providers can contribute to the same Home Environment. Marconi volunteered in drafting a Liaison Statement (Tdoc 014) to S1.

Sect. 5. During the discussion on Fig.3, it was reminded that there is a pending CR on the removal of the green rectangle overlaid to the Network platform (Network feature must be kept distinct from service capabilities). This "excrescence" will hence disappear from the figure.

Sect. 6. No service data modelling related to User Profile seems to be provided in the Specification.

Sect. 7. No specific comments raised. Section 7 specifies that it must be allowed to exchange information (possibly also related to charging) in the section. A discussion on online charging and offline charging did not produce but the requirement of the highest possible flexibility.

Sect. 8, 9 and 10. No major comments raised.

Rest of the document. It was noted that the FFS Security issues represents a significant gap. Ericsson volunteered to draft a Liaison Statement (015) to S1, S2, S3, asking for a confirmation that no additional security requirements will be generated by the introduction of OSA.

4.2. Virtual Home Environment/Open Service Architecture

Tdoc 006

The *Cover sheet for TS 23.127 v1.0.0* was presented by Ericsson, who started by addressing the open/contentious issues. It was remarked that Overload control and address translations were added to the previous version of the TS.

Nokia noted that the issue of terminal capability retrieval is in common with WAP push work currently carried on in the WAP Forum. MExE related information should be conveyed to the SCP. For non MExE terminals, or for the Java part of a terminal, T2 should take a position: Nokia volunteered to draft a Liaison Statement (016) to T2, with copy to S2. The variety of addressing mechanisms was then discussed and it came out that the capability of address translation will not be available soon: Ericsson will draft an LS (017) to S1 and S2 to highlight this particular.

Everyone agreed on the inherent complexity of Service interactions and the issue was left out of the discussion, for the moment.

It was noted that GPRS should be included in Stage 2 and it was agreed that multiple GPRS dialogues will not be included in the first release of OSA. Ericsson volunteered to draft an LS (018) to S2.

Tdoc 004

Ericsson introduced *TS23.127 V1.0.0*. In response to a question from Alcatel, it was clarified that it is not decided yet whether the root of the User Profile is to be stored in the HLR. It was also agreed not to go into the protocol detail but maintain the discussion at the functional level.

Ericsson and Nokia volunteered in jointly drafting a Liaison Statement (021) to S1 and S2 indicating misalignment of framework registration in *sect. 10* of Stage 1 and *sect. 5.2* of Stage 2.

During the discussion on *Sect. 6*, it was stressed that the Stage 2 activity must be limited to the functional definition of entities, highlighting the information they exchange with each other, but not the protocols. Wording "administered" was replaced with some phrasing, indicating that the relative actions were performed through administrative means.

Vodafone volunteered to draft an LS (022) to S1 and S2 on Mandatory requirement for a capability negotiation mechanism for OSA.

Sect 7.8: Nokia remarked that data download is still an open issue. Call charging (*sect. 7.10*) was taken out of the call control features and assigned to a specific section. Some amendments to the Advice of Charge section, in the limit involving the existence itself of the section, were suggested, also in relation to the AoC specification from ITU-T.

Vodafone volunteered to draft an LS to S2 on Comments on mapping table in clause 8 of 23.127 (Tdoc 023).

4.3. Work Distribution and Work plan Proposals

It was agreed to discuss the schedule of Release 99 objectives, in relation to the potential frequency of meetings.

Tdoc 002

Alcatel presented a document on the issue of co-ordination with SPAN3, who started activities on two items (APIs for Third Party Service Application Interface and Service Provider Access Requirements), in common with CN. Co-ordination might also mean joint editorship for huge documents. Separation of Work Item will simplify the work organisation but needs to be agreed with SPAN3.

Tdoc 007

Presented by Nokia indicating how they wish to contribute to the co-operation with SPAN3. Nokia justified the proposal of moving OSA from Release '99 to Release 2000 with several motivations, including the additional processing capability, as well as overload protection, required to the network elements because of the introduction of OSA application. Other motivations had already been presented during the discussion of the meeting schedule.

Tdoc 010

A joint Siemens/Ericsson proposal on how to proceed with the MExE Service Capability feature.

Tdoc 013

LS received from S2, basically highlighting the same possibility of collaboration remarked by Alcatel (Tdoc 004). SPAN3 seems the natural counterpart of the OSA ad hoc group, although collaboration is obviously open to SPAN6 as well. A CR to S1 will be elaborated offline. The document was noted.

