

**Source:** TSG-SA WG5  
**Title:** A new work item proposal for 3G system performance management  
**Document for:** For discussion and decision  
**Agenda Item:** 5.5.2

## 1. Introduction

A variety of components will make up an operator's actual 3G network. Since it is an explicit goal of the standardisation effort within 3GPP to allow mix and match of equipment from different vendors, it is expected that many networks will indeed be composed of multiple vendors' products with different implementation. For an operator to be able to properly manage such a diverse network, in order to provide the quality of service expected by his customers, it is essential to standardise the performance management for 3G systems at least to an extent that the operation of the multi-vendor network will be possible effectively and efficiently. Therefore, TSG-SA WG5 proposes a new work item for standardising the performance management of 3G systems as described below. Within the scope of this work item, a distinction has to be made between those aspects of the configuration management targeting single network elements (NE management level) and those that are also, or exclusively, relevant for some part or all of the network (Network Management level).

## 2. Work Package Description

The new work item is proposed as described below:

- **Work item title**

Performance management of 3G systems

- **Intended output**

Technical Specification (TS) 32.104: 3G Performance management

- **Impact on other Technical Specification and Technical Report**

None is foreseen.

- **Technical scope**

A new technical specification is generated based on the available technical specification GSM TS 12.04 to address new 3G performance management needs covering the following management functions:

- A set of measurements for all NE types at the level of 3G user protocols or 3G specific issues. Generic or external topics, such as ATM or IP measurements, are beyond the scope of this work. \*
- A common measurement concept, including a method how to administer these measurements in the NEs.
- A common interface to retrieve measurement result files from the network, once the results have been produced. This shall include the ability for the management system(s) to choose the time of transfer of the files (e.g. immediately or deferred), and to determine the contents of the result files. \*

- **Impact on other 3GPP Work Items**

None is foreseen.

- **Schedule of tasks to be performed**

The work item will produce a first approved draft by the end of Q4, 1999.

- **Supporting Individual Members**

T-Mobil, Nokia, Italtel, Lucent

- **Identity of the Work Item Rapporteurs**

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