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| Fond-Rec_e | | **International Telecommunication Union** | | |
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| **ITU-T** | **O.174** | |
| TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU | | **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 | | | |



ITU-T O-SERIES RECOMMENDATIONS

**SPECIFICATIONS OF MEASURING EQUIPMENT**

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| General | O.1–O.9 |
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*For further details, please refer to the list of ITU-T Recommendations.*

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| Recommendation ITU-T O.174  Jitter and wander measuring equipment for digital systems which are based on synchronous Ethernet technology  Corrigendum 2 |

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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. |

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| 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 |  | |

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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.

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Recommendation ITU-T O.174

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

Corrigendum 2

# 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*% of setting ±0.02 UIpp

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

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| EEC Signal | Error, *Q* | Frequency range |
| 1G, 10G | FFS | *f*0 to *f*1 |
| ±8% | *f*1 to *f*2 |

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