4.4. Workplan Proposals

Tdoc 003

A Time schedule proposal for the future meetings was presented by Alcatel.

Tdoc 009

A Time schedule proposal for the future meetings was also presented by Ericsson, and was found to be quite similar to the Alcatel proposal. Concerns were raised on the meeting in Geneva, because of the collision with the ITU-T meeting, even if this event means the presence of interested parties. Evening sessions might not be the answer to the problem of meeting overlap, because also ITU-T makes use of them, when necessary.

Everybody agreed on the necessity of having a kick off meeting with SPAN3 to specify and consolidate the terms of the collaboration. The dates of December 6th and 7th in Geneva raised difficulties to people involved in ITU-T discussion. Eventually, the dates of **7th and 8th December** were agreed, with the warning that the session of the first day might occur in the evening.

Marconi noted that there are too many meetings in February, with no time available for real work between the meetings. To cope with this potential drawback, the last two meetings of February were merged: 21st and 22nd February. Nokia was still concerned with the overall amount of meetings and made the explicit proposal to move OSA from Release 99 to Release 2000.

Siemens was also concerned with the number of meetings but stated that the work on OSA for Release 99 should be continued and the decision, whether the output material is stable enough or not, should be made in march. (Siemens sympathised). Delegates were asked whether there was agreement on Nokia's proposal: Vodafone agreed, highlighting the time implication of delivering output material with substantially high quality. As a mediation, the Chairman proposed to cancel one more meeting but to maintain OSA as a Release '99 issue: the mandatory condition of no impact on the other Work Items of Release '99 was remarked.

Before the last meeting of the revised schedule, an assessment will be made, to check whether stable activity outcomes had been achieved, ready to be presented and approved. Eventually it was also agreed to move a meeting from 21st to 28th February, and consequently cancel the first meeting in March.

The following table summarises the revised schedule:

Date	Meeting	Venue
03/11 – 04/11 1999	CN OSA adhoc #1	Stockholm
07/12 – 08/12 1999	Joint SPAN3/CN OSA adhoc #2- ITU T SG11	Geneva
13/12 – 15/12 1999	CN #6 plenary	Sophia Antipolis
06/01 – 07/01 2000	Joint SPAN3/CN OSA adhoc #3	Breda (Holland)
01/02 – 02/02 2000	Joint SPAN3/CN OSA adhoc #4 [during SPAN3 interim meeting 31/01 - 04/02]	Sophia Antipolis (but possibly Mexico)
28/02 – 29/02 2000	Joint SPAN3/CN OSA adhoc #6	t.b.d.
13/03 – 15/03 2000	CN#7 plenary	Madrid
20/03 – 24/03 2000	ETSI SPAN3 meeting	Istanbul

In terms of activity Scope, the document also contains a detailed Ericsson proposal of all the items that should compose the Stage 3 definition:-

1. Interface classes: Detailing the stage2 interface class methods and parameters. i.e. detailing the description of parameters. This item is normative.

2. *Data definitions*: Specifying the exact format of the method parameters (e.g. the CallingPartyNumber is of type Number; and a Number can be E.164, IP-address, etc.). This item is normative.
3. *Class diagrams*: The class diagrams define the relationships between (network) services. For example, "CAMEL call control" is a specialisation of the "generic call control" network service. This item is normative.
4. *IDL: Syntax selection, selection of ORB communication (IIOP)* The actual IDL specification of the OSA interface. This item is normative.
5. *Mapping between OSA methods/parameters and CAMEL operations/parameters*: The relation between the OSA method invocations and the CAMEL phase3 operations are shown. This is done at least at method/operation level, but ideally even at parameter level. Since the relation between OSA method and CAMEL operation depends on e.g. the state of the call, it is proposed to define the mapping from OSA methods onto CAMEL operations in terms of use cases. The mapping is informative.

4.5. Proposals for Terms of Reference

5. Approval of output documents

Tdoc 015

Revised to 025, which was approved.

Tdoc 014

LS presented by Marconi and approved.

Tdoc 016

Proposed LS on the interaction between MMS, SAT, MExE, non-MExE terminals and CAMEL/Open Service Architecture was presented by Nokia. The LS was revised to 027.

[For a comprehensive view of the approved document, please refer to the output documents table.](#)

6. Closing of the meeting

The Chairman thanked all participants for their contributions to the meeting discussion and Ericsson for hosting the meeting in Stockholm.

