

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

O.174

Corrigendum 2
(02/2012)

SERIES O: SPECIFICATIONS OF MEASURING EQUIPMENT

Equipment for the measurement of digital and
analogue/digital parameters

Jitter and wander measuring equipment for digital
systems which are based on synchronous Ethernet
technology

Corrigendum 2

Recommendation ITU-T O.174 (2009) – Corrigendum 2

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Recommendation ITU-T O.174

Jitter and wander measuring equipment for digital systems which are based on synchronous Ethernet technology

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Summary

Corrigendum 2 to Recommendation ITU-T O.174 (2009) specifies the frequency range of the variable error for EEC signal jitter/wander generation in clause 8.4.2.1.

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T O.174	2009-11-13	15
1.1	ITU-T O.174 (2009) Cor. 1	2010-07-29	15
1.2	ITU-T O.174 (2009) Amd. 1	2011-04-13	15
1.3	ITU-T O.174 (2009) Cor. 2	2012-02-13	15

FOREWORD

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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.

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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.

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Recommendation ITU-T O.174

Jitter and wander measuring equipment for digital systems which are based on synchronous Ethernet technology

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1) Changes to Recommendation ITU-T O.174

1.1) Clause 8.4.2.1

Replace the existing text and Table 2 in clause 8.4.2.1 of Recommendation ITU-T O.174 (2009) Amd. 1 (04/2011) with the following:

The amplitude error of sinusoidal jitter/wander generation shall be less than:

$$Q\% \text{ of setting } \pm 0.02 \text{ UI}_{pp}$$

where Q is a variable error specified in Table 2 for EEC signals. The frequencies f_0 , f_1 and f_2 used in Table 2 are defined in Table 1.

Table 2 – Variable error (Q) of EEC signal jitter/wander generation

EEC Signal	Error, Q	Frequency range
1G, 10G	FFS	f_0 to f_1
	$\pm 8\%$	f_1 to f_2

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