

**3GPP TSG-CN1 Meeting #36
Seoul, Korea, 15-19 November 2004**

Tdoc NP-040496

Source: CN1
Title: WID on Trace Management, stage 3
Agenda item: 10.1
Document for: APPROVAL

**3GPP TSG-CN1 Meeting #36
Seoul, Korea, 15-19 November 2004**

Tdoc N1-042124

Source: Nokia
Title: Trace Management, stage3, IMS
Agenda item: 8.3
Document for: APPROVAL

Work Item Description

Title

Trace Management, stage3, IMS

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

- Unique_ID 35015: Rel6 - Trace Management by SA5

3 Justification

Subscriber and Equipment Trace provide very detailed information at call level on one or more specific mobile(s) or subscribers. This data is an additional source of information to Performance Measurements and allows going further in monitoring and optimisation operations.

The following tasks for CN groups are defined in SA5 "Rel6 - Trace Management" Work Item Description:

- CN1 on trace activation/deactivation over SIP between IMS entities;
- CN4 on trace activation/deactivation over Cx;

4 Objective

The main objective of this work item is to update the above mentioned interface protocols to include the Trace activation and deactivation procedures defined in SA5 TS 32.422 “Trace Control and Configuration Management”. Protocol updates are needed for both signalling based and management based trace activation.

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	
No	X	X	X		
Don't know					X

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

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
24.229		IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP)		CN#28 June 2005	CN 1: CN1 does not see any way to complete the 24.229 task for trace without IETF dependency, For this reason, it is likely to delay the completion of the WI.	
29.228		IP Multimedia (IM) Subsystem Cx and Dx interfaces; Signalling flows and message contents		CN#28 June 2005	CN4	

11 Work item rapporteur(s)

Seppo Kauntola, Nokia Corporation
seppo.kauntola@nokia.com

12 **Work item leadership**
CN1

13 **Supporting Companies**

Nokia, Nortel Networks, Orange

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

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

14c The WI is a Work Task: parent Building Block

Unique_ID 35015: Rel6 - Trace Management by SA5

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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The following tasks for CN groups are defined in SA5 “Rel6 - Trace Management” Work Item Description:

- CN1 on trace activation/deactivation over SIP between IMS entities;
~~—CN4 on trace activation/deactivation over Me;~~
- CN4 on trace activation/deactivation over Cx;
~~—CN4 on trace activation/deactivation impacts to MAP;~~
~~—CN4 on trace activation/deactivation impacts to GTP (SGSN—GGSN).~~

4 Objective

The main objective of this work item is to update the above mentioned interface protocols to include the Trace activation and deactivation procedures defined in SA5 TS 32.422 “Trace Control and Configuration Management”. [Protocol updates are needed for both signalling based and management based trace activation.](#)

Note: The objective of this CN work item will be further clarified and confirmed when the stage2 specification 32.422 is approved by SA plenary.

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	
No	X	X	X		
Don't know					X

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

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29.002		Mobile Application Part (MAP) specification		CN#26 December 2004	CN4	
29.060		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface		CN#26 December 2004	CN4	
29.228		IP Multimedia (IM) Subsystem Cx and Dx interfaces; Signalling flows and message contents		CN#28 June 2005 CN#26 December 2004	CN4	
29.232		Media Gateway Controller (MGC) – Media Gateway (MGW) interface		CN#26 December 2004	CN4	
23.205		Bearer-independent circuit-switched core network; Stage 2		CN#26 December 2004	CN4	

11 Work item rapporteur(s)

Seppo Kauntola, Nokia Corporation
seppo.kauntola@nokia.com

12 **Work item leadership**

~~CN4~~[CN1](#)

13 **Supporting Companies**

Nokia, ~~Lucent Technologies~~, Nortel Networks, Orange

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