Technical Specification Group Services and System Aspects Meeting #28, Quebec, CANADA, 06-08 June 2005 **TSGS#28(05)0303**

Source: SA5 (Telecom Management)

Title: WID WT IRP usage scenarios

Document for: Approval

Agenda Item: 7.5.3

3GPP TSG-SA5 (Telecom Management) **S5-050281**
Meeting #42, Montreal, CANADA, 09 - 13 May 2005

Work Item Description

Title: IRP usage scenarios
Acronym: OAM7-NIM
Unique_ID: 35045

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

3 Justification

The OAM&P (Operations, Administration, Maintenance & Provisioning) aspects of mobile networks are satisfied via the Itf-N using capabilities exposed via standardised Integration Reference Points (IRPs).
The Itf-N becomes increasingly important as multi-vendor integration becomes a necessity.
The IRPs will benefit from the addition of usage scenarios to provide example usage, against example resource instances so that operational signatures can be shown with example populated values.
Several IRPs may need to be used in a co-ordinated way to solve some network tasks. For example:

- Network start-up and provisioning (application of bulk CM)
- Network recovery from failures
- Network extensions adding new NEs
- NE (e.g. Node B) re homing
- Usage of filters in the notification and alarm IRPs
- usage of scope and other subscription information
- Scenarios considering multiple manager scenarios.
- Detection and Recovering from missing notifications. (resulting in invalid state transitions)

Development of scenarios without this WID could be considered as being out of scope for IRP maintenance activities.

4 Objective

The objective of this WI is to make the IRPs more accessible to any person or organization needing to use the IRPs, and to hopefully reduce ambiguities, or interpretation of the specifications by re-enforcement with worked examples.
This WI will not directly document interpretations of the IRP specifications.
When ambiguities are detected in the IRP specifications, and have been agreed by this WI group, the problem and suggested resolutions should be sent to the relevant existing Work Tasks for discussion.
If agreement is found, the additional clarification text shall be included into the existing IRPs involved.

5 Service Aspects
None

6 MMI-Aspects
None

7 Charging Aspects
None

8 Security Aspects
Considerations may be needed for multi vendor operation.
Additionally MVNO operations may need to be considered.

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes			X	X	
No					
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).
The direct impact on other TSs will only occur if ambiguities or problems are identified.
There are numerous areas of interest. The groups first activity will be to jointly agree on which areas to approach first.

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
32.80x	Telecommunication management; Integration Reference Points (IRPs) usage scenarios	SA5		09/2005	12/2005	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11 Work item rapporteur(s)
John ISLIP, Lucent (islip@lucent.com)

12 Work item leadership
SA5

13 Supporting Companies
Lucent, China Mobile, Ericsson, Nortel, Siemens, Huawei, Motorola, CATT

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)

Network Infrastructure Management (BB: OAM-NIM)

WI	Unique_ID
OAM7-NIM	35042