

3GPP TSG-SA Codec Working Group  
 TSG-S4#5: June 14-16, 1999, Miami, FL-USA

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**Liaison To:** TSG-SA  
**From:** TSG-S4 Codec Working Group  
**Subject:** 'Transfer' of AMR Specifications

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The 3G Support Team has recently distributed a list of transferred specifications from SMG to 3GPP. An extract including the specifications under TSG-S4 responsibility is provided below:

3G TS Number	Version at TSG#3	Equivalent GSM Number	Equivalent GSM Version	Title	planned V3
26.071	1.0.0	06.71	7.0.0	AMR speech Codec; General description	June 99
26.073	0.1.0	06.73	7.0.0	AMR speech Codec; C-source code	June 99
26.090	1.0.0	06.90	7.0.0	AMR speech Codec; Transcoding Functions	June 99
26.091	1.0.0	06.91	7.0.0	AMR speech Codec; Error concealment of lost frames	June 99
26.092	1.0.0	06.92	7.0.0	AMR speech Codec; comfort noise	June 99
26.094	0.1.0	06.94	7.0.0	AMR Speech Codec Voice Activity Detector	June 99

Since this list has generated some confusion among TSG-S4 members, we would like to provide some clarifications regarding the AMR specifications:

- First, to this date, none of the AMR specification was 'transferred' from SMG11 to TSG-S4: The GSM AMR specifications are still under the responsibility of SMG11, the 3G AMR specifications are under the responsibility of TSG-S4.
- Although the numbers of the 3G AMR specifications are derived from the GSM AMR specifications to respect the 3GPP specification numbering scheme adopted in TSG-SA#3, some of these paired-specifications are not fully identical. For example, the 3G AMR General Description (26.071) and the GSM AMR General Description (06.71) introduce two different sets of specifications. The 3G set contains a Frame Structure specification (26.101) made necessary by the specific 3G network architecture, but not relevant for the GSM world. Similarly, the Source Controlled Rate Operation specification (26.093, not mentioned in the list of 'transferred specifications) is derived from the GSM Discontinuous Transmission (DTX) specification (06.93) but the 3G specification also contains annexes dedicated to inter-system 3G/2G inter-operability.
- Finally, TSG-S4 and SMG11 have been working under the assumption that two functionally equivalent sets of AMR specifications are required and will continue to exist for GSM and 3GPP.

TSG-S4 and SMG11 are collaborating to keep these two sets as close as possible from each other and in any case functionally equivalent.

In summary, TSG-S4 recommends that any table or information showing the correspondence between GSM and 3GPP specifications clearly states that the content of the paired specifications may not be fully identical.

TSG-S4 would also appreciate if TSG-SA could confirm that the 'transfer' of a GSM specification to 3GPP does not mean that the GSM specification will cease to exist or stop being updated in the future (as versions 8.x.x, 9.x.x....).