3GPP TSG SA WG3 Security — S3#32   **S3-040106**
09 - 13 February 2004
Edinburgh, Scotland, UK

Title:	**Lucent Input for Information: Draft LS from RAN WG2 on Optimisation of Voice over IMS**
Source:	**Lucent Technologies**
Document for:	**Information**
Agenda Item:	**6.1**

TSG-RAN Working Group 2 meeting #40   **R2-040327**
Sophia Antipolis, France, 12ᵗʰ –16ᵗʰ January, 2004

Title:	**[DRAFT]** LS on Optimisation of Voice over IMS
Response to:	LS (S2-033244) on Optimisation of Voice over IMS
Release:	Release 6
Source:	3
To:	SA2, SA4
Cc:	CN1, RAN3

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Attachments: None

1. Overall Description:

RAN2 would like to thank SA2 for their LS on S2-033244. RAN2 have been studying optimisation of the radio bearer to support voice services over IMS and require clarification on the following questions:

- **QoS Attributes**
  - Can the RNC rely on the SSD field (indicating 'Speech') within the RAB parameter provided over RANAP for getting an indication from the SGSN that the requested RAB is intended to carry speech packets ?
  - What will be the maximum bit rate and the guaranteed bit rate requested by the UE for a voice call with AMR 12.2 Kbps over IMS ?
- **IPSec**
  - Is IPSec applied on the IP packets carrying RTP/RTCP for voice over IMS?

- **Differentiation of RTP and RTCP Packets**
  - Is it possible to differentiate RTP and RTCP packets by their size over the Iu interface ?
  - Is there any mechanism other than UDP port number, that can be used to identify RTP and RTCP packets ?
- **Multiplexing**
  - Is it acceptable to separate RTP and RTCP packets on different RABs
  - Is there a benefit to have RTP and RTCP packets on the same RAB and do the split in the UTRAN.

2. Actions:

To SA2/SA4.

  RAN2 kindly asks SA2/SA4 to clarify the above questions.

3. Date of Next TSG-RAN 2 Meetings:

TSG RAN2 Meeting #41	16 – 20 February 2004, Malaga, Spain
TSG RAN2 Meeting #42	10 – 14 May 2004, TBD, USA