

**3GPP TSG\_CN / SMG3  
Plenary Meeting #7, Madrid, Spain  
13<sup>th</sup> – 15<sup>th</sup> March 2000.**

**Tdoc N**

**Source:** CN OSA ADHOC CONVEYOR  
**Title:** REPORT, CN OSA AD HOC #04, Sophia Antipolis, France  
**Agenda item:** 5.5  
**Document for:** INFORMATION

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**TSG\_CN OSA#04/ETSI SPAN3  
Sophia Antipolis, France  
27 – 28 February 2000**

**N-C**

**Source:** MCC  
[franco.settimo@etsi.fr](mailto:franco.settimo@etsi.fr)  
**Title:** Draft report for the OSA ad hoc#4 meeting on 27 and 28  
January 2000

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## **1 Opening of the meeting and approval of the agenda**

Frans Haerens (SPAN 3 chairman) and Yun Chao Hu (3GPP CN OSA Convenor) welcomed the participants. Frans Haerens also thanked BT for the work done on SDLs, which was tested by Ullrich Mulligan (PEX Competence Centre) and found to be working properly.

## **2 Introduction & grouping of contributions**

## **3 Reports**

### **Tdoc OSA-00027**

It was once more confirmed that the OSA activity needs to be focused on the provisioning of the State Transition Diagrams (as normative part of the document) and if time permits provide the SDL diagrams. In case the SDL is complete it will overrule the STDs, if not they will be as an informative appendix.

## **4 Input liaison statements**

None were received for this meeting.

However, some input material has been received, informally.

### **Tdoc OSA-00050 – (informal received via S2 participants – not to be considered as Liaisons)**

Some informative documents from S2 were received, and they were clearly not official, only for information (no Liaison Statement raised on their side). Concern was raised on the S2 meeting running

parallel: consequently, discussions on Stage 2 requirements cannot be input in time to OSA ad hoc, t have to develop Stage 3 accordingly. The opportunity of joint meetings with S2 was consequently rais

## **5 Version 2 input:**

### **Tdocs OSA-00040 to OSA-00049**

Upon request of the Chairman the documents in the range were all categorised for information with t exception of Tdoc OSA-00040, postponed to the second day to cope with some clarifications requested Alcatel.

## **6 Consideration on contributions related to Release 99 in accordance with the agreements of the OSA ad hoc#3 meeting**

### **Tdoc OSA-00029**

Presented by BT. It can be considered as a check list against Parlay Phase 2, and noted as such. T meeting will keep the document as a reference document. The Parlay group should include the comme expressed in the document into vers. 2.0.

It was clarified that the production of a single Master document is the final target but in the first phase th documents will be available. In particular, 3GPP will use a subset of the defined interfaces, and will ha specific requirements. Alcatel stressed again the requirement that the Master document, when stab ensures convergence between APIs, including all the material for fixed and mobile networks. Eventual the Master document might as well become the ETSI standard, and 3GPP will be able to make references the appropriate sections.

### **Tdoc OSA-00039**

Lucent illustrate an update of the API comparison, a follow up to the work developed in the previous t meetings. All methods, including Parlay 2.0, were listed in the document. In the initial phase, it was agre to concentrate on the third column of the comparison where features of 3GPP OSA TS23.127 version 1. are reported. BT expressed their appreciation for the way the document gives a flavour of the featu involved in the comparison. Based on the disucssion it was agreed to have this API comparison as a livi document for the purposes of the OSA API standardization. **Mr. Musa Un mehopa (Lucent Technologi volunteered to act as editor for this document.**

### **6.1 Framework SCF**

No input material received

### **6.2 Call Control SCF**

#### **Tdoc OSA-00038**

Virtual Home Environment/Open Service Architecture (3G TS 23.xxx version 1.0.0) was presented in detai Ericsson, highlighting the major differences in respect to the Tilburg version. Part of the document v one-to-one copied from Parlay. Marconi expressed the requirement of having more time to read t document. Remarks will be sent by e-mail prior to the next meeting and should be sent to the two explo lists (OSA ad hoc and SPAN3).

Use of the same drawing tool for state transition diagrams from different contributors was encouraged the chairman (i.e. Yun Chao Hu), to limit the risk for confusion.

Some discussion was carried over about the Call Control Manager state transition diagram. Summarisii in sect. 7.1 (Notification Terminating State), nature and type of errors should be better described ( recommended by Marconi) and the diagram should specify how the application will be informed of t transition from application terminated and the fault detected. When the fault disappears the Applicati should be notified, according to Alcatel.

