

Source: TSG-S4
Title: Updated List of TSG-S4 Deliverables
Document for: Information
Agenda Item: 5.4.1

This document contains in Annex 1 an updated list of TSG-S4 deliverables following the TSG-S4#4 meeting.

The list will be updated after each TSG-S4 meeting to take into account any progress in the production of the specifications and/or newly identified deliverables.

All TSG-S4 specifications are new 3GPP specifications, even if the Mandatory Speech Codec specifications are derived from the GSM AMR specifications. Consequently, they all used new 3GPP specifications numbers (based on the xx.yyy scheme in the 26 series¹).

All specification numbers are provisional until confirmed by the 3GPP technical support team.

¹ The Mandatory Speech codec specifications are based on the GSM AMR specifications. TSG-S4 decided to edit new 3GPP specifications rather than using the existing GSM specifications for the following reasons:

- First, the GSM specifications were considered too much GSM oriented. They would have required a number of CRs to make them more system neutral. Because of the tight schedule for the availability of the baseline specifications, it was felt easier to edit new specifications by removing the existing references to the GSM system and replacing them by the corresponding 3GPP references.
- Some GSM AMR specifications are not applicable without major modifications (GSM 06.93 Discontinuous Transmission (DTX) for Adaptive Multi-Rate Traffic Channels for example). In addition, because of differences in the GSM and 3GPP system architecture (Transcoders located in the Core Network in 3G, dedicated channel coding for the speech service still under discussion), it was also felt necessary to introduce new dedicated 3GPP specifications related to the speech frames content over the RAN to Core Network interface.
- Defining new numbers for the mandatory speech codec specifications give some consistency to the full set and make it easier to identify the corresponding specifications especially for those not familiar with the original GSM numbering scheme. It should be noted that the GSM AMR specifications used the last numbers available in the 06 series after the standardization of the GSM FR, GSM HR and GSM EFR speech codecs. As a result, they were already quite inconsistent with the numbering scheme adopted for the previous speech codecs.
- Even if the two sets of specifications will induce a more complex maintenance, it was also recognized that the speech codec specifications usually require a low maintenance level once they have been approved in plenary.

