

**3GPP TSG CN Plenary Meeting #17
4 - 6 September 2002, Biarritz, FRANCE**

NP-020439

Source: CN5 (OSA)
Title: Rel-5 CRs 29.198-13 OSA API Part 13: Policy Management
Agenda item: 8.2
Document for: APPROVAL

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
NP-020439	29.198-13	001	-	Rel-5	Add text to clarify requirements on support of methods	F	5.0.0	N5-020726	OSA2

CHANGE REQUEST

⌘ **29.198-13 CR 001** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Add text to clarify requirements on support of methods		
Source:	⌘ CN5		
Work item code:	⌘ OSA2	Date:	⌘ 12/07/2002
Category:	⌘ F	Release:	⌘ REL-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.		REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘ It is not clear in the OSA Specifications what exactly is meant by support of a method: is it sufficient to include such code as to respond correctly to a method invocation with the exception P_METHOD_NOT_SUPPORTED, or is it required to support the functionality described and defined by the method?
Summary of change:	⌘ Add text to clause 4 to indicate that support or implementation of a method requires that the functionality of the method be supported or implemented.
Consequences if not approved:	⌘ Different vendors and application developers will each build equipment and applications which they claim to be conformant, but which will never interwork.

Clauses affected:	⌘ 4
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/>
	<input type="checkbox"/> Test specifications
	<input type="checkbox"/> O&M Specifications
Other comments:	⌘

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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.

4 Policy Management SCF

It is expected that more and more OSA services will use policies to express operational criteria. It is also expected that network providers will host policy-enabled services that have been written by 3rd party application service providers. In order to manage policy information and control access to it a policy management service is needed. Consistent with this, a policy management service interface manager, IpPolicyManager, has been defined. All policy management interfaces are accessible from IpPolicyManager.

A number of APIs have been defined to obtain services from a policy management service. These include APIs to create, update or view policy information. Additionally APIs have been defined to facilitate interactions between clients (e.g., a 3rd party application) and any policy enabled service. These include APIs to view policy events, to subscribe to policy events and for the generation of events by clients. All APIs conform to an underlying policy information model.

Clients that perform administrative tasks, e.g., create, update or delete policy information must obtain access to IpPolicyManager using the family of obtainInterface() methods supported by the IpAccess interface. Administrative tasks may be performed through methods supported by IpPolicyManager.

Clients that need to interact with a specific policy enabled service (for non-administrative tasks) can obtain access to that service's interface directly via the selectService() method supported by the IpAccess interface. It should be noted that specific policy enabled services may support additional interfaces and methods that are not defined below. Examples of policy enabled services include: A load balancing service that uses policies to manage application loads on the network, a charging service that determines charging criteria based on policies, a call management service that uses policies to direct end-user calls to appropriate call agents, etc.

The order is as follows:

- The Sequence diagrams give the reader a practical idea of how each of the SCF is implemented.
- The Class relationships clause show how each of the interfaces applicable to the SCF, relate to one another.
- The Interface specification clause describes in detail each of the interfaces shown within the Class diagram part.
- The State Transition Diagrams (STD) show the transition between states in the SCF. The states and transitions are well-defined; either methods specified in the Interface specification or events occurring in the underlying networks cause state transitions.

The Data Definitions clause shows a detailed expansion of each of the data types associated with the methods within the classes. Note that some data types are used in other methods and classes and are therefore defined within the Common Data types part of this specification.

An implementation of this API which supports or implements a method described in the present document, shall support or implement the functionality described for that method, for at least one valid set of values for the parameters of that method. Where a method is not supported by an implementation of a Service interface, the exception P METHOD NOT SUPPORTED shall be returned to any call of that method.