Source:	**SA5 (Telecom Management)**
Title:	**WID WT Advanced Alarming on Itf-N**
Document for:	**Approval**
Agenda Item:	**7.5.3**

3GPP TSG-SA5 (Telecom Management)   **S5-050289**
Meeting #42, Montreal, CANADA, 09 - 13 May 2005

Work Item Description

Title: **Advanced Alarming on Itf-N**
Acronym: **OAM7-NIM**
Unique_ID: **35053**

1   3GPP Work Area

X	Radio Access
X	Core Network
	Services

2   Linked work items

still to be defined:

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

3   Justification

The current definitions of Information Object Classes (IOCs) and their notifications in case of alarms and changes related to them put a high burden on both, the IRP managers and IRP agents. In alarm situations the number of notifications to be sent across the Itf-N can be very high, but often the information/data contained in the notifications does not justify their transmission.
It is also possible that one error results in several alarm notifications and/or additional notifications indicating state or attribute value changes.

4   Objective

a) Define requirements and methods to improve the information content of alarms (e.g. to help identify the root cause of an alarm and the instances affected by it), thereby contributing to reduce the time-to-repair.
b) Define configurable rules for advanced alarm filtering and reducing the number of alarms by applying such advanced alarm filtering.
c) Define a sub-set of these requirements and methods which can be fulfilled also by low performance systems

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 on Advanced Alarming on Itf-N	SA5		09/2005	12/2005	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
32.111-n		Improving the alarm behaviour of Itf-N		12/2005	Impact on these TSs depends on SA5's chosen functionality and function split	
32.30n		Improving the Itf-N notification behaviour in alarm cases		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, Ericsson, Lucent, China Mobile, Huawei, Motorola
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