

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.984.4

Amendment 3

(07/2010)

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

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

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

**Amendment 3: Clarification of scope of
application**

Recommendation ITU-T G.984.4 (2008) –
Amendment 3

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For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T G.984.4

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

Amendment 3

Clarification of scope of application

Summary

The description of OMCI has been made generic in Recommendation ITU-T G.988, so that it can cover multiple access system technologies, one of which is G-PON. From January 2010, all new enhancements to the OMCI will be described in Recommendation ITU-T G.988, and so Recommendation ITU-T G.988 will be the latest and best specification.

The point of this amendment is to direct the readers of Recommendation ITU-T G.984.4 to consult Recommendation ITU-T G.988 as their primary reference. That said, Recommendation ITU-T G.984.4 remains "in-force" for those features that are not covered in Recommendation ITU-T G.988.

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
2.4	ITU-T G.984.4 (2008) Amend. 3	2010-07-29	15

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 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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Recommendation ITU-T G.984.4

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

Amendment 3

Clarification of scope of application

1 Scope

The description of OMCI has been made generic in [ITU-T G.988], so that it can cover multiple access system technologies, one of which is G-PON. From January 2010, all new enhancements to the OMCI will be described in [ITU-T G.988], and so [ITU-T G.988] will be the latest and best specification.

The point of this amendment is to direct the readers of Recommendation ITU-T G.984.4 to consult [ITU-T G.988] as their primary reference. That said, Recommendation ITU-T G.984.4 remains "in-force" for those features that are not covered in [ITU-T G.988].

2 Changes to ITU-T G.984.4 (2008)

2.1 Modification to "Summary"

Replace the summary with the following:

"The most up-to-date specification for the ONT management and control interface (OMCI) now appears in Recommendation ITU-T G.988. Readers with a continuing interest in OMCI are advised to consult Recommendation ITU-T G.988 as their primary reference.

Recommendation ITU-T G.988, the generic OMCI specification, is intended to cover a variety of access systems, including G-PON. However, Recommendation ITU-T G.988 does not document all of the legacy features that were contained in Recommendation ITU-T G.984.4. Definitions and features contained in Recommendation ITU-T G.984.4 that do not appear in Recommendation ITU-T G.988 remain valid for legacy ITU-T G.984 applications. Further, all code points assigned to such legacy definitions remain reserved and are excluded from the code points assignable by Recommendation ITU-T G.988."

2.2 Modification to clause 1, Scope

Add the following text to the beginning of clause 1:

"The most up-to-date specification for the ONT management and control interface (OMCI) now appears in [ITU-T G.988]. Readers with a continuing interest in OMCI are advised to consult [ITU-T G.988] as their primary reference. For items where Recommendation ITU-T G.984.4 (2008, as amended) and [ITU-T G.988] conflict, [ITU-T G.988] takes precedence. However, for legacy items specified by Recommendation ITU-T G.984.4, where [ITU-T G.988] remains silent, then the Recommendation ITU-T G.984.4 material remains in force. Further, all code points assigned to such legacy definitions remain reserved and are excluded from the code points assignable by [ITU-T G.988]."

2.3 Modification to clause 2, References

Add the following reference to clause 2.

[ITU-T G.988] Recommendation ITU-T G.988 (2010), *ONU management and control interface (OMCI) specification*.

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