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Stockholm, Sweden, 13 - 15 June, 2001

Tdoc TP-010092

3GPP TSG-SA4

Tdoc S4-010243

February 26 – March 2, 2001, Sophia Antipolis, France

Source:	**TSG-SA WG4**
To:	**TSG-CN WG4, TSG-RAN WG2, TSG-T, TSG-GERAN, TSG-RAN WG1**
CC:	**TSG-CN WG1**
Title:	**Reply on** Codec Type UMTS_AMR_2
Contact:	Ericsson (Karl.Hellwig@eed.Ericsson.se)

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.

N4-010283.zip

3GPP TSG-CN4   **Tdoc N4-010283**
CN4 Ad Hoc Meeting , Madrid, SPAIN
13th Ferbuary – 15th February 2001

Source:	**TSG-CN WG4**
To:	**TSG-SA WG4, TSG-RAN WG2, TSG-T, TSG-GERAN, TSG-RAN WG1**
CC:	**TSG-CN WG1**
Title:	**LS for** "Reply on Default Configurations for Handover"
Contact:	Tellabs (Prem.Tirilok@tellabs.com) and Ericsson (Philip.Hodges@ericsson.com.au)

TSG-CN WG4 (CN4) would like to thank TSG-SA WG4 (SA4) for their LS (N4-010218 / S4-01022) on default configurations for handover from GSM to UMTS.

CN4 understands the requirement for this addition of this new UMTS_AMR2 codec type and is in support of the proposal in principle. However, CN4 would like to understand if this requires the addition of a new Codec Type ID, i.e. in the codec list 26.103 and support in TFO enabled Transcoders in the core network equipment, when generating TFO_REQ, TFO_REQ_L and similar messages mentioned in TS 28.062.