

**TSG-RAN Working Group 1 meeting No. 20**  
**May 21- 25, Busan, Korea**

***TSGR1-01-0440***

3GPP TSG-SA4  
February 26 – March 2, 2001, Sophia Antipolis, France

Tdoc S4-010243

**Source:** TSG-SA WG4  
**To:** TSG-CN WG4, TSG-RAN WG2, TSG-T, TSG-GERAN, TSG-RAN WG1  
**CC:** TSG-CN WG1  
**Title:** LS Reply on Codec Type UMTS\_AMR\_2  
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TSG-SA WG4 (S4) would like to thank TSG-CN WG4 (SA4) for their LS (N4-010283 / S4-010173) on default configurations for handover from GSM to UMTS and for their support of the UMTS\_AMR\_2.

The preferred solution could be to modify the definition for UMTS\_AMR to match exactly UMTS\_AMR\_2 characteristics. But it is understood that this is too late now: there are R99 UMTS\_only terminals with UMTS\_AMR.

Therefore it seems most appropriate to introduce an additional Codec Type UMTS\_AMR\_2 in 3G TS 26.103 and 3G TS 28.062.

Since both Codec Types are almost identical it is proposed that only one of both is included by the core network in the Codec Lists, to avoid duplication of configuration parameters. The UMTS\_AMR\_2 shall be the preferred one and UMTS\_AMR shall be selected only if UMTS\_AMR\_2 is not available (i.e. R99 UMTS\_only terminals).

UMTS\_AMR\_2 shall be a mandatory Codec Type in all UEs from REL 4 onwards.

It may be worth mentioning that UMTS\_AMR\_2 is TFO/TrFO compatible to all AMR Codec Types: FR\_AMR, HR\_AMR, UMTS\_AMR and UMTS\_AMR\_2.