
Source: SA5 (Telecom Management)
Title: Rel-6 CR 32.401 (Performance Management; Concept & Requirements)
: Add requirements for Measurement Job overload management
Document for: Decision
Agenda Item: 7.5.3

Doc-1st-	Spec	CR	Rev	Phase	Subject	Cat	Version	Doc-2nd-	WI
SP-030755	32.401	012	1	Rel-6	Add requirements for Measurement Job overload management	B	6.0.0	-	OAM-PM

CHANGE REQUEST

⌘ **32.401 CR 012** ⌘ rev **-1** ⌘ Current version: **5.2.6.** ⌘
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 Core Network

Title:	⌘ Add requirements for Measurement Job overload management		
Source:	⌘ SA5 (toche@nortelnetworks.com) / SA#22		
Work item code:	⌘ OAM-PM	Date:	⌘ 4015/4012/2003
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:	⌘ The introduction of Measurement Job management on ltf-N in Rel-6 may lead to more frequent overload situations at NE and/or EM level. Consequently, there is a need to enhance the overload management capabilities.
Summary of change:	⌘ Addition of the possibility for the system to suspend Measurement Jobs in case of overload.
Consequences if not approved:	⌘

Clauses affected:	⌘ 4.2.1, 5.4.3						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core 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="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘						

Change in Clause 4.2.1

4.2.1 Measurement job administration

Measurement jobs, i.e. the processes which are executed in the NEs in order to accumulate measurement result data and assemble it for collection and/or inspection, will need to be scheduled by the EM for the period or periods for which gathering of data shall be performed.

...

- 6) Suspend/resume a measurement job. The "suspend" action inhibits the collection of measurement result data by a measurement job, regardless of its schedule, without deleting it. The "resume" action will re-enable measurement result data collection according to the measurement job schedule. [It may also be possible for the system to suspend a measurement job without any operator's action in case of overload. It should then be possible, at any time, for the operator to resume a job suspended by the system.](#)

End of Change in Clause 4.2.1

Change in Clause 5.4.3

5.4.3 Measurement job administration

Measurement jobs can be administered by the EM according to the following stipulations.

...

Suspending/resuming a measurement job: On normal operation, the measurement job collects measurement data within the NE according to the actual values of the measurement job parameters. However, the system operator may decide for some reason to discard temporarily the collection of measurement data (e.g. in case of system overload or congestion, measurement results [temporarily](#) not used,...). The system operator therefore is able to suspend a defined measurement job at any time, ~~using the Administrative State~~. This implies that the measurement job definition remains in the system, but that no measurement gathering activities are performed for this job. When the measurement job is resumed, measurement data collection is started again at the next granularity period within the measurement schedule. [In addition to the suspend operation which may be triggered by the operator, the system may selectively suspend one or more measurement jobs in case of overload. When a measurement job is suspended, a "job suspended" notification shall then be generated so that the Network Manager\(s\) will be warned of such an event.](#)

End of Change in Clause 5.4.3 End of Document

Annex D (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
June 2001	S_12	SP-010237	--	--	Submitted to TSG SA #12 for Information.	--	1.0.0
June 2001	--	--	--	--	MCC editorials	1.0.0	1.0.1
Sep 2001	S_13	SP-010467	--	--	Submitted to TSG SA #13 for Approval	2.0.0	4.0.0
Dec 2001	S_14	SP-010638	001	--	Correction of declaration in XML header	4.0.0	4.1.0
Mar 2002	S_15	--	--	--	Automatic upgrade to Rel-5 (no Rel-5 CR)	4.1.0	5.0.0
Sep 2002	S_17	SP-020502	003	--	Description of Alarm IRP usage for performance alarms	5.0.0	5.1.0
Sep 2002	S_17	SP-020502	004	--	Addition of measurement file XML schema and miscellaneous alignments with CM	5.0.0	5.1.0
Jun 2003	S_20	SP-030291	006	--	Clarification of NE file generation behaviour in case of multiple granularity periods	5.1.0	5.2.0
Jun 2003	S_20	SP-030291	008	--	Correction of Measurement Result File Name Definition for alignment with Windows based systems	5.1.0	5.2.0
Sep 2003	S_21	SP-030430	009	--	Addition of "jobId" and "reportingPeriod" parameters in the file format definition	5.2.0	6.0.0
Sep 2003	S_21	SP-030430	010	--	Removal of measurement job state and status attributes	5.2.0	6.0.0
Sep 2003	S_21	SP-030430	011	--	Refinement of the conditions for setting "suspect flag"	5.2.0	6.0.0