

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

P.862.3

Corrigendum 1
(11/2011)

SERIES P: TERMINALS AND SUBJECTIVE AND
OBJECTIVE ASSESSMENT METHODS

Methods for objective and subjective assessment of
speech quality

Application guide for objective quality measurement
based on Recommendations P.862, P.862.1 and
P.862.2

Corrigendum 1

Recommendation ITU-T P.862.3 (2007) –
Corrigendum 1

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Recommendation ITU-T P.862.3

Application guide for objective quality measurement based on Recommendations P.862, P.862.1 and P.862.2

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History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T P.862.3	2005-11-29	12
2.0	ITU-T P.862.3	2007-11-13	12
2.1	ITU-T P.862.3 (2007) Cor. 1	2011-11-09	12

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

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Recommendation ITU-T P.862.3

Application guide for objective quality measurement based on Recommendations P.862, P.862.1 and P.862.2

Corrigendum 1

Table I.3 in Appendix I of Recommendation ITU-T P.862.3 (2007) contains an error. The abbreviation FR should read as EFR, HR as FR and EFR as HR.

The table below contains the required changes as revision marks:

Table I.3 – The P.862 reference values for GSM standardized codecs

Language	File name	AMR								FR	HR	EFR
		12.2 kbit/s	10.2 kbit/s	7.95 kbit/s	7.4 kbit/s	6.7 kbit/s	5.9 kbit/s	5.15 kbit/s	4.75 kbit/s	<u>FR</u>	<u>FR</u>	<u>HR</u>
American English	Female 1 (0.00-7.97 s).wav	3.87	3.75	3.60	3.61	3.52	3.43	3.33	3.18	3.94	3.03	3.20
	Female 2 (0.00-8.06 s).wav	4.13	4.07	3.96	3.92	3.79	3.72	3.62	3.49	4.08	3.70	3.54
	Male 1 (0.00-8.44 s).wav	4.10	4.03	3.94	3.97	3.88	3.84	3.64	3.50	4.19	3.69	3.46
	Male 2 (0.00-7.96 s).wav	4.10	4.06	4.03	4.01	3.91	3.85	3.73	3.70	4.20	3.59	3.72
	Average	4.05	3.98	3.88	3.88	3.78	3.71	3.58	3.47	4.10	3.51	3.48
Chinese	Female 1 (0.00-10.87 s).wav	3.94	3.81	3.46	3.50	3.27	3.15	2.99	3.00	3.98	3.18	2.94
	Female 1b (0.00-13.39 s).wav	3.97	3.82	3.52	3.45	3.36	3.22	3.00	2.95	4.04	3.02	2.95
	Female 2 (0.00-13.32 s).wav	4.08	3.99	3.71	3.62	3.53	3.38	3.21	3.07	4.12	3.07	3.01
	Female 2b (0.00-13.39 s).wav	4.08	4.01	3.74	3.74	3.62	3.40	3.21	3.13	4.10	3.03	3.04
	Male 1 (0.00-12.15 s).wav	3.94	3.84	3.66	3.68	3.54	3.45	3.22	3.22	4.06	3.50	3.26
	Male 1a (0.00-12.91 s).wav	4.23	4.14	3.95	3.92	3.78	3.65	3.34	3.35	4.20	3.65	3.36
	Male 2 (0.00-12.50 s).wav	4.07	3.93	3.78	3.77	3.62	3.46	3.22	3.21	4.15	3.72	3.30
	Male 2b (0.00-12.82 s).wav	4.16	4.15	3.94	3.94	3.80	3.64	3.40	3.27	4.23	3.64	3.44
	Average	4.06	3.96	3.72	3.70	3.57	3.42	3.20	3.15	4.11	3.35	3.16
English	Female 1 (0.00-8.00 s).wav	4.00	3.82	3.63	3.62	3.42	3.31	3.21	3.11	3.99	3.27	3.07
	Female 2 (0.00-8.00 s).wav	3.81	3.78	3.65	3.62	3.56	3.49	3.36	3.34	3.78	3.31	3.28
	Male 1 (0.00-8.00 s).wav	4.01	3.88	3.75	3.67	3.46	3.57	3.23	3.01	4.03	3.54	3.37
	Male 2 (0.00-8.00 s).wav	4.06	3.83	3.73	3.68	3.53	3.48	3.18	2.98	4.10	3.75	3.49
	Average	3.97	3.83	3.69	3.65	3.49	3.46	3.25	3.11	3.98	3.47	3.30
French	Female 1 (0.00-10.04 s).wav	4.11	4.01	3.79	3.83	3.66	3.42	3.33	3.30	4.04	3.49	3.37
	Female 2 (0.00-10.04 s).wav	3.91	3.85	3.57	3.54	3.40	3.31	3.22	2.98	3.83	3.19	3.24
	Male 1 (0.00-12.18 s).wav	4.00	3.88	3.71	3.72	3.54	3.37	3.23	3.14	4.07	3.49	3.32
	Male 2 (0.00-10.04 s).wav	4.11	4.05	3.85	3.91	3.75	3.57	3.37	3.28	4.17	3.84	3.30
	Average	4.03	3.95	3.73	3.75	3.59	3.42	3.29	3.18	4.03	3.50	3.31
German	Female 1 (0.00-8.00 s).wav	4.08	3.98	3.65	3.60	3.54	3.36	3.15	3.06	4.06	3.40	3.20
	Female 2 (0.00-8.00 s).wav	4.21	4.14	3.93	3.88	3.76	3.63	3.53	3.47	4.17	3.54	3.37
	Male 1 (0.00-8.00 s).wav	4.12	4.08	3.90	3.88	3.78	3.66	3.55	3.50	4.19	3.82	3.43
	Male 2 (0.00-8.00 s).wav	4.17	4.07	3.97	3.92	3.77	3.69	3.65	3.56	4.21	3.70	3.38
	Average	4.14	4.07	3.86	3.82	3.72	3.58	3.47	3.40	4.16	3.62	3.35

