

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.7041/Y.1303

Corrigendum 1
(12/2006)

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DIGITAL SYSTEMS AND NETWORKS

Data over Transport – Generic aspects – General

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INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
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For further details, please refer to the list of ITU-T Recommendations.

ITU-T Recommendation G.7041/Y.1303

Generic framing procedure (GFP)

Corrigendum 1

Summary

This corrigendum corrects the description of the GFP payload FCS calculation. The original note text was correct, but the main paragraph text contained an error.

Source

Corrigendum 1 to ITU-T Recommendation G.7041/Y.1303 (2005) was approved on 14 December 2006 by ITU-T Study Group 15 (2005-2008) under the ITU-T Recommendation A.8 procedure.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. 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.

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Generic framing procedure (GFP)

Corrigendum 1

In clause 6.1.2.2.1.1 Payload FCS generation, modify step 2 and its note to be:

- 2) $M'(x)$ is multiplied by x^{32} , added to the product of x^{8N} and the all-ones polynomial $U(x) = 1 + x^1 + x^2 + \dots + x^{31}$, and divided (modulo 2) by $G(x)$, producing a remainder $R(x)$ of degree 31 or less.

NOTE – The addition of $x^{8N} [1 + x^1 + x^2 + \dots + x^{31}]$ is equivalent to presetting the shift register to all 1s for typical shift register implementations using presets. Either method is equivalent to complementing the 32 MSBs of the GFP Payload Information field for the purpose of calculating the FCS.

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