Transition from outgoing setup to incoming should be better specified as well as user interactions with call.

In general, the document will be kept as it is (with the exclusion of the above mentioned unclear issues unless specific comments are received).

Nokia wishes to have the method name specified for all transitions. The meaning of Final report was clarified by Ericsson, upon request from Nokia, and should be better explained in the document.

Sect. 7.2: network deassigned state is explicitly modelled as a transient state and could be removed (but it could be treated later in Release 2000 when multiparty is handled).

It was clarified that Service Factory is an interface defined in Parlay 2.0. Also the specific meaning of the term *Gateway* needs to be more explicitly specified. In general a definition section in the document would help, Marconi suggested.

It was proposed that in the mapping the relationship with the CAMEL Phase 3, user interaction to the call phases and waiting for instructions and monitoring and control relationship can be further detailed.

One week after the end of the meeting, (4<sup>th</sup> February) the document will be sent out by e-mail with the agreed changes. If, within one more week (11<sup>th</sup> February), no comments are raised, the document will be considered stable. **Ulf Mulligan volunteered to forward received e-mails to the SPAN3 exploit**

### **6.3 Charging SCF**

No input material received

### **6.4 User Interaction SCF**

**Tdoc OSA-00038**

See discussion in section 6.2.

### **6.5 Terminal Capability SCF**

**Tdoc OSA-00035**

Terminal Capabilities Service Capability Feature was presented by Ericsson. The document aims at initiating a discussion on the issue, trying to set up some working principles, at the same time. The complete description is expected for the next meeting. It was noted that CAMEL Phase 3 does not contain Terminal Capability information within the CAP protocol: hence, terminal capability information via the gsmSCF platform is excluded from Release 99. In contradiction with the preferred solution for the fixed network, trigger criterion can be defined for the terminal capability that are conveyed towards the S-C platform via the INAP protocol messages (i.e. Higher & Lower Layer Compatibility). The application should not be aware of the object instance from where this terminal information is obtained.

In the table of Client Classes and methods it was proposed to rename the methods (through the discussion) and to try to define parameters in a simpler and more general way.

### **6.6 User Location SCF**

**Tdoc OSA-00037**

Lucent will be assisted (by Ericsson and Siemens, in particular) in their role of editor of the document mapping. Current achievements will be the basis for further work. A Liaison Statement to S2 will be drafted and sent out, asking that they revise their time plan in such a way that OSA ad hoc has enough time to consider Stage 2 requirements.

Agreed that Stephane's document (Ericsson) will be the basis for further work.

Ericsson offered to assess differences between Stage 2 requirements on Mobility Management and Parlay 2.0 and the Stage 3 material on SCF. This will provide a comprehensive overview.

Lucent re-stated their general concern on stability of Stage 2 requirements. Communication between S2 and the OSA ad hoc group was also an issue for concern, not only from Lucent, but also from Ericsson and Nokia.

Lucent requested whether the document was presented for information or for approval. After a short discussion, it was agreed to present the document for information.

The Class diagrams were illustrated and some discussion was carried on about Location Services: the User Location Emergency will be removed. Emergency calls should be possible even without SIM card, as in the GSM networks. The terminal type semantics should be clarified in the User Status section.

Ericsson was requested to liaise with the S2 delegate and align the content of the document with the most recent S2 updates.

#### **6.7 User Status SCF**

Also covered by Tdoc 037.

#### **6.8 Message Transfer SCF**

No input material received

#### **6.9 Data Download SCF**

##### **Tdoc OSA-00036**

Presented by Ericsson who found it useful to generalise the User Interaction, Message transfer and Data Download SCFs into Information Transfer service capability feature. Objective: to mirror capability of the WAP access protocol to OSA API. Among the list of advantages, usage of the OSA interface provides extra security. The WAP gateway proposed by Ericsson was recognised to be a general purpose gateway accessible by all content providers. In the discussion, however, Siemens expressed concerns on a direct interface between Application and WAP Gateway. BT has suggested to use a separate link to transfer the WML information. This view was supported by Lucent and Siemens. However, the meeting agreed that the OSA Framework security mechanism (i.e. registration, authentication and service discovery mechanism) can be reused to authenticate Service Providers towards the WAP GW provider.