Table I.3 – The P.862 reference values for GSM standardized codecs

Italian	Female 1 (0.00-20.60 s).wav	3.80	3.67	3.51	3.41	3.34	3.24	3.12	2.92	3.81	2.83	3.00
	Female 2 (0.00-21.78 s).wav	4.09	4.04	3.88	3.86	3.74	3.61	3.40	3.27	4.14	3.29	3.32
	Male 1 (0.00-18.13 s).wav	4.03	3.95	3.82	3.78	3.64	3.49	3.32	3.20	4.13	3.37	3.17
	Male 2 (0.00-20.86 s).wav	4.23	4.15	4.00	4.07	3.89	3.84	3.60	3.47	4.27	3.58	3.47
	Average	4.04	3.95	3.80	3.78	3.65	3.55	3.36	3.22	4.08	3.27	3.24
Japanese	Female 1 (0.00-7.60 s).wav	3.89	3.75	3.53	3.41	3.40	3.28	3.08	3.10	3.87	2.92	2.92
	Female 2 (0.00-7.31 s).wav	3.92	3.85	3.54	3.62	3.42	3.27	3.20	3.08	3.99	2.82	3.09
	Male 1 (0.00-7.13 s).wav	3.87	3.81	3.59	3.50	3.42	3.28	3.19	3.12	3.91	2.89	2.91
	Male 2 (0.00-7.45 s).wav	4.18	4.08	3.92	3.94	3.84	3.73	3.59	3.44	4.21	3.63	3.55
	Average	3.97	3.87	3.64	3.61	3.52	3.39	3.27	3.19	4.00	3.06	3.12
Spanish (US)	Female 1 (0.00-8.00 s).wav	4.03	3.96	3.63	3.68	3.50	3.30	3.23	3.16	3.96	3.03	3.20
	Female 2 (0.00-8.00 s).wav	3.63	3.48	3.23	3.26	3.05	3.03	2.88	2.80	3.73	2.68	2.72
	Male 1 (0.00-8.00 s).wav	3.98	3.61	3.67	3.49	3.51	3.38	3.23	3.15	4.15	3.44	3.19
	Male 2 (0.00-8.00 s).wav	4.04	3.87	3.71	3.58	3.52	3.28	3.11	3.14	4.09	3.48	3.36
	Average	3.92	3.73	3.56	3.50	3.40	3.25	3.11	3.06	3.99	3.16	3.12

NOTE – Grey cells indicate samples that do not meet [ITU-T P.501] requirements.

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