Technical Specification Group Services and System Aspects **TSGS#17(02)0499**

Meeting #17, Biarritz, France, 9-12 September 2002

Source:	**SA5 (Telecom Management)**
Title:	**Rel-6 OAM-PM Building Block-level WID (Performance Management; 32401, 32403, 32411, 32412, 32413)**
Document for:	**Approval**
Agenda Item:	**7.5.3**

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

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

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

-   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:	U CC apps	ME	AI	CI	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		TSG#17(09/02)	TSG#18 (12/02)	
32.412	Performance Management IRP, Information Service	SA5		TSG#19 (03/03)	TSG#20 (06/03)	
32.413	Performance Mangement IRP, CORBA Solution Set	SA5		TSG#19 (03/03)	TSG#20 (06/03)	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
32.401		PM Principles and High-level Requirements	TSG#20 (06/03)	
52.402		Performance Measurements, GSM	TSG#20 (06/03)	
32.403		Performance Measurements, UMTS and combined UMTS/GSM	TSG#20 (06/03)	

11   Work item rapporteur

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

12   **Work item leadership**

         SA5

13   **Supporting Companies**

         CMCC, 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**:

         ??   OAM (SA5)

15   Work Tasks under this Building Block

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). **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
	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	S5-028xxx