Source:	**SA5 (Telecom Management)**
Title:	**Updated WID Rel-6 OAM-PM**
Document for:	**Approval**
Agenda Item:	**7.5.3**

3GPP TSG-SA5 (Telecom Management) Meeting #40, Sanya, CHINA, 15 - 19 November 2004   **S5-049047**

Work Item Description

Title: Rel6 - Performance Management

1   3GPP Work Area

X	Radio Access
X	Core Network
	Services

2   Linked work items

- Principles, High Level Requirements and Architecture (OAM-AR) – SA5 SWGA BB
- Network Infrastructure Management (OAM-NIM) – SA5 SWGC BB

3   Justification

During the lifetime of a UMTS network, its logical and physical configuration will undergo changes of varying degrees and frequencies in order to optimise the utilisation of the network resources. These changes will be executed through network configuration management activities and/or network engineering.

Many of the activities involved in the daily operation and future network planning of a UMTS network require data on which to base decisions. This data refers to the load carried by the network and the grade of service offered. In order to produce this data, Performance Measurements are executed in the NEs, which comprise the network. The data can then be transferred to an external system, e.g. an Operations System (OS), for further evaluation. It is necessary to describe the mechanisms involved in the collection of the data and the definition of the data itself.

This building block is aiming at adding new functionality as well as enhancing existing functionality, as specified in the list of "children" Work Tasks below.

4   Objective

The objective of this building block is to specify and maintain the following:

- PM IRP definitions
- Measurement job Administration functions
- Performance threshold Management functions
- PM File format enhancements
- Performance Measurement definitions

The contents will be aligned with the 3GPP SA5 management principles and architecture.

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			
Don't know					X

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

	New specifications					
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
32.411	Performance Management IRP, Requirements	SA5		09/2002	06/2003	TSG#20 completed
32.412	Performance Management IRP, Information Service	SA5		06/2003	12/2003	TSG#22 completed
32.413	Performance Mangement IRP, CORBA Solution Set	SA5		03/2004	03/2004	TSG#23 completed
32.414	Performance Management IRP, CMIP Solution Set	SA5		12/2004	12/2004	TSG#26 completed
32.432	Performance measurement file format definition	SA5		09/2004	12/2004	TSG#26 completed
32.435	Performance measurement XML file format definition	SA5		09/2004	12/2004	TSG#26 completed
32.436	Performance measurement ASN.1 file format definition	SA5		09/2004	12/2004	TSG#26 completed

	Affected existing specifications			
Spec No.	CR	Subject	Approved at plenary#	Comments
32.401		PM Principles and High-level Requirements	12/2004	TSG#26 completed
52.402		Performance Measurements, GSM	09/2004	TSG#25 completed
32.403		Performance Measurements, UMTS and combined UMTS/GSM	12/2004	TSG#26 completed

11 Work item rapporteur
Christian Toche (Nortel Networks); toche@NORTELNETWORKS.COM
12 Work item leadership
SA5
13 Supporting Companies
China Mobile, Ericsson, Motorola, Nokia, Nortel Networks, Orange
14 Classification of the WI (if known)

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

14b   The WI is a **Building Block** parent **Feature**:
 • OAM (SA5)

15 Work Tasks under this Building Block

SA5 approved WIDs for the following WTs can be found at: ftp://ftp.3gpp.org/tsg_sa/WG5_TM/Work_Item_sheets/

Building Block	Work Task	Description	Affected TS (prel.)	Reference
Rel-6 OAM-PM	WT1 - PM IRP Requirements Specification	Specification of the requirements for PM IRP as a base for the specification of corresponding PM IRP Information Service and Solution Set(s).	32.411	S5-028327
	WT2 - PM IRP Information Service and Solution Set specification	Specification of PM IRP Information Service and Solution Set(s).	32.41x	S5-028332
	WT4 - PM File Format enhancements	Enhancements of the PM file format definitions.	32.401	S5-028xxx
	WT5 - Measurement job Administration functions	Specification of concepts and functions for control and scheduling of performance measurements jobs.	32.401, 32.41x	S5-028xxx
	WT6 - Performance Threshold Management functions	Specification of concepts and functions for Performance Thresholds (related to Performance Alarms)	32.401, 32.41x	S5-028xxx
	WT7 - Performance Measurement definitions	Additions to the standard measurement set for UMTS.	32.403 32.43x	S5-028xxx