Agreement is needed on the concept of guaranteeing secure data transfer from a content provider to a fixed/mobile network node.

According to Lucent, the amount of fundamental problems makes it impossible to accept the principles of the document for implementation in Release 99. The chairman (i.e. Yun-Chao Hu) expressed another concern: that if Release 99 is too limited in scope, its content will be shifted to Release 2000.

#### **6.10 User Profile Management SCF**

No input material received, however the chairman (i.e. Yun Chao Hu) stated that in case of WAP UAPr (i.e. Terminal profile) it is included into OSA R'99. Considering User Profiles (Subscriber information) is considered to be addressed fully in Release 2000.

### **7 SDL Modelling**

#### **Tdoc OSA-00028**

Noted

#### **Tdoc OSA-00030**

Noted

#### **Tdoc OSA-00031**

Noted

#### **Tdoc OSA-00051**

SDL Expression of the Formal Semantics of the Parlay 1.2 API was presented by BT. Cautions on the fact that the content has not been completed and validated were explicitly mentioned. Portability of applications across domains is one of the qualifying objectives of the work.

Siemens volunteered to take over the SDL activity for user interaction and call control, although it will be impossible to finalise it by March. Siemens and Alcatel will drive this activity, but Ericsson, BT and E7 volunteered in supporting this activity by reviewing, etc.

## **8 API Mapping**

### **OSA-00032**

Presented by Lucent Technologies. It follows from a Tilburg decision on preparing a specific document: CAP mapping. Reference to 29.078, instead of 23.078, was requested from Nokia, since OSA had to deal with Stage 3. The document was discussed in detail at a great extent. Some message names were found misleading, but caution needs to be taken (BT warned) in changing them. Some text will be provided by HDS to Lucent. Parts still to be completed were duly highlighted.

### **OSA-00033**

Presented by Lucent. The Open issues from CAP mapping to API were described. It was also pointed out that a date for completion of 23.127 (Stage 2 requirements) was fixed for mid February.

## **9 Any other business**

## **10 Approval of output documents**

### **TdocOSA-00040**

The document contains a series of specific questions on the structure of the reference document. It was pointed out that Parlay Phase 2 is available but some special sections have to be created to introduce the State Transition Diagrams (the Chairman agreed). Class Diagrams are basically the same but the OSA ones have a higher level of hierarchy/inheritance, and contain more material, according to BT. It was agreed to remove the references to VHE. IDLs also need to be included.

### **10.1 Output liaison statements**

#### **Tdoc OSA-00054**

The LS to S2 was agreed with no comments and immediately sent out to the MCC secretary and to other selected S2 delegates.

### **10.2 Output Documents**

#### **Tdoc OSA-00052**

A table with the Assessment of the status on the OSA-API was highlighted. Different colours indicate different level of material stability. Charging capabilities can be included in the call control features, if they are call related.

The declared achievements were found rather optimistic by Nokia, who preferred to see more yellow cells (i.e. not yet stable). For SDLs, significant achievements can be reached by March, but full stability seems unrealistic. In this respect, the SDL colour will be changed to blue. Substantial work (i.e. blue) still needs to be done for the CAP Call Control and User Interactions SDLs. Open issues in the USSD area were identified by Nokia.

#### **Editorships:**

Ericsson (Yun Chao Hu) volunteered for the position of editor for the main document.

Alcatel, as already stated in Tilburg, volunteered for the editorship of the Framework part.

Ericsson volunteered for Call Control

For charging, there was some interest on the Siemens side but they said they were unable to take editorship.

Terminal Capability: Siemens (Bernhard) and Ericsson (Yun Chao, for the time being) declared their availability.

Data download: Ericsson, Siemens, Lucent and HDS will constitute a Task Force.

User Profile Handling: no editor needed.

The updated table and workplans will be included in the meeting report. **See Annex D.**

Work plan: draft Call Control will be available by February 4<sup>th</sup> and is expected to be stable by February 18<sup>th</sup>.

User Interaction: same deadlines.

User Location: available for February 18<sup>th</sup>.

Terminal Capabilities: available by February 15<sup>th</sup>.

Data download: Ericsson (Yun Chao) will provide some material before the 14<sup>th</sup>, an ad hoc session will be held on February 17<sup>th</sup>, results to be available for the Antwerp meeting.

SDL modelling: 2<sup>nd</sup> March agreed as a deadline for the draft material.

