

Source: SA5 (Telecom Management)
Title: WID Rel-7 OAM-Trace
Document for: Approval
Agenda Item: 7.5.3

3GPP TSG-SA5 (Telecom Management)
Meeting #41, Lisbon, PORTUGAL, 24 - 28 January 2005

S5-058173

Work Item Description

Title: Trace Management

Acronym: OAM-Trace

Unique_ID: 35015

1 3GPP Work Area

X	Radio Access
X	Core Network
X	Services

2 Linked work items

Feature:

Operations, Administration, Maintenance & Provisioning - Acronym: OAM

Work Task:

The CN WID "Trace Management, stage3, IMS" (NP-040621) - Acronym: OAM-Trace-SIP, contains the CN Work Tasks.

3 Justification

Subscriber and Equipment Trace provide very detailed information at call level on one or more specific mobile(s).

This data is an additional source of information to Performance Measurements and allows going further in monitoring and optimisation operations.

Contrary to Performance Measurements, which are a permanent source of information, Trace is activated on user demand for a limited period of time for specific analysis purposes.

Trace plays a major role in activities such as determination of the root cause of a malfunctioning mobile, advanced troubleshooting, optimisation of resource usage and quality, RF coverage control and capacity improvement, dropped call analysis, Core Network and UTRAN end-to-end 3G procedure validation.

4 Objective

The general objective of this work item is to produce the specifications for Subscriber and Equipment Trace in 3GPP Release 7 according to the responsibilities of SA5 pertaining to high-level concepts and requirements of trace, to Subscriber and UE activity trace data definition and management, to trace data collection control and configuration management, and to bulk interfaces for trace data transfer from the network to the network manager.

In particular, the objective of this work item is to add Trace for IMS.

5 Service Aspects

- 6 *None*
MMI-Aspects
- 7 *None*
Charging Aspects
- 8 *None*
Security Aspects
- 9 *None*

9 **Impacts**

Affects:	UICC apps	ME	AN	CN	Others
Yes			X	X	
No	X	X			X
Don't know					

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

New specifications						
Spec	Title	Prime WG	2ndary WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec	CR	Subject	Approved at plenary#	Comments		
32.421			12/2005	Trace Concepts and Requirements		
32.422			12/2005	Trace Control and Configuration Management		
32.423			12/2005	Trace Data Definition and Management		

11 **Work item rapporteur(s)**
Christian Toche [toche@nortel.com]

12 **Work item leadership**
SA5 (having primary responsibility)

CN1, CN4, RAN3 (having secondary responsibility) on trace activation/deactivation

13 **Supporting Companies**
Nortel, Nokia, Orange, Vodafone,

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

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

14a The WI is a Feature: List of building blocks under this feature
(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature
OAM&P (Acronym: OAM)

14c The WI is a Work Task: parent Building Block
(one Work Item identified as a building block)

form change history:
v1.11.0: includes those changes from v1.8.0 agreed at SP-25.
v1.10.0: full circle
v1.9.0: a clean sheet
v1.8.0: includes comments from SA#24
v1.7.0: includes comments from RAN, CN and T #24; also includes "early implementation" data
v1.6.0: includes comments made during review period prior to TSGs#24
v1.5.0: includes comments made at TSGs#23 (Phoenix)
v1.4.0: offered to SA#23 for approval
v1.3.0: offered to CN#23, RAN#23 and T#23 for comments
DRAFT4 v1.3.0: 2004-03-09: Incorporation of comments from Leaders list
DRAFT3 v1.3.0: 2004-02-19: Incorporation of comments from MCC members
DRAFT2 v1.3.0: 2004-01-29: Complete redraft:
v1.2.0: 2002-07-04: "USIM" box changed to "UICC apps"
2003-05-28: spelling of "rapporteur" corrected
2002-07-04: "USIM" box changed to "UICC apps"