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3GPP TSG-SA5 (Telecom Management) Meeting #40, Sanya,   **S5-049047**
CHINA, 15 - 19 November 2004
~~**3GPP TSG-SA5 (Telecom Management)S5-028331**~~
~~**Meeting #30, Tampere, FINLAND, 19 – 23 August 2002**~~

Work Item Description

Title: **Rel6 - Performance Management**

1   **3GPP Work Area**

X	Radio Access
X	Core Network
	Services

2   **Linked work items**
- ~~Rel-6~~ Principles, High Level Requirements and Architecture (OAM-AR) – ~~Building Block led by SA5 SWG A~~SA5 SWGA BB

- ~~Rel-6~~ Network Infrastructure Management (OAM-NIM) – ~~Building Block led by SA5 SWG C~~SA5 SWGC BB

3   **Justification**
During the lifetime of a UMTS network, its logical and physical configuration will undergo changes of varying degrees and frequencies in order to optimise the utilisation of the network resources. These changes will be executed through network configuration management activities and/or network engineering.
Many of the activities involved in the daily operation and future network planning of a UMTS network require data on which to base decisions. This data refers to the load carried by the network and the grade of service offered. In order to produce this data, Performance Measurements are executed in the NEs, which comprise the network. The data can then be transferred to an external system, e.g. an Operations System (OS), for further evaluation. It is necessary to describe the mechanisms involved in the collection of the data and the definition of the data itself.
This building block is aiming at adding new functionality as well as enhancing existing functionality, as specified in the list of "children" Work Tasks below.

4   **Objective**
The objective of this building block is to specify and maintain the following:
- PM IRP definitions

~~-CMCC PM and SA5 PM Specification Sets alignment~~

- Measurement job Administration functions

- Performance threshold Management functions

- PM File format enhancements

- Performance Measurement definitions

The contents will be aligned with the 3GPP SA5 management principles and architecture.

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			
Don't know					X

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

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
32.411	Performance Management IRP, Requirements	SA5		09/2002~~TSG#17(09/02)~~	06/2003~~TSG#18 (12/02)~~	TSG#20 completed
32.412	Performance Management IRP, Information Service	SA5		06/2003~~TSG#19 (03/03)~~	12/2003~~TSG#20 (06/03)~~	TSG#22 completed
32.413	Performance Mangement IRP, CORBA Solution Set	SA5		03/2004~~TSG#19 (03/03)~~	03/2004~~TSG#20 (06/03)~~	TSG#23 completed
32.414	Performance Management IRP, CMIP Solution Set	SA5		12/2004	12/2004	TSG#26 completed
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32.435	Performance measurement XML file format definition	SA5		09/2004	12/2004	TSG#26 completed
32.436	Performance measurement ASN.1 file format definition	SA5		09/2004	12/2004	TSG#26 completed
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
32.401		PM Principles and High-level Requirements		12/2004~~TSG#20 (06/03)09/2003~~		TSG#26 completed~~TSG#21 completed~~
52.402		Performance Measurements, GSM		09/2004~~09/200TSG#20 (06/034)~~		~~TSG#25 completed~~TSG#25 completed
32.403		Performance Measurements, UMTS and combined UMTS/GSM		12/2004~~06/2003TSG#20 (06/03)~~		~~TSG#20 completed~~TSG#26 completed

11   Work item rapporteur

Christian Toche (Nortel Networks); toche@NORTELNETWORKS.COM

12   **Work item leadership**
SA5

13   **Supporting Companies**
~~CMCC~~China Mobile, Ericsson, Motorola, Nokia, Nortel Networks, Orange~~, WatchMark, ZTE~~

14   **Classification of the WI (if known)**

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

14b   The WI is a **Building Block** parent **Feature**:
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	WT2 - PM IRP Information Service and Solution Set specification	Specification of PM IRP Information Service and Solution Set(s). ~~Joint activity with SA5 SWG-C.~~	32.41x	S5-028332
	~~WT3 - Alignment of CMCC PM and 3GPP SA5 PM specification sets~~	~~Analysis of possibilities to align the CMCC PM Specification Sets and 3GPP SA5 PM Specification Sets.~~	~~32.40x, 32.41x~~	~~S5-028326~~
	WT4 - PM File Format enhancements	Enhancements of the PM file format definitions.	32.401	S5-028xxx
	WT5 - Measurement job Administration functions	Specification of concepts and functions for control and scheduling of performance measurements jobs.	32.401, 32.41x	S5-028xxx
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