

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

## G.984.4

**Corrigendum 1**  
(03/2010)

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

Digital sections and digital line system – Optical line  
systems for local and access networks

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Gigabit-capable passive optical networks (G-PON):  
ONT management and control interface  
specification

**Corrigendum 1**

Recommendation ITU-T G.984.4 (2008) –  
Corrigendum 1

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# **Recommendation ITU-T G.984.4**

## **Gigabit-capable passive optical networks (G-PON): ONT management and control interface specification**

### **Corrigendum 1**

#### **Summary**

Corrigendum 1 to Recommendation ITU-T G.984.4 presents minor corrections to clause 9.2.4 and Figure 8.2.9-1.

#### **History**

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.984.4	2004-06-13	15
1.1	ITU-T G.984.4 (2004) Amend. 1	2005-06-29	15
1.2	ITU-T G.984.4 (2004) Amend. 2	2006-03-29	15
1.3	ITU-T G.984.4 (2004) Amend. 3	2006-12-14	15
2.0	ITU-T G.984.4	2008-02-22	15
2.1	ITU-T G.984.4 (2008) Amend. 1	2009-06-06	15
2.2	ITU-T G.984.4 (2008) Amend. 2	2009-11-13	15
2.3	ITU-T G.984.4 (2008) Cor.1	2010-03-01	15

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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.

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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As of the date of approval of this Recommendation, ITU had 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/>.

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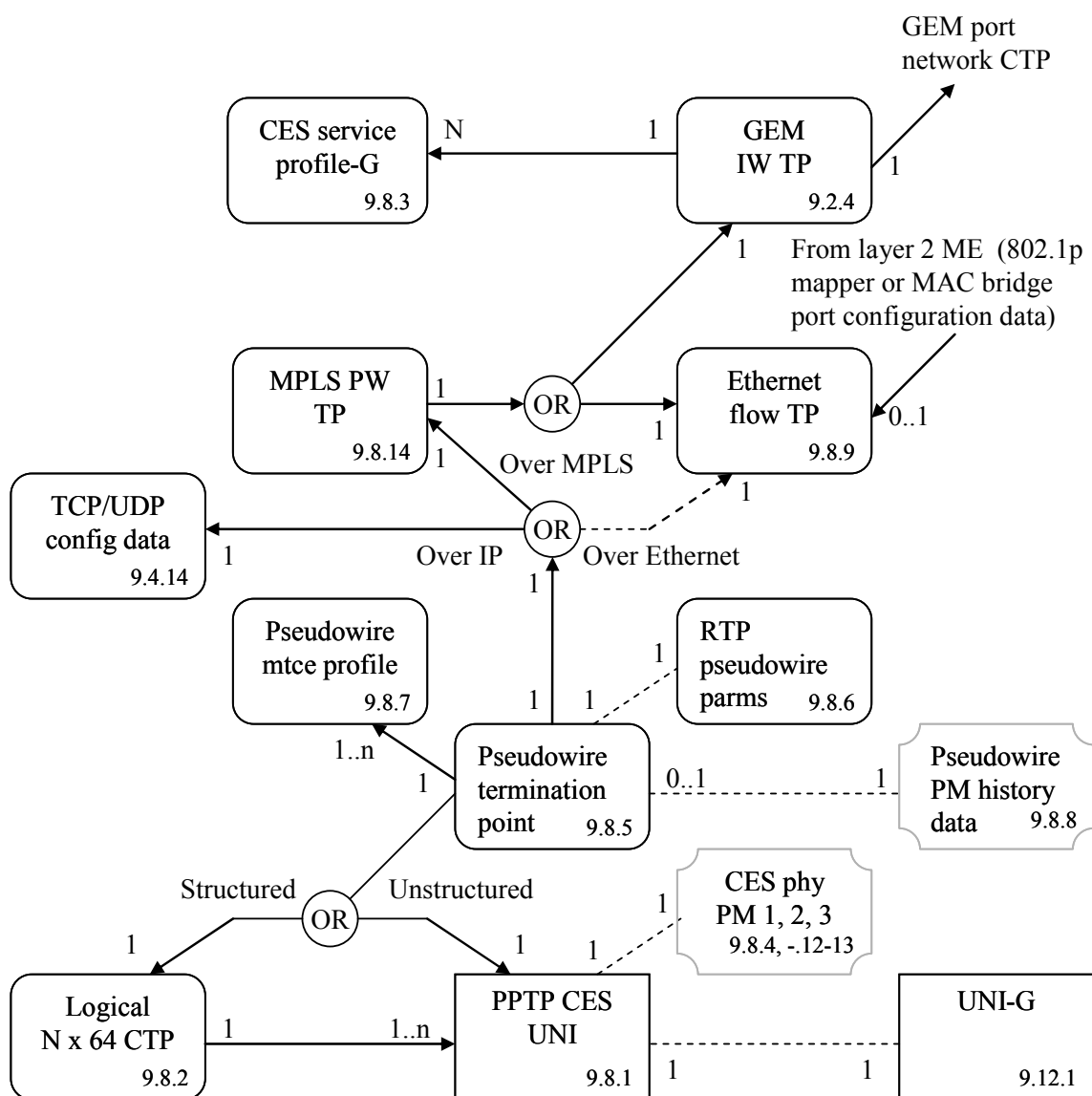
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**Gigabit-capable passive optical networks (G-PON):  
ONT management and control interface specification**

**Corrigendum 1**

**1 Clause 8.2.9, Circuit emulation service**

Replace Figure 8.2.9-1 with the following:



**Figure 8.2.9-1 – Pseudowire TDM**

## 2 Clause 9.2.4, GEM interworking termination point

*Revise the following attributes as indicated below.*

**Interworking option:** This attribute identifies the type of non-GEM function that is being interworked. The options are:

- 0 ~~Circuit-emulated~~ ~~Unstructured~~ TDM.
- 1 MAC bridge LAN.
- 2 Reserved for future use.
- 3 IP data service.
- 4 Video return path.
- 5 802.1p mapper.
- 6 Downstream broadcast.
- 7 MPLS PW TDM ~~data~~ service.

(R, W, Set-by-create) (mandatory) (1 byte)

**Service profile pointer:** This attribute points to an instance of a service profile, such as:

- |  |                            |
|--|----------------------------|
| CES service profile-G                                | if interworking option = 0 |
| MAC bridge service profile                           | if interworking option = 1 |
| IP router service profile                            | if interworking option = 3 |
| Video return path service profile                    | if interworking option = 4 |
| 802.1p mapper service profile                        | if interworking option = 5 |
| Null pointer   | if interworking option = 6 |
| <u>CES service profile-G</u> <del>Null pointer</del> | if interworking option = 7 |

(R, W, Set-by-create) (mandatory) (2 bytes)



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