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ANNEX A - List of Participants

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ANNEX B - List of Temporary documents

Tdoc # NP-OSA- 99	Title	Source	Status
001	Terms of reference and Agenda	Meeting convenor	Approved
002	Co-ordination between 3GPP TSG CN and ETSI SPAN3, related to OSA	Alcatel	
003	Proposed Work plan for Co-ordination between 3GPP TSG CN and ETSI SPAN3, related to OSA	Alcatel	
004	TS23.127 V1.0.0	Ericsson	
005	Report of VHE/OSA drafting session	VHE/OSA drafting	
006	Cover sheet for TS 23.127 v1.0.0	VHE/OSA drafting	
007	A proposal for the OSA work plan	Nokia	
008	3GPP Virtual Home Environment/Open Service Architecture status report	Ericsson	
009	Proposed work plan for OSA stage 3 in 3GPP R'99	Ericsson	
010	Proposal on how to proceed with the topic of MExE, SCF in OSA	Ericsson/Siemens	
011	Presentation of the latest OSA features	Ericsson	
012	The Virtual Home Environment (3G TS 22.121 version 3.0.0)	Ericsson	Replaced by 019
013	LS on Collaboration for Open Interfaces	S2	Noted
014	LS to S1 on Clarification of VHE Service Provisioning Model	Marconi	Approved
015	Draft Liaison Statement on security issues in VHE/OSA to S1, S2, S3	Ericsson	Revised to 025
016	Proposed liaison statement to T2, S2, N2 on the interaction between MMS, SAT, MExE, non-MExE terminals and CAMEL/Open Service Architecture	Nokia	Revised to 027
017	Draft Liaison Statement to S1, S2 on Address Translation in VHE/OSA	Ericsson	Revised to 026
018	Draft Liaison Statement to S2 on online charging support in VHE/OSA stage2	Ericsson	Approved
019	The Virtual Home Environment (3G TS 22.121 version 3.1.0)	Ericsson	
020	LS to S1 and S2 on VHE/OSA principles	Ericsson	Approved
021	Proposed LS on a misalignment between VHE stage 1 and VHE stage 2 concerning the concept of service capability feature in section 10 of 22.121	Ericsson/Nokia	Revised to 028
022	Liaison statement to S1, S2 on mandatory requirement for a capability negotiation mechanism for OSA	Vodafone	Approved
023	LS to S2 on Comments on mapping table in clause 8 of 23.127	Vodafone	Approved
024	Draft Liaison Statement response to S2 to 'Collaboration of open	Ericsson	Revised to 029
025	Liaison Statement on security issues in VHE/OSA to S1, S2, S3 (revision of 015)	Ericsson	Approved
026	Liaison Statement to S1, S2 on Address Translation in VHE/OSA (Revision of 017)	Ericsson	Approved
027	Liaison statement to T2, S2, N2 on the interaction between MMS, SAT, MExE, non-MExE terminals and CAMEL/Open Service Architecture (Revision of 016)	Nokia	Approved
028	LS on a misalignment between VHE stage 1 and VHE stage 2 concerning the concept of service capability feature in section 10 of 22.121 (Revision of 021)	Ericsson/Nokia	Approved
029	Liaison Statement response to S2 to 'Collaboration of open interfaces' (Revision of 024)	Ericsson	Approved

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ANNEX D - List of output documents

Tdoc # NP- OSA-99	Title	Destination
014	LS to S1 on Clarification of VHE Service Provisioning Model	S1
018	Draft Liaison Statement to S2 on online charging support in VHE/OSA stage2	S2
020	LS to S1 and S2 on VHE/OSA principles	S1, S2
022	Liaison statement to S1, S2 on mandatory requirement for a capability negotiation mechanism for OSA	S1, S2
023	LS to S2 on Comments on mapping table in clause 8 of 23.127	S2
025	Liaison Statement on security issues in VHE/OSA to S1, S2, S3	S1, S2, S3
026	Liaison Statement to S1, S2 on Address Translation in VHE/OSA	S1, S2
027	Liaison statement to T2, S2, N2 on the interaction between MMS, SAT, MExE, non-MExE terminals and CAMEL/Open Service Architecture	T2, S2, N2
028	LS on a misalignment between VHE stage 1 and VHE stage 2 concerning the concept of service capability feature in section 10 of 22.121	S1
029	Liaison Statement response to S2 to 'Collaboration of open interfaces'	S2