## **11 Review of dates and hosts for future meetings**

The next meeting will be hosted by Alcatel in Antwerp on **28, 29 February and 1 March.**

**An ad hoc session on Framework SCF is planned for the 10<sup>th</sup> of February on a need basis. If concerns are raised against the proposed text from Alcatel then a teleconference might be held instead of a face-to-face meeting.**

**A teleconference is planned on Data Download SCF issues for the 17<sup>th</sup> of February.**

## **12 Closing of the meeting**

The Chairman thanked all participants for their contribution to the meeting and ETSI for hosting it.

**TSG\_CN OSA#04/ETSI SPAN3**  
**Sophia Antipolis, France**  
**27 – 28 February 2000**

**A N N E X A**

**Source:** ETSI SPAN3 Chairman & TSG-N OSA Convenor

[frans.haerens@alcatel.be](mailto:frans.haerens@alcatel.be) & [Yun-Chao.Hu@era.ericsson.se](mailto:Yun-Chao.Hu@era.ericsson.se)

**Title:** Proposed agenda for the OSA ad hoc#4 meeting on 27 and 28 January 2000

- 1 Opening of the meeting and approval of the agenda (9:30 Thursday)**
- 2 Introduction & grouping of contributions**
- 3 Reports**
- 4 Input liaison statements**
- 5 Consideration on contributions related to Release 99 in accordance with the agreements of the OSA ad hoc#3 meeting**
  - 5.1 Framework SCF
  - 5.2 Call Control SCF
  - 5.3 Charging SCF
  - 5.4 User Interaction SCF
  - 5.5 Terminal Capability SCF
  - 5.6 User Location SCF
  - 5.7 User Status SCF
  - 5.8 Message Transfer SCF
  - 5.9 Data Download SCF
  - 5.10 User Profile Management SCF
- 6 SDL Modelling (4<sup>th</sup> session of 27 January 2000)**
- 7 API Mapping**
- 8 Any other business**
- 9 Approval of output documents**
  - 9.1 Output liaison statements
  - 9.2 Output Documents
- 10 Review of dates and hosts for future meetings**
- 11 Closing of the meeting (16:00 Friday)**

The proposed time plan is attached; a separate contribution showing the proposed allocation of documents to agenda items will be tabled at the beginning of the meeting.

	<b>Thursday</b>	<b>Friday</b>
9:00 <b>Session 1</b> 10:30	Opening business (1, 2, 3) Input liaison statements (4) Input contributions (5)	Input Contributions (5)
<b>Break</b>		
11:00 <b>Session 2</b> 12:30	Input Contributions (5)	Input Contributions (5)
<b>Lunch</b>		
14:00 <b>Session 3</b> 15:30	Input Contributions (5)	API Mapping (7) Approval of Output Documents (9) Closing Business (10)
<b>Break</b>		
16:00 <b>Session 4</b> 17:30	Input Contributions (5)	

