

**3GPP TSG-RAN WG3 Meeting #30**  
**Sophia Antipolis, France, 24<sup>th</sup>-28<sup>th</sup> June 2002**

***Tdoc R3-021814***

**Title:** Reply LS on Subscriber and Equipment Trace Impacts  
**Response to:** LS (R3-021712\_S5-028140) with title "LS on Subscriber and Equipment Trace Impacts" from SA5  
**Release:** Release 6  
**Work Item:** Trace Management

**Source:** TSG RAN WG3  
**To:** 3GPP SA5 SWGD  
**Cc:** SA, CN1, CN4, GERAN and RAN2

**Contact Person:**  
**Name:** Olivier Guyot  
**Tel. Number:** +358 50 48 37 624  
**E-mail Address:** [Olivier.Guyot@nokia.com](mailto:Olivier.Guyot@nokia.com)

**Attachments:** -

---

**1. Overall Description:**

RAN WG3 would like to thank SA5 SWGD for their LS (R3-021712\_S5-028140) and would like to provide the following answers:

**1<sup>st</sup> question: Would RAN3 agree on specifying any needed enhancements in co-operation with SA5 SWGD within Release 6 timeframe?**

RAN WG3 is willing to specify any needed enhancements in co-operation with SA5 SWGD as soon as detailed requirements will be made available from SA5 SWGD. Indeed RAN WG3 needs much more detailed requirements to start any study or work about Trace in UTRAN.

Furthermore RAN WG3 would like to have a more precise description of the following UTRAN related enhancement that has been identified for Trace in SA5 SWGD LS:

- RAN3 for trace activation/deactivation in RNS (meaning enhancements on the signalling protocols between RNS and CN and availability of IMSI/IMEI).

The current situation in RAN WG3 from R99 onwards is that Trace activation/deactivation in the radio network is only based on signalling-based activation/deactivation from the core network towards the radio network. This comes from GSM 12.08.

For example RAN WG3 would be glad to see the following extracts of the draft TS 32.421 (sections 4.1, 4.2 and 4.3) clarified into detailed requirements:

- Requirements for trace activation/deactivation in UTRAN in case of simultaneous CS/PS connections is FFS
- The Network Elements and the traceable interfaces in the NEs where tracing is needed: RNS and lu, lur, lub, Uu interfaces.
- IMSI or Public ID and IMEI must be known in the RNS where subscriber/equipment trace is needed or has to be deactivated.

**2<sup>nd</sup> question: The attached draft TS 32.421 "Trace Concepts and Requirements" contains high-level requirements for trace. When would RAN3 need the detailed requirements for the enhancements from SA5 SWGD to be able to meet the Release 6 timeframe?**

RAN WG3 cannot assess any deadline to meet the release 6 timeframe without detailed requirements since requirements are needed to evaluate how long could take specification of such enhancements. That's why RAN WG3 would like to be informed as soon as possible about more detailed requirements and descriptions of requested enhancements in UTRAN.

**3<sup>rd</sup> question: If enhancements would be done in RAN3, would RAN3 kindly provide identification of the related work item(s) to SA5 SWGD?**

RAN WG3 does not currently have any ongoing or closed WI related to Trace in UTRAN. RAN WG3 will initiate work, new TR and WI if RAN WG3 sees the need based on clear detailed requirements from SA5 SWGD. The kick off of work on trace enhancement could be contribution driven in RAN3 as well.

**2. Actions:**

**To SA5 SWGD.**

**ACTION:** RAN WG3 kindly asks SA5 SWGD to clarify the foreseen trace enhancements into detailed requirements for UTRAN.

**3. Date of Next TSG-RAN3 and other relevant Meetings:**

TSG RAN WG3 #31	19-23.08 2002 (Stockholm, Sweden)
TSG RAN #17	3-6.09 2002 (Biarritz, France)
TSG RAN WG3 #32	23-27.09 2002 (Xian, China)
TSG RAN WG3 #33	11-15.11 2002 (Sofia Antipolis, France)
TSG RAN #18	3-6.12 2002 (New Orleans, USA)