Annex 1: Draft List of TSG-S4 Deliverables:
Version: 0.2, 1999-04-22

Deliverable	Title	Features under study	Dependency	Editor	Date for approval	WI Rapporteur	Comment/Status
TS 26.010	AMR Speech Codec; General Description	None Mandatory Speech selected	None	Erik Ekudden Ericsson	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 1.0.0 presented for information at TSG- SA#3
TS 26.011	AMR Speech Codec; Transcoding functions	None Mandatory Speech selected	None	Erik Ekudden Ericsson	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 1.0.0 presented for information at TSG- SA#3
TS 26.012	AMR Speech Codec; ANSI C-Code	None Mandatory Speech selected	Final version to be derived from new version to be approved in SMG11	Erik Ekudden Ericsson	Baseline: TSG-SA#4 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 0.1.0 proposals reviewed in TSG-S4#3
TS 26.013	AMR Speech Codec; Test Sequences	Definition of Test Sequences	To be completed by SMG11	?	Release 99: TSG-SA#6	Erik Ekudden Ericsson	No Rapporteur identified
TS 26.014	AMR Speech Codec; Comfort noise aspects	None Mandatory Speech selected	None	Erik Ekudden Ericsson	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 1.0.0 presented for information at TSG- SA#3
TS 26.015	AMR Speech Codec; Error Concealment of lost frames	None Mandatory Speech selected	None	Erik Ekudden Ericsson	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 1.0.0 presented for information at TSG- SA#3
TS 26.016	AMR Speech Codec Source Controlled Rate operation	Adaptation of existing GSM DTX specification	None	Erik Ekudden Ericsson	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 1.0.0 presented for information at TSG- SA#3
TS 26.017	AMR Speech Codec Voice Activity Detector	None	Final version to be derived from new version to be approved in SMG11	Nokia/Motorola	Baseline: TSG-SA#4 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 0.1.0 proposals reviewed in TSG-S4#3
TS26.018	AMR Speech Codec Frame Structure	Frame bit content, CRC	Definition of the speech service channel coding	Jari Hagqvist Nokia	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 1.0.0 presented for information at TSG- SA#3
TS 26.019	AMR Speech Codec Interface to lu and Uu	In relation with definition of system interfaces (lu)	lu Specification? Definition of the speech service channel coding	William Navarro Nortel Networks	Baseline: TSG-SA#4 Release 99: TSG-SA#6	Erik Ekudden Ericsson	Version 0.2.0 reviewed in TSG-S4#4
TR 26.020	AMR Speech Codec Performances Characterisation	Preparation of test plan Identification of Host Lab and Listening Lab	Definition of Channel Coding w/ (TSG-R1)	Alain Ohana GSM North America	Release 99: TSG-SA#6	Erik Ekudden Ericsson	No SQ expertise in 3GPP No Funding identified yet Partial Transfer to SMG11
TS 26.110	Codec(s) for Circuit Switched Multimedia Telephony Service General Description	-	None	Barry Aronson Toshiba	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Barry Aronson Toshiba	Version 1.0.0 presented for information at TSG- SA#3
TS 26.111	Codec(s) for Circuit Switched Multimedia Telephony Service Modifications to H.324	-	None	Barry Aronson Toshiba	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Barry Aronson Toshiba	Version 1.0.0 presented for information at TSG- SA#3
TS 26.112	Codec(s) for Circuit Switched Multimedia Telephony Service Call Set Up Requirements	-	None	Harri Honko Nokia	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Barry Aronson Toshiba	Version 1.0.0 presented for information at TSG- SA#3
TR 26.115	Codec(s) for Circuit Switched Multimedia Telephony Service Terminal Implementor's Guide	-	None	Petri Haavisto Nokia	Baseline: TSG-SA#3 Release 99: TSG-SA#6	Barry Aronson Toshiba	Version 1.0.0 presented for information at TSG- SA#3
TR 26.116	Quantitative performance evaluation of H.324 Annex C over 3G	-	None	Olle Franceschi, Ericsson	Baseline: TSG-SA#4 Release 99: TSG-SA#6	Harri Honko Nokia	Version 0.0.1 reviewed in TSG-S4#4
TR 26.216	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	tbd	tbd	Harri Honko Nokia	Release 99: TSG-SA#6	Harri Honko Nokia	First draft expected for 6/99

Annex 1: Draft List of TSG-S4 Deliverables:**Version: 0.3, 1999-04-23**

TR 26.350	Transmission planning aspects of the services in 3G PLMN System	tbd	None	Ian Goetz, Cellnet (tbc)	Release 99: TSG-SA#6	Harri Honko Nokia	First draft expected for 6/99
TS 22.053	Tandem Free Operation of speech codecs; Stage 1 service description	Evolution of GSM 02.53	Sent to TSG-S1 for review	William Navarro Nortel Networks	Release 99: TSG-SA#6	William Navarro Nortel Networks	Version 0.1.1 reviewed in TSG-S4#4
TR 26.060	Architectural Model for the 3G Transcoders	-	Version 0.1.1 sent to TSG-S2 for comments	William Navarro Nortel Networks	Release 99: TSG-SA#6	William Navarro Nortel Networks	Version 0.1.1 reviewed in TSG-S4#4
TS 26.061	Technical Specification for Tandem Free Operation within 3G networks	tbd	tbd	?	Release 99: TSG-SA#6	William Navarro Nortel Networks	
TS 26.062	Technical Specification for Tandem Free Operation between 3G and 2G networks	tbd	tbd	?	Release 99: TSG-SA#6	William Navarro Nortel Networks	

Work Programs:

- WI-S4-1: Mandatory Speech Codec for Narrow band Speech Telephony Service
Draft Work Program available for internal TSG-S4 use
- WI-S4-2: Codec for Low bit rate Multimedia Telephony Service
Draft Work Program available for internal TSG-S4 use
- WI-S4-3: QoS for Speech and Multimedia Codec
Work Program version 0.2.0 presented for information at TSG-SA#3
- WI-S4-5: Codec(s) for Wideband Telephony Services
Draft Work Program expected for TSG-S4#5
- WI-S4-6: Tandem Free Operation in 3G systems and between 2G and 3G systems
Draft Work Program available for internal TSG-S4 use