**3GPP TSG\_CN OSA#04**  
**OSA Ad-hoc Meeting,**  
**Sophia Antipolis, France - 26 ÷ 27 January, 2000**

**A N N E X B**

**List of Participants**

<b>Name</b>	<b>Organisation</b>	<b>Tel.</b>	<b>e-mail</b>
<b>ABARCA Chelo</b>	Alcatel	+33 1 69 63 14 11	<a href="mailto:Chelo.Abarca@alcatel">Chelo.Abarca@alcatel</a>
<b>BOHMER Bernhard</b>	Siemens	+49 30 386 22756	<a href="mailto:bernhard.boehmer@icn.siem">bernhard.boehmer@icn.siem</a>
<b>COUTURIER Alban</b>	Alcatel	+33 1 69 63 11 97	<a href="mailto:alban.couturier@alcatel">alban.couturier@alcatel</a>
<b>DESROCHERS Stéphane</b>	Ericsson Research	+1 514 345-7900	<a href="mailto:lmcstde@lmc.ericsson">lmcstde@lmc.ericsson</a>
<b>HAERENS Frans</b>	Alcatel	+32 3240 9034	<a href="mailto:frans.haerens@alcatel">frans.haerens@alcatel</a>
<b>HU Yun-Chao</b>	Ericsson Radio Systems	+46 8 508 781 53	<a href="mailto:Yun-Chao.Hu@era.ericsson">Yun-Chao.Hu@era.ericsson</a>
<b>HUMPHREY Jane D</b>	Marconi Communications	+44 1202 853757	<a href="mailto:Jane.humphrey@marconicom">Jane.humphrey@marconicom</a>
<b>KETT Richard</b>	BT	+44 1473 644949	<a href="mailto:Richard.kett@bt.com">Richard.kett@bt.com</a>
<b>KIMBLER Kristofer</b>	HDS	+46 40 664 26 81	<a href="mailto:Kristofer.Kimble@hds">Kristofer.Kimble@hds</a>
<b>KLOSTERMANN Lucas</b>	Ericsson	+31 161 249057	<a href="mailto:Lucas.Klostermann@etm.ericsson">Lucas.Klostermann@etm.ericsson</a>
<b>MARKOVICS Peter</b>	Siemens	+43 51707 21760	<a href="mailto:peter.markovics@siemens">peter.markovics@siemens</a>
<b>MOERDIJK Ard-Jan</b>	Ericsson	+31 161 242777	<a href="mailto:Ard.Jan.Moerdijk@etm.ericsson">Ard.Jan.Moerdijk@etm.ericsson</a>
<b>MULLIGAN Ultan</b>	ETSI PEX	+33 4 92 94 43 88	<a href="mailto:ultan.mulligan@etsi.fr">ultan.mulligan@etsi.fr</a>
<b>SAARENPAÄ Matti</b>	Nokia	+358 3 25 74666	<a href="mailto:Matti.saarenpaa@nokia.com">Matti.saarenpaa@nokia.com</a>
<b>SETTIMO Franco</b>	ETSI MCC	+33 4 92 94 42 38 +39 348 999 85 84	<a href="mailto:franco.settimo@etsi.fr">franco.settimo@etsi.fr</a>
<b>STRETCH Richard</b>	BT	+44 1473 644653	<a href="mailto:richard.stretch@bt.com">richard.stretch@bt.com</a>
<b>UNMEHOPA Musa</b>	Lucent Technologies	+31 35 687 1684	<a href="mailto:unmehopa@lucent.com">unmehopa@lucent.com</a>
<b>WALKDEN Mike</b>	BT	+441473 649447	<a href="mailto:Michael.walkden@bt.com">Michael.walkden@bt.com</a>

**3GPP TSG\_CN OSA#04**  
**OSA Ad-hoc Meeting,**  
*Sophia Antipolis, France 27 ÷ 28 January, 2000*

**A N N E X C**

**List of Temporary Documents**

<b>Tdoc #</b> <b>NP-</b> <b>OSA-00</b>	<b>Title</b>	<b>Source</b>
<b>025</b>	Draft agenda	Chairman
<b>026</b>	Tdoc allocation to agenda items	Chairman
<b>027</b>	Meeting report from Tilburg	MCC
<b>028</b>	SDL Expression of the Formal Semantics of the Parlay API;	BT
<b>029</b>	Proposed Changes to Parlay 1.2	BT
<b>030</b>	The Parlay SDL specification in SDT Format (zipped files)	BT
<b>031</b>	The Parlay SDL Specification in PDF Format	BT
<b>032</b>	Mapping CAP protocol operations to the API interface class methods for Access to Third Party Service Applications	Lucent Techn
<b>033</b>	CAP/API mapping open issues for discussion	Lucent Techn
<b>034</b>	Re-inclusion of call overload methods in OSA 23.127	Lucent Techn
<b>035</b>	Terminal Capabilities Service Capability Feature	Ericsson
<b>036</b>	WAP information transfer service capability feature	Ericsson
<b>037</b>	Mobility Management service capability feature	Ericsson
<b>038</b>	Virtual Home Environment / Open Service Architecture (3GTS23.xxxversion 1.0.0)	Ericsson
<b>039</b>	API comparison document	Lucent Techn
<b>040</b>	Doc structure	BT
<b>041</b>	Connectivity manager	BT
<b>042</b>	Mobility	BT
<b>043</b>	Framework2	BT
<b>044</b>	Call processing	BT
<b>045</b>	Parlay API 1_2_2 Messaging_Interfaces_Jan07	BT
<b>046</b>	Messaging_sequence Diags	BT
<b>047</b>	Parlay API 1_2_2 Messaging_DataDef_Jan07	BT
<b>048</b>	Messaging_ClassDiags	BT
<b>049</b>	Parlay API 1_2_1 Common_DataDef_Jan11	BT
<b>050</b>	Set of Stage 2 documents received from S2	TSG SA WG2
<b>051</b>	Slides on Parlay API	BT
<b>052</b>	Status overview	Ericsson
<b>053</b>	Review of the Status overview	Ericsson
<b>054</b>	Liaison Statement on VHE/OSA time schedule	Ericsson

