
Source: SA5 (Telecom Management)
Title: Rel-6 CR 32.411 (Performance Management IRP: Requirements) : Add PM IRP compliance clause
Document for: Decision
Agenda Item: 7.5.3

Doc-1st-Level	Spec	CR	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Status-2nd-Level	WI
SP-030649	32.411	002	Rel-6	Add PM IRP compliance clause	B	6.1.0	S5-038809	Agreed	OAM-PM

CHANGE REQUEST

⌘ **32.411 CR 002** ⌘ rev - ⌘ Current version: **6.1.0** ⌘

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

Title:	⌘ Add PM IRP compliance clause		
Source:	⌘ SA5 (edwin.tse@ericsson.com)		
Work item code:	⌘ OAM-PM	Date:	⌘ 21/11/2003
Category:	⌘ B	Release:	⌘ Rel-6
	Use <u>one</u> 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 <u>one</u> 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:	⌘ Add compliance requirements for PM IRP		
Summary of change:	⌘ Add a Requirement clause for PM IRP section 6.		
Consequences if not approved:	⌘ Requirement on other (non PM) IRPs for the support of PM IRP will be ambiguous and may cause interoperability problem.		

Clauses affected:	⌘ 2, 6						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
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	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘						

How to create CRs using this form:

Change in Clause 2

2 References

...

- [4] 3GPP TS 32.401: "Telecommunication management; Performance Management (PM); Concept and requirements".
- [5] 3GPP TS 32.111-2 to -4: "Telecommunication management; Fault Management; Parts 2-4: Alarm Integration Reference Point (IRP)".
- [6] 3GPP TS 32.30x: "Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP)".
- [7] [Draft 3GPP TS 32.341 File Transfer \(FT\) IRP Requirements.](#)

End of change in Clause 2

Change in Clause 6

6 Overview of IRPs related to Performance Management (PM)

The N interface is built up by a number of IRPs. The basic structure of the IRPs is defined in 3GPP TS 32.101 [2] and 3GPP TS 32.102 [3].

For the purpose of PM₁, the following IRPs are needed:

- Performance Management IRP, i.e. 3GPP TS 32.41x.
- Alarm IRP, see 3GPP TS 32.111-series [5].
- Notification IRP, see 3GPP TS 32.30x [6].³
- File Transfer IRP (draft), see [7] (to be defined).

For an IRP Agent to be compliant to the PM IRP IS, it shall minimally include the following:

1. The support of all mandatory items defined in the PM IRP IS specification (e.g., mandatory operations defined within a mandatory interface, mandatory notifications defined within a mandatory interface).
2. An FTIRP [7] that shall have:
 - a. An FTP Server capability.
 - b. The capability to emit notifyFileReady and notifyFilePreparationError.
 - c. A listAvailableFiles operation.

Note: Bullet 2 will be replaced with "A compliant FT IRP" if the mandatory operations & notifications in FT IRP IS are finalised and identical to that defined above.

3. A compliant NotificationIRP [6].

4. [A compliant AlarmIRP \[5\] if the PM IRP Agent PMIRP supports the threshold monitoring capabilities.](#)

[It is noted that the NotificationIRP \[6\] may not be exclusively used by the PMIRP. It may be shared by other xxxIRP\(s\) such as BasicCMIRP in the sense that in a single subscribe operation, the IRPManager can subscribe for both PM and CM related notifications. Whether the NotificationIRP \[6\] is shared or not is a vendor-specific design choice.](#)

[It is noted that the AlarmIRP \[5\] may not be exclusively used by the PMIRP. Its AlarmList may contain non-PM related alarms, for example. Such usage of AlarmIRP \[5\] is a vendor-specific design choice.](#)

[It is also noted that the FTIRP \[7\] may or may not be exclusively used by the PMIRP.](#)

End of Change in Clause 6

Annex E (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Sep 2002	S_17	SP-020500	--	--	Submitted to TSG SA#17 for Information	1.0.0	
Jun 2003	S_20	SP-030294	--	--	Submitted to TSG SA#20 for Approval	2.0.0	6.0.0
Sep 2003	S_21	SP-030432	001	--	Expansion of the requirements for threshold alarms on bounded variables	6.0.0	6.1.0