TSGS#23(04)0121

Source: SA5 (Telecom Management)

Title: Rel-6 CR 32.362 EP IRP IS correction

Document for: Decision

Agenda Item: 7.5.3

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Versi	Doc-2nd-Level	Workitem
SP-040121	32.362	001	-	Rel-6	Clarification on Entry Point (EP) Integration Reference Point (IRP) Information Service	F	6.0.0	S5-046210	OAM-NIM

3GPP TSG-SA5 (Telecom Management) **S5-046210**
Meeting #37, Malaga, SPAIN, February 23-27, 2004

CR-Form-v7

CHANGE REQUEST

⌘ **32.362** **CR** **001** ⌘ **rev** **-** ⌘ Current version: **6.0.0** ⌘

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

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

Title:	⌘	Clarification on Entry Point (EP) Integration Reference Point (IRP) Information Service
Source:	⌘	**SA5** Ericsson (edwin.tse@ericsson.com, john.power@ericsson.com)
Work item code:	⌘	OAM-NIM
Date:	⌘	27/02/2004
Category:	⌘	**F**
Release:	⌘	Rel-6

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:

2	*(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)*

Reason for change:	⌘	Avoid wrong interpretation of the responses of operations and notification.
Summary of change:	⌘	EPIRP provides means for IRPManager to discover xxxIRPs such as AlarmIRP. The proposed CR clarifies that the discovered xxxIRP includes all EPIRP instance (including self). Clarify that the MOC/MOI in notification identifies the EPIRP reporting the change rather than identifying the IRPAgent whose EPIRP is reporting the change.
Consequences if not approved:	⌘	EPIRP implementations, on providing xxxIRP discovery service, will be inconsistent.

Clauses affected:	⌘	6.3, 6.4.1

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

⌘

Other comments: ⌘

How to create CRs using this form:

Change in Clause 6.3

6.3.1 Operation `getIRPOutline` (M)

6.3.1.1 Definition

The IRPManager uses this operation to request the EPIRP to return the outline information of the supported IRPs. IRPManager could set a filter constraint on the returned information according to specific requirements.

The EPIRP shall return the outline information of all the IRPs, including itself and other EPIRP instances that it knows, supported by the IRPAgent that contains the EPIRP.

The EPIRP may additionally return the outline information of all the IRPs, including EPIRP instances, supported by other IRPAgents.

6.3.1.2 Input parameters

Parameter Name	Qualifier	Information Type	Comment
iRPVersion	M	String	It specifies an IRPVersion that IRPAgent shall use when constructing its output parameter supportedIRPList. If this parameter is absent, then all the supported IRPVersions shall be used to construct its supportedIRPList.

6.3.1.3 Output parameters

Parameter Name	Qualifier	Matching Information	Comment
supportedIRPList	M	A sequence of elements. Each element is: - systemDN (M) - iRPList (M) where iRPList is a sequence of elements. Each element is: - iRPId (M) - iRPVersionSet (M) - iRPManagementScope (O)	This parameter will return a sequence of elements. The systemDN (as defined in 3GPP TS 32.622 [7]) is the Distinguished Name (DN) of the IRPAgent that contains the IRPs identified by the related iRPList. Note that this IRPAgent may or may not be the same IRPAgent that contained the EPIRP (that is responding to this operation). The iRPId (as defined in 3GPP TS 32.622 [7]) is the identifier of a specific Interface IRP (e.g. AlarmIRP 3GPP TS 32.111-1 [4], PMIRP 3GPP TS 32.401 [3]) contained by the IRPAgent identified by the systemDN sub-parameter. The iRPVersionSet (as defined in 3GPP TS 32.312 [8]) is the set of IRPVersions supported by the xxxIRP identified by the iRPId sub-parameter. IRPVersion is used to identify a particular IRP solution set specification as defined in 3GPP TS 32.311 [9] (see note). The iRPManagementScope parameter-, when present, shall carry a list of the DNs that identify the sub trees under the management of the xxxIRP. This parameter, if present, shall contain no information if the xxxIRP is EPIRP. In case there is no supported IRP, this sequence shall contain no element. The operation is considered successful.
Status	M	ENUM (OperationSucceeded, OperationFailed)	An operation may fail because of a specified or unspecified reason.
NOTE: Each IRPVersion number is a version supported by the identified interface IRP, not a version of NRM IRP.			

6.3.1.4 Pre-condition

The precondition must hold true before the operation is invoked.

iRPVersionIsValid

Assertion Name	Definition
IRPVersionIsValid	The iRPVersion specified is valid.

6.3.1.5 Post-condition

None.

6.3.1.6 Exceptions

Exception Name	Definition
InvalidIRPVersion	**Condition**: iRPVersionIsValid = FALSE **Returned information**: The response parameter is returned **Exit state**: Entry state
OperationFailed	**Condition:** Pre-condition is false or post-condition is false **Returned Information:** The output parameter status **Exit state:** Entry state

6.3.2 Operation `getIRPReference` (M)

6.3.2.1 Definition

The IRPManager uses this operation to request the EPIRP to return an IRP Reference for a specific version of a specific IRP, including EPIRP.

Whether IRP References are statically or dynamically allocated is outside the scope of the present document.

End of change in Clause 6.3

Change in Clause 6.4.1

6.4.1 Notification `notifyIRPInfoChanges` (M)

6.4.1.1 Definition

The subscribed IRPManager instances are notified that the information (management scope, IRP Reference, etc.) of one IRP, including itself and other EPIRP instances, stored in EPIRP has changed. This behaviour of sending `notifyIRPInfoChanges` shall cover the case when the `EPIRP` is installed in the operating environment and the information of IRPs are entered into the EPIRP via the EPIRP non-standardized local interface.

6.4.1.2 Input Parameters

Parameter Name	Qualifier	Matching Information	Comment
objectClass	M, Y	EPIRP.objectClass	Notification header - see 3GPP TS 32.302 [5]
objectInstance	M, Y	EPIRP.objectInstance	Notification header - see 3GPP TS 32.302 [5]. This and object class shall identify the EPIRP instance originating the subject notification.~~contain the same information as systemDN.~~
notificationId	M, N	This carries the semantics of notification identifier	Notification header - see 3GPP TS 32.302 [5]
eventTime	M, Y		Notification header - see 3GPP TS 32.302 [5]
systemDN	C, Y	IRPAgent.systemDN where the IRPAgent is related to the EPIRP	Notification header - see 3GPP TS 32.302 [5]. This identifies the IRPAgent instance that contains the EPIRP issuing the subject notification.
notificationType	M, Y	"notifyIRPInfoChanges"	Notification header - see 3GPP TS 32.302 [5]
iRPDN	M, N	STRUCT { IRPAgent.systemDN; xxxIRP.iRPId}	EPIRP maintains certain information about xxxIRP, including itself and other EPIRP instances, such as ~~The IRPAgent is related to the specific interface IRP xxxIRP (e.g.~~ AlarmIRP, PMIRP.~~)~~ This information identifies the xxxIRP instance whose information stored in EPIRP has changed, ~~and xxxIRP.iRPId is the iRPId of that xxxIRP.~~
changeMode	M, N	ENUM {REGISTER, DEREGISTER, MODIFY}	It carries the information change mode of that xxxIRP.
additionalText	O, N	Text	It can contain further information for this notification.

End of change in Clause 6.4.1