TSGS#27(05) 0065

Source: **SA1**

Title: **CR to 22.217 Add Service Broker Requirement (Rel 7)**

Document for: **Approval**

Agenda Item: **7.1.3**

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-27	SP-050065	22.127	076	-	Rel-7	B	Add requirement for OSA Service Broker	6.7.0	7.0.0	S1-050249

TSG-SA WG1 #27 **S1-050249**
Cape Town, South Africa, 17th to 21st January 2005 **Agenda Item:**

CR-Form-v7.1

CHANGE REQUEST

⌘ **22.127** **CR** **076** ⌘**rev** **-** ⌘ Current version: **6.7.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network **X**

Title:	⌘	Add requirement for OSA Service Broker
Source:	⌘	SA1 (Orange, Alcatel, AePONA)
Work item code:	⌘	OSA4
Date:	⌘	19/01/2004
Category:	⌘	**B**
Release:	⌘	Rel-7

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
Ph2 *(GSM Phase 2)*
R96 *(Release 1996)*
R97 *(Release 1997)*
R98 *(Release 1998)*
R99 *(Release 1999)*
Rel-4 *(Release 4)*
Rel-5 *(Release 5)*
Rel-6 *(Release 6)*
Rel-7 *(Release 7)*

Reason for change:	⌘	Service brokering is a term used to encapsulate the functions of service selection, service provisioning, feature or service interaction and service chaining. The OSA APIs provide a suite of APIs that address many of the functional and operational aspects of enabling service delivery through open standardised specifications. However there are no defined mechanisms or semantics that address the full scope of service brokering, in particular selection and provisioning for multi service usage requireing service interaction and service chaining. The functions of service brokering apply equally to legacy circuit switched environments and next generation IMS, and it is therefore necessary to introduce an OSA requirement for Service brokering that will allow a suitable solution for service brokering consistent with the OSA and broader 3GPP architecure and specifications to be provided.
Summary of change:	⌘	Introduce a new section outlining the service brokering requirement.
Consequences if not approved:	⌘	The OSA APIs will remain limited to a restricted set of the functions necessary to succesfuly deliver and deploy services. In particular the absence of a suitable service brokering solution may result in the inability to successfully co-deploy OSA with legacy and future next generation IMS services in the absence of proprietary technology solutions.

Clauses affected:	⌘	New Clause introduced

		Y	N			
Other specs affected:	⌘	X		Other core specifications	⌘	29.198
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	This requirement has been agreed for Parlay (Release 6) and ETSI (OSA 4) versions of the OSA specifications, and as such a technical solution shall be produced through contributions and consensus reached in the joint specification workgroup, CN5. Including this requirement in 3GPP Release 7 shall maintain consistency between the 3GPP version of the specifications and the other published versions.

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

12 Service Brokering Function

OSA Service Brokering support requires API level capabilities like Service Selection, Service Provisioning, Feature Interaction and Service Chaining. The concept of Service brokering in this context is the ability to package, provision and supply a set of applications or services onwards to the application server implementing the business logic that requires the use of such a service broker functionality.

Service broker function shall enable the delivery of multiple services in an operator network in a managed and controlled fashion. Therefore whenever an event occurs, there is a need to ensure that the set of applications or services that may act upon that event are invoked in a manner that does not conflict with any other application or service defined in the provisioned package of applications or services.

OSA Service Brokering API should be capable of supporting the following features;

- Provisioning and Management of all data necessary to support OSA service brokering
- Evaluation of OSA service brokering data to control execution of service scenarios
- Be transparent of OSA service brokering location, including support for network service brokering, OSA SCS service brokering and OSA application service brokering.

Note:

Examples where a OSA service brokering solution may apply include:

- A network event such as a call trigger may result in the need to resolve conflicts between different services and service delivery platforms.
- A OSA SCS may receive or generate an event that requires the use of further OSA SCSs, for example Policy Management, Charging etc., transparent to the application using the SCS.
- A OSA SCS may generate an event that may result in the need to resolve conflicts between multiple OSA applications.