

25 - 28 February 2002

Bristol, UK

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3GPP TSG CN WG4 Meeting #12  
Sophia Antipolis, FRANCE, 28<sup>th</sup> Jan. – 1<sup>st</sup> Feb. 2002

N4-020268

**Title:** Liaison Statement on AMR-WB and Lawful Interception  
**Source:** CN4  
**To:** SA3 (for the attention of LI subgroup)  
**Cc:** SA4

**Contact Person:**

**Name:** Seppo Kauntola  
**Tel. Number:** +358 40 556 9959  
**E-mail Address:** [seppo.kauntola@nokia.com](mailto:seppo.kauntola@nokia.com)

**Attachments:** None

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**1. Overall Description:**

CN4 and CN plenary have approved a work item on Introduction of AMR-WB speech service in 3GPP Standards Release 5. CN4 is now completing this work item. To clarify the effects of AMR-WB to Lawful Interception the following information is brought to SA3 LI group:

In Circuit Switched voice calls for the Lawful interception user plane connection the MGW decodes the encoded speech in both TFO and TrFO case to G.711 PCM speech, and this is also done for WB speech by the MGW. The MGW just needs one new decoder.

In 3GPP TS 23.153 it is stated:

"4.3 Lawful interception

The TrFO shall be maintained if the interception is made due to the lawful interception. Two decoders are needed to monitor the TrFO call.

Lawful interception shall not have any influence on the establishment or maintenance of the TrFO connection in order to avoid any audible effect in speech quality or noticeable effect in speech delay to the end users."

The addition of one new codec does not affect the functionality of Lawful Interception.

In case SA3 LI group sees a demand to intercept wideband speech not decoded to narrowband G.711, but with full frequency (7kHz) wideband speech, CN4 would need to study possible solutions. One possible solution would be to use the TFO mechanisms defined in 3GPP TS 28.062 from MGW to Lawful Interception user plane connection. This would then require LEA side to have equipment to handle TFO synchronisation and signalling and then the decoder to decode TFO stream.

**2. Actions:**

None.

**3. Date of Next CN4 Meetings:**

CN4#13

8th – 12th April 2002

Florida, USA