



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.7041/Y.1303

Amendment 2
(06/2004)

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ITU-T Recommendation G.7041/Y.1303 (2003) –
Amendment 2

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ITU-T Recommendation G.7041/Y.1303

Generic framing procedure (GFP)

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Summary

This amendment refers to clause 7.5 of ITU-T Rec. G.7041/Y.1303, showing the Resilient Packet Ring (RPR) and the Generic Framing Procedure (GFP) relationship, and the encapsulation of the RPR frame octets.

Source

Amendment 2 to ITU-T Recommendation G.7041/Y.1303 (2003) was approved on 13 June 2004 by ITU-T Study Group 15 (2001-2004) 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.

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.

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Generic framing procedure (GFP)

Amendment 2

1) Clause 2

Add the following new reference alphanumerically in clause 2:

- IEEE 802.17-2004, Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 17: Resilient packet ring (RPR) access method & physical layer specifications.

2) Clause 7.5

Replace the current contents of clause 7.5 with the following text:

The format of RPR frames is defined in IEEE 802.17, section 8. There is a one-to-one mapping between a RPR frame and a GFP PDU. For clarity, this relationship between RPR frames and GFP frames is illustrated in Figure 7-5.

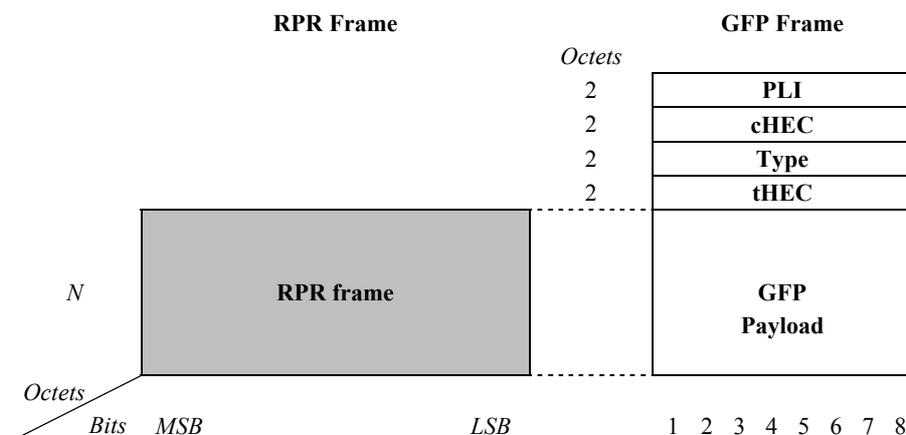


Figure 7-5/G.7041/Y.1303 – RPR and GFP frame relationships

7.5.1 RPR encapsulation

All of the RPR frame octets (as defined in IEEE 802.17, clause 8), are placed in the GFP Payload Information field. The default is no header extension and the pFCS field is not used. Octet-alignment is maintained and bit identification within octets is maintained. Specifically, on an octet-by-octet basis, bits LSB and MSB in IEEE 802.17 clause 8 and Annex C correspond to bits 8 and 1, respectively, in this GFP Recommendation. A complete definition of this encapsulation is contained in IEEE 802.17, Annex C.

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