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SERIES P: TELEPHONE TRANSMISSION QUALITY

Objective measuring apparatus

Artificial Mouth

ITU-T Recommendation P.51

(Previously "CCITT Recommendation")

ITU-T P-SERIES RECOMMENDATIONS
TELEPHONE TRANSMISSION QUALITY

Vocabulary and effects of transmission parameters on customer opinion of transmission quality	P.10-P.29
Subscribers' lines and sets	P.300-P.399
Subscribers' lines and sets	P.30-P.39
Transmission standards	P.40-P.49
Objective measuring apparatus	P.500-P.599
Objective measuring apparatus	P.50-P.59
Objective electro-acoustical measurements	P.60-P.69
Measurements related to speech loudness	P.70-P.79
Methods for objective and subjective assessment of quality	P.800-P.999
Methods for objective and subjective assessment of quality	P.80-P.99

For further details, please refer to ITU-T List of Recommendations.

FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The 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 Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

ITU-T Recommendation P.51, was revised by ITU-T Study Group 12 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 30th of August 1996.

NOTE

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

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CONTENTS

	<i>Page</i>
1 Scope	1
2 Normative references	1
3 Object	1
4 Definitions	1
5 Acoustic characteristics of the artificial mouth	2
5.1 Normalised free-field response	2
5.2 Normalised obstacle diffraction	5
5.3 Maximum deliverable sound pressure level	6
5.4 Distortion	6
5.5 Linearity	6
6 Miscellaneous	6
6.1 Delivery conditions	6
6.2 Stability	7
6.3 Stray magnetic field	7
6.4 Declaration of model type	7

SUMMARY

The Recommendation specifies the acoustical and electrical characteristics of the Artificial Mouth used for telephonometric measurements.

The sound radiation patterns are specified at a number of points in front of the mouth, as well as the sound diffraction characteristics occurring by inserting a reference obstacle in the sound field generated by the mouth. Also the dynamic range of the generated sound is specified, as well as the linearity characteristics of the device.

The proposed revision of this Recommendation affects the latter aspects, namely the distortion and output linearity requirements of the Artificial Mouth.