

Source: TSG-S4 (Codec Working Group)
Title: Proposed TSG-S4 Work Item on 3G Audio-Visual Terminal Characteristics
Document for: Approval
Agenda Item: 5.4.3

x.1 TSG SA Work Area

	WG1: Services
	WG2: Architecture
	WG3: Security
X	WG4: Codec
	WG5: Network Management

x.2 Justification

The provision of speech, multi-media (e.g. Video Telephony) and wideband audio services in 3G terminals requires the specification of certain terminal characteristics, notably acoustic and visual (display/camera) characteristics. This work item will develop the acoustic and visual requirements and any test methods needed to support these requirements. These requirements and specifications will be passed to 3GPP_TSG_T for inclusion in their terminal specification work. Some terminal characteristics may place requirements on the network (such as echo control) and hence liaison with 3GPP_TSG_SA2 will be required.

x.3 Intended Output of the Work Item

- Specifications For Narrow Band Speech & Video Telephony Acoustic Characteristics.
- Specifications For Wide Band Speech Telephony Acoustic Characteristics
- Test Specifications For Narrow Band Speech & Video Telephony Acoustic Characteristics.
- Test Specifications For Wide Band Speech Acoustic Characteristics.
- Visual Specifications For Narrow Band Video Telephony (H.324).
- Visual Specifications For Narrow Band Video Telephony (H.323).
- Visual Test Specifications For Narrow Band Video Telephony (H.324).
- Visual Test Specification For Narrow Band Video Telephony (H.323).

x.4 Impact on other Technical Specifications and Technical Reports

Affects:	USIM	ME	NW	Others
Yes		X		
No	X			
Don't know			X	

x.5 Technical Scope, including the field of application of the intended output

The work item will develop technical specifications for the acoustic characteristics and visual characteristics (Display/camera) for 3G speech and multi-media terminals in support of the Mandatory speech service, The H.324 and H.323 Narrowband video telephony service and wideband speech service work items.

These specifications will details the requirements for acoustic parameters, such as SLR, and the test methods to assess terminal conformance and performance. Similar specifications will be developed for terminal visual characteristics.

The output will be in the form of technical specifications.

x.6 Impact on and Linked 3GPP Work Items

TSG-S4: Work Items on Codec for low bit rate Multimedia telephony service, QoS for Speech & Multimedia Codecs

Corresponding activities in TSG-SA WG2 (Architecture) and TSG-T_WG2 (Services) and WG1 (Conformance Testing)

Other working groups as required

x.7 Schedule of tasks to be performed

Detailed work program to be defined during the 3GPP TSG-SA WG4#4 meeting

Work Item to be approved in TSG-SA#3 (April 1999, in Yokohama, Japan).

First Draft Acoustic Specifications For Narrow Band Speech & Video Telephony completed by: September 1999. Final Specifications By December 1999.

First Draft Acoustic Specifications For Wide Band Speech completed by: December 1999. Final Specifications By 2000.

First Draft Acoustic Test Specifications For Narrow Band Speech & Video Telephony completed by: September 1999. Final Specifications By December 1999.

First Draft Acoustic Test Specifications For Wide Band Speech completed by: December 1999. Final Specifications By 2000.

First Draft Visual Specifications For Narrow Band Video Telephony (H.324) completed by: September 1999. Final Specifications By December 1999.

First Draft Visual Specifications For Narrow Band Video Telephony (H.323) completed by: September 1999. Final Specifications By December 1999.

First Draft Visual Test Specifications For Narrow Band Video Telephony (H.324) completed by: September 1999. Final Specifications By December 1999.

First Draft Visual Test Specifications For Narrow Band Video Telephony (H.323) completed by: September 1999. Final Specifications By December 1999.

New Specifications & Technical Reports (Provisional Number)						
Spec. No.	Title	Prime resp. TSG(s)	2 nd ary resp. TSG(s)	Presented for information at TSG#	Approved at TSG#	Comments
26.XX.01	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	SA	T	TSG SA#x	TSG-SA#y	Ian Goetz, Cellnet
26.XX.02	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	SA	T	TSG SA#x	TSG-SA#y	Ian Goetz, Cellnet
26.XX.03	Wide Band Speech Telephony Terminal Acoustic Characteristics	SA	T	TSG SA#x	TSG-SA#y	Paul Barrett, BT
26.XX.04	Wide Band Speech Telephony Terminal Acoustic Test Specification.	SA	T	TSG SA#x	TSG-SA#y	Paul Barrett, BT
26.XX.05	Terminal Display and Camera Characteristics For H.324 Narrow-band Video Telephony Service.	SA	T	TSG SA#x	TSG-SA#y	Editor: tbd
26.XX.06	Terminal Display and Camera Test Specifications For H.324 Narrow-band Video Telephony Service.	SA	T	TSG SA#x	TSG-SA#y	Editor: tbd
26.XX.07	Terminal Display and Camera Characteristics For H.323 Narrow-band Video Telephony Service.	SA	T	TSG SA#x	TSG-SA#y	Editor: tbd
26.XX.08	Terminal Display and Camera Test Specifications For H.324 Narrow-band Video Telephony Service.	SA	T	TSG SA#x	TSG-SA#y	Editor: tbd
Affected existing specifications						
Spec. No.	CR	Subject			Approved at TSG#	Comments

x.8 Supporting Members

Individual Member Organization	Representing Partner
Cellnet	ETSI
BT	ETSI
Tellabs	ETSI
Toshiba	ARIB

x.9 Work item Rapporteur

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x.10 Responsible TSGs

TSG SA WG4 (Codec)