Source:	**SA5 (Telecom Management)**
Title:	**WID WT Partial suspension of Itf-N during maintenance/testing**
Document for:	**Approval**
Agenda Item:	**7.5.3**

3GPP TSG-SA5 (Telecom Management)   **S5-050288**
Meeting #42, Montreal, CANADA, 09 - 13 May 2005

Work Item Description

Title: **Partial suspension of Itf-N during maintenance/testing**
Acronym: **OAM7-NIM**
Unique_ID: **35052**

1   3GPP Work Area

X	Radio Access
X	Core Network
	Services

2   Linked work items

OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM)

WI	Unique_ID
OAM7	35041

Network Infrastructure Management (BB: OAM-NIM)

WI	Unique_ID
OAM7-NIM	35042

WT Delta synchronization between IRP Manager and IRP Agent

WI	Unique_ID
OAM7-NIM	tbd

3   Justification

In certain scenarios floods of unwanted notifications including alarms will be sent to the IRP manager by network object instances. Thereby the interface and the management systems bear unnecessary load. Even worse: The operator's awareness is drawn away from really urgent events.

Example for such scenarios:
- A failed network element is replaced and tested after installation.
- The configuration of a network region is expanded by additional network elements and the new configuration is scrutinized by tests in the real network.
- The configuration of a network region is changed significantly and the new configuration is scrutinized by tests in the real network, e.g. NE re-homing.

In these scenarios it can also be important that no commands via the Itf-N interfere with actions from the local craft interface (e.g. people working close to antennas would like to have complete control when the radiation is switched on).

Conclusion: A mechanism allowing to suspend Itf-N (i.e. to send no notifications of the involved network elements and/or to disallow Itf-N management operations) for a period of time will be beneficial.

It should also be studied if/which notifications/operations should be exempted from the suspension.
Multi-manager issues need to be addressed. Interworking with data synchronisation mechanisms needs investigation.

4   Objective

a) Define requirements, considering multi-manager aspects and data synchronisation, for mechanisms suspending Itf-N notifications and/or operations for a scope of managed object instances
b) Define mechanisms to suspend Itf-N notifications and/or operations for a scope of managed object instances

5   Service Aspects
None
6   MMI-Aspects
None
7   Charging Aspects
None
8   Security Aspects
None
9   Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes			X	X	
No	X	X			X
Don't know					

10   Expected Output and Time scale (to be updated at each plenary)

The result of this work will be a usage guide (TR).
Information produced within this TR may eventually become consolidated into particular IRP specifications (TSs).

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR 32.8xy	Usage guide for partially suspending Itf-N	SA5		09/2005	12/2005	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
32.30n		Add capability for partially suspending Itf-N		12/2005	Impact on these TSs depends on SA5's chosen functionality and function split	
32.60n		Add capability for partially suspending Itf-N		12/2005	Impact on these TSs depends on SA5's chosen functionality and function split	
32.61n		Add capability for partially suspending Itf-N		12/2005	Impact on these TSs depends on SA5's chosen functionality and function split	
Note:	For n = 1 to 5					

11   Work item rapporteur(s)
Clemens SUERBAUM, Siemens (clemens.suerbaum@siemens.com)
12   Work item leadership
SA5
13   Supporting Companies
Siemens, Alcatel, Vodafone, CATT, Orange, CMCC
14   Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14a   The WI is a Feature: List of building blocks under this feature
(list of Work Items identified as building blocks)
14b   The WI is a Building Block: parent Feature

(one Work Item identified as a feature)
14c   The WI is a Work Task: parent Building Block
(one Work Item identified as a building block)

still to be defined:

Network Infrastructure Management (BB: OAM-NIM)

WI	Unique_ID
OAM-NIM	35042