INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.8273/Y.1368
Corrigendum 1
(05/2014)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS

Packet over Transport aspects – Synchronization, quality and availability targets

SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS

Framework of phase and time clocks

Corrigendum 1

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/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/.

Corrigendum 1 to Recommendation ITU-T G.8273/Y.1368 (2013)

Framework of phase and time clocks:
Corrigendum 1

Summary

Corrigendum 1 to Recommendation ITU-T G.8273/Y.1368 (2013) corrects some of the equations in Annex A.

Corrigendum 1 to Recommendation ITU-T G.8273/Y.1368 (2013)

Framework of phase and time clocks: Corrigendum 1

1. Annex A "Testing and Measurement of Time/Phase Clocks"

Within Annex A, replace equation A.1.9 with the following equation:

$$TE_1(n) = T_1(n) + \Delta - \tau_2(n)$$
$$TE_4(m) = T_4(m) - \Delta - \tau_3(m)$$

Within Annex A, replace equation A.2.3 with the following equation:

$$TE_1(n) = T_1(n) + \Delta - \tau_2(n)$$
$$TE_4(m) = T_4(m) - \Delta - \tau_3(m)$$

Within Annex A, replace equation A.3.3 with the following equation:

$$TE_1(n) = T_1(n) + \Delta - \tau_2(n)$$
$$TE_4(m) = T_4(m) - \Delta - \tau_3(m)$$

Within Annex A, replace equation A.1.10 with the following equation:

$$\frac{|\langle TE_1(n)\rangle + \langle TE_4(m)\rangle|}{2} < X_{CONSTANT}$$

Within Annex A, replace equation A.2.4 with the following equation:

$$\frac{|\langle TE_1(n)\rangle + \langle TE_4(m)\rangle|}{2} < X_{GM-CONSTANT}$$

Within Annex A, replace equation A.3.4 with the following equation:

$$\frac{|\langle TE_1(n)\rangle + \langle TE_4(m)\rangle|}{2} < X_{BC-CONSTANT}$$

Within Annex A, replace the sentence following Equation A.2.4 reading:

"(The expression $\frac{|\langle TE_1(n)\rangle - \langle TE_4(m)\rangle|}{2}$ represents half the asymmetry between the constant time errors in the forward and reverse directions, which in this case is total constant time error introduced)"

With:

"(The expression $\frac{|\langle TE_1(n)\rangle + \langle TE_4(m)\rangle|}{2}$ represents half the asymmetry between the constant time errors in the forward and reverse directions, which in this case is total constant time error introduced)"