

Source: SA5 (Telecom Management)
Title: WID update BB Trace Management
Document for: Approval
Agenda Item: 7.5.3

3GPP TSG-SA5 (Telecom Management)
Meeting #42, Montreal, CANADA, 09 - 13 May 2005

S5-050298

~~Technical Specification Group Services and System Aspects~~ ~~Meeting #27, Tokyo, JAPAN, 14 - 17 March 2005~~ ~~————~~ ~~**TSGS#27(05)0042**~~

~~**Source: SA5 (Telecom Management)**~~
~~**Title: WID Rel-7 OAM-Trace**~~
~~**Document for: Approval**~~
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~~**3GPP TSG-SA5 (Telecom Management)**~~ ~~————~~ ~~**S5-058173**~~
~~**Meeting #41, Lisbon, PORTUGAL, 24 - 28 January 2005**~~

Work Item Description

Title: Trace Management
Acronym: OAM7-Trace
Unique_ID: 3501535039

1 3GPP Work Area

X	Radio Access
X	Core Network
X	Services

2 Linked work items

still to be defined:

OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM)

WI	Unique_ID
<u>OAM7</u>	<u>35041</u>

Feature:

•(35041) ——— OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: 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:

- a) to add Trace for IMS ([Christian Toche \[toche@nortel.com\]](mailto:toche@nortel.com) Nortel, Nokia, Orange, Vodafone).
- b) to add Trace record content for UTRAN TDD (Wang Xuelong, CATT, wangxuelong@datangmobile.cn).

5 Service Aspects

None

6 MMI-Aspects

None

7 Charging Aspects

None

8 Security Aspects

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, [CATT](#).

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**
(one Work Item identified as a feature)

still to be defined:

OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM)

WI	Unique ID
OAM7	35041

~~*(35041) OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: 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"~~

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Unique_ID: 35039

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X	Core Network
X	Services

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No	X	X			X
Don't know					

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OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM)

WI	Unique_ID
OAM7	35041

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