Technical Specification Group Services and System Aspects
Meeting #8, Düsseldorf, Germany, 26-28 June 2000

TSGS#8(00)0231

Source: **SA5 (Telecom Management)**

Title: **32.104 CR, "Measurement definition template" (S5-000313)**

Document for: **Approval**

Agenda Item: **6.5.3**

Spec	CR	Phas	Subject	Ca	Versi	Versi	Doc-2nd-
32.104	003	R99	Measurement definition template	C	3.1.1	3.2.0	S5-000313

3GPP TSG SA5 Meeting #12
Rome, Italy, 05-09 June 2000

Document **SA5#12(00)0313**
e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

32.104	**CR**	**003**	Current Version:	3.1.1

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to: SA#8 *list expected approval meeting # here ↑*

for approval [X] for information [ ]

strategic [ ] non-strategic [ ] *(for SMG use only)*

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

Proposed change affects: *(at least one should be marked with an X)* (U)SIM [ ] ME [ ] UTRAN / Radio [X] Core Network [X]

Source: SA5#12 **Date:** 9 June 2000

Subject: Measurement definition template

Work item: Performance Management

Category: *(only one category shall be marked with an X)*

F	Correction	[ ]	**Release:** Phase 2	[ ]
A	Corresponds to a correction in an earlier release	[ ]	Release 96	[ ]
B	Addition of feature	[ ]	Release 97	[ ]
C	Functional modification of feature	[X]	Release 98	[ ]
D	Editorial modification	[ ]	Release 99	[X]
			Release 00	[ ]

Reason for change: The current measurement definition template in TS 32.104 contains only those parameters that could be re-used from GSM 12.04. However, more parameters are necessary for the definition of measurement types in 3G, e.g. to align the template with the new measurement file format. This CR adds the necessary parameters to those that already exist in the TS.

Clauses affected: Annex C

Other specs affected:

Other 3G core specifications	[ ]	→ List of CRs:
Other GSM core specifications	[ ]	→ List of CRs:
MS test specifications	[ ]	→ List of CRs:
BSS test specifications	[ ]	→ List of CRs:
O&M specifications	[ ]	→ List of CRs:

Other comments: A small number of editorial amendments are also proposed with this CR.

<--------- double-click here for help and instructions on how to create a CR.

Annex C (normative):
Performance Measurement Requirements Summary

The present document shall be valid for all measurement types provided by an implementation of a 3G network. These may be measurement types defined within this annex, measurements defined within other standards bodies, or vendor specific measurement types.

Only measurement types that are specific to 3G networks are defined within this annex, i.e. vendor specific measurement types and measurements related to "external" technologies used in 3G networks, such as ATM or IP, will not be covered. Instead, these shall be applied as described by the other, "external" standards bodies (e.g. ITU-T or IETF) or according to the manufacturer documentation.

Following is the template used to describe the measurements contained in this annex.

C.x.y. Measurement Name (section header)

This is a descriptive name of the measurement type that is specified as section C.x.y of the TS.

a) **Description**

An ~~short~~ explanation of the measurement operation.

b) **Collection Method**

The form in which this measurement data is obtained:

- CC (Cumulative Counter);
- GAUGE (dynamic variable), used when data being measured can vary up or down during the period of measurement;
- DER (Discrete Event Registration), when data related to a particular event are captured every nth event is registered, where n can be 1 or larger;
- SI (Status Inspection).

c) **Condition**

The condition which causes this measurement data to be updated. Where it is not possible to give a precise condition, then the conditional circumstances leading to the update is stated.

d) **Measurement Result** (measured value(s), Units)

A ~~short~~ description of expected result value(s) (e.g. A single integer value).

e) Measurement Type

A short form of the measurement name specified in the header, which is used to identify the measurement type in the result files.

f) Measurement Object Instance

The “measObjInstId” field identifies the measured object class and its instance, e.g. trunk1 means object class is trunk and instance #1 is being measured.

g) Switching Technology

The Switching ~~product~~ domain this ~~M~~measurement is applicable to. ~~-~~ i.e. Circuit Switched and / or Packet Switched. ~~(GPRS). When packet switching (GPRS) is identified for an MSC measurement function, this measurement type is related to a combined circuit/packet switched event.~~