Technical Specification Group Services and System Aspects **TSGS#28(05)0394**

Meeting #28, 06 - 09 June 2005,

Quebec, Canada

CR-Form-v7.1

CHANGE REQUEST

⌘	22.127	CR	076	⌘ rev	~~2~~ 3	⌘	Current version:	6.8.0	⌘

*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, BT, AePONA)~~ Alcatel, BT, Nortel, Orange, Telcordia
Work item code:	⌘	OSA4
Date:	⌘	07/06~~4~~/2005
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 need for service brokering is wider than the OSA domain and has been identified at other places in the 3GPP architecture. It is therefore necessary to introduce a requirement for service brokering in OSA that would allow for a consistent handling of the function inside the OSA domain.
Summary of change:	⌘	Introduce a new section outlining the service brokering API requirement.
Consequences if not approved:	⌘	

Clauses affected:	⌘	New Clause introduced			
Other specs affected:	⌘	Y: X Y: Y:	N: N: X N: X	Other core specifications Test specifications O&M Specifications	⌘ 29.198
Other comments:	⌘	New Clause should be inserted between clauses 11 and 12			

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.

X 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 within an OSA environment.

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
- Service Brokering should support OSA SCS Service Brokering and OSA Application Service Brokering.

Note:

Examples where an 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 OSA applications and related service delivery platforms.
- An 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.
- An OSA SCS may generate an event that may result in the need to resolve conflicts between multiple OSA applications.

Note: Requirements for the service brokering between OSA and non-OSA applications are FFS.