A N N E X D

OSA R'99 Assessment

1. Assessment of the status on the OSA-API

	Framework	Call Control	User Interaction	Charging	Terminal Capability	User Location	User Status	Message Transfer
I/F Def	Alcatel	Ericsson1	Ericsson1		Ericsson	Ericsson2	Ericsson2	Ericsson
Class Diagram	Alcatel	Ericsson1	Ericsson1		Ericsson	Ericsson2	Ericsson2	Ericsson
Data Def	Alcatel	Ericsson1	Ericsson1		Ericsson	Ericsson2	Ericsson2	Ericsson
STD	Alcatel	Ericsson1	Ericsson1		Ericsson	Ericsson2	Ericsson2	Ericsson
SDL	S/AMDS	S/AMDS	S/AMDS					
API-CAP	X	Lucent	Lucent		X	Lucent	Lucent	X
API-MAP	X	X	X		X			X
API-WAP	X	X	X	X		X	X	X

Notes:

Red: No information and proposals has been received at the previous CN OSA Adhoc meetings. Bl sheet impression.

Blue: Some material has been received, and principle agreements has been established. Further det on stage 3 specifications are still required

Yellow: Material has been received, but differnt opinions has been expressed during the meeting. Furtl actions needs to be performed to reach a possible agreement.

Green: Substantial material has been agreed as a basis for the 3GPP TS on the OSA- API. The assumt is that final stable specificaicon can be reached at the TSG CN OSA#05 meeting (Antwe Belgium).

User Profile Handling SCF It is assumed that the User Profile Handling is limited to the capabilities of UAProf (i.e. WAP) retrieval. Based on this assumti the user profile handling SCF is covered by the terminal capabilit SCF descriptions.

2. Editors

	Company	Name	Tel
<b>Main Editor</b>	Ericsson	Yun Chao Hu	
<b>Editor Framework</b>	Alcatel	Chelo Abarca	
<b>Editor Call Control</b>	Ericsson	Ard-Jan Moerdijk	
<b>Editor User Interaction</b>	Ericsson	Ard-Jan Moerdijk	
<b>Editor Charging Info</b>	-	-	
<b>Editor Terminal Capability</b>	Ericsson/Sie mens	Yun Chao Hu/Bernard	

		Böhmer	
<b>Editor User Location</b>	Ericsson	Stephane Desrochers	
<b>Editor User Status</b>	Ericsson	Stephane Desrochers	
<b>Editor Message Transfer</b>	-	-	
<b>Editor User Profile Handling</b>	-	-	
<b>Editors Mapping API-CAP</b>	Lucent	Musa	
<b>API-CAMEL (MM SCF)</b>	Lucent/Siemens/Ericsson	Musa/Bernard/Lucas	
<b>API-MAP</b>	Ericsson	Lucas Klostermann	
<b>SDL</b>	Siemens/Alcatel/HDS	Bernard/Frans/Kris	
<b>Taskforce Data Download</b>	Ericsson/Siemens/Lucent/HDS	Yun-Chao/Bernard/Musa/Kris	
<b>Taskforce SDLs</b>	Siemens/HDS/Alcatel/ETSI/BT	Bernard/Kris/Frans/Ultan/Mike	

### 3. Workplan

	<b>Provided</b>	<b>Available</b>	<b>Stable</b>
<b>Framework</b>	07-02-2000	10-02-2000 (Framework AH if appropriate otherwise tele)	18-2-2
<b>Call Control</b>	CN OSA#03	4-2-2000	18-2-2
<b>User Interaction</b>	CN OSA#03	4-2-2000	11-2-2
<b>Charging Info</b>			
<b>Terminal Capability</b>	07-02-2000	11-02-2000	18-02-
<b>User Location</b>	CN OSA#04	4-2-2000	18-2-2
<b>User Status</b>	CN OSA#04	4-2-2000	11-2-2
<b>Message Transfer</b>			
<b>Data Download</b>	14-02-2000	17-02-2000 (WAP Tele)	CN OSA#04
<b>User Profile Handling</b>			
<b>SDL</b>	CN OSA#04	02-03-2000 (SDL Modelling)	?
<b>Mapping</b>			