



**Access, Terminals, Transmission and Multiplexing (ATTM);
Third Generation Transmission Systems for
Interactive Cable Television Services - IP Cable Modems;
Part 1: General;
DOCSIS 3.0**

[ETSI EN 302 878-1 V1.1.1 \(2011-11\)](https://standards.iteh.ai/catalog/standards/etsi/6e8d020d-e9ea-4106-8e05-80ac3bd08582/etsi-en-302-878-1-v1-1-1-2011-11)

<https://standards.iteh.ai/catalog/standards/etsi/6e8d020d-e9ea-4106-8e05-80ac3bd08582/etsi-en-302-878-1-v1-1-1-2011-11>

ReferenceDEN/ATTM-003006-1

Keywordsaccess, broadband, cable, data, IP, IPCable,
modem

ETSI650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

iteh Standards
(<https://standards.iteh.ai>)
Document Preview

Important notice

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

http://portal.etsi.org/chaicor/ETSI_support.asp

Copyright Notification

No part may be reproduced except as authorized by written permission.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2011.
All rights reserved.

DECTTM, PLUGTESTSTM, UMTSTM and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPPTM and LTETM are Trade Marks of ETSI registered for the benefit of its Members and
of the 3GPP Organizational Partners.
GSM[®] and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

Intellectual Property Rights	4
Foreword.....	4
1 Scope	5
1.1 Technology Options	5
1.2 Background	5
1.2.1 Broadband Access Network.....	5
1.2.2 Network and System Architecture	6
1.2.2.1 The DOCSIS Network	6
1.2.3 Service Goals	7
1.2.4 Statement of Compatibility	7
1.2.5 Reference Architecture	7
2 References	8
2.1 Normative references	8
2.2 Informative references	8
3 Definitions and abbreviations.....	9
3.1 Definitions	9
3.2 Abbreviations	9
4 Overview of the multi-part deliverable	9
4.1 Part 1: General; DOCSIS 3.0.....	9
4.2 Part 2: Physical Layer; DOCSIS 3.0	9
4.3 Part 3: Downstream Radio Frequency Interface; DOCSIS 3.0.....	10
4.4 Part 4: MAC and Upper Layer Protocols; DOCSIS 3.0	10
4.5 Part 5: Security Services; DOCSIS 3.0	10
History	11

ETSI EN 302 878-1 V1.1.1 (2011-11)

<https://standards.iteh.ai/catalog/standards/etsi/6e8d020d-e9ea-4106-8e05-80ac3bd08582/etsi-en-302-878-1-v1-1-1-2011-11>