

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

## 1. Introduction

TSG SA WG5 proposes a new Work Item under which the specification of charging management aspects of the 3G system will be undertaken. The creation of this Work Item is consistent with the advice of SA1 expressed in its LS (TDoc S1-99386) to SA5, entitled 'Answer to LS TSGS5#2(99)051.' A relevant extract of the above-mentioned liaison statement from SA WG1 reads as follows:

Since UMTS 22.115 specification essentially defines the high level framework for UMTS charging and billing, we believe that S5 (responsible for UMTS telecom management aspects), should have the main responsibility on the stage 2 description of UMTS charging and accounting.

This would be in line with the established procedure adopted within SMG, where SMG1 defines the high level charging requirements for each GSM services, and SMG6 develops the stage 2 definitions.

## 2. Work Package Description

The new work item is proposed as described below:

- **Work item title**

3G charging and accounting management

- **Intended output**

Technical Specification (TS) 32.105: 3G Charging and Accounting (Stage 2)

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

Extension and/or modification of TAP3 (MoU Permanent Reference Document TD.57, maintained by the GSM Association) to accommodate the newly defined call and event data

- **Technical scope**

A new technical specification will be generated, based on the available technical specifications 3GPP TS 22.115, GSM TS 12.05 and 12.15, to address new 3G charging and accounting management needs covering the following tasks:

1. Layout and formats of raw call and event data for the 3G switching nodes (circuit and packet switched);
2. Data generation dependent on call states and TS 22.115 service requirements;
3. Formal description of the call and event data records in ASN.1 and definition of a file transfer mechanism (FTP).

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

None is foreseen.

- **Schedule of tasks to be performed**

The work item should produce a first approved draft by the end of Q1, 2000.

- **Supporting Individual Members**

T-Mobil, Siemens, Omnipoint, Telia, Vodafone

- **the identity of the Work Item Rapporteurs**

(TBD)