

# ETSI EN 301 816-1 V1.1.1 (2000-11)

---

*European Standard (Telecommunications series)*

**Broadband Integrated Services Digital Network (B-ISDN);  
AAL type 2 Signalling protocol;  
Capability Set 1;  
Part 1: Protocol specification**

[ITU-T Recommendation Q.2630.1 (1999), modified]

---



---

**Reference**

DEN/SPAN-05211-1

---

**Keywords**

B-ISDN, AAL, protocol, CS1

**ETSI**

650 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

---

**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://www.etsi.org/tb/status/>

If you find errors in the present document, send your comment to:  
editor@etsi.fr

---

**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 2000.  
All rights reserved.

---

# Contents

Intellectual Property Rights .....	4
Foreword .....	4
Endorsement notice .....	5
History .....	6

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.org/ipr>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

---

## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document is part 1 of a multi-part standard covering the User-Network Interface (UNI) and the Network-Network Interface (NNI) signalling protocol specification for the Broadband Integrated Services Digital Network (B-ISDN) for AAL type 2 bearer connection control, as described below:

- Part 1:** "**Protocol specification [ITU-T Recommendation Q.2630.1 (1999), modified]**";
- Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";
- Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

<b>National transposition dates</b>	
Date of adoption of this EN:	24 November 2000
Date of latest announcement of this EN (doa):	28 February 2001
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 August 2001
Date of withdrawal of any conflicting National Standard (dow):	31 August 2001

---

## Endorsement notice

ITU-T Recommendation Q.2630.1 (1999) applies, with the following modifications:

### Clause 1 (Scope)

Replace the first paragraph of Clause 1 with:

The present document specifies the signalling protocol applicable between AAL type 2 nodes and describes nodal functions that are used to control AAL type 2 point-to-point bearer connections.

The AAL type 2 signalling protocol specified in the present document is usable in switched and non-switched environments and can operate in public or private networks over a range of signalling transport protocol stacks.

It also provides maintenance capabilities, carriage of user-plane protocol stack information and carriage of an identifier to link the connection control protocol with other higher layer control protocols.

The present document describes the AAL type 2 signalling protocol that supports the dynamic establishment and release of individual AAL type 2 point-to-point bearer connections. It also describes the maintenance procedures, the framework of the protocol, and the interactions between an AAL type2 signalling protocol entity and:

- the signalling protocol user;
- a signalling transport converter; and
- the layer management.

Further parts of the present document specify the method of testing required to identify conformance to the present document.

### Clause 2.1 (Normative references)

Replace the first paragraph with:

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

### Annex A (Support for non-switched scenario)

This annex is informative.

---

## History

<b>Document history</b>		
V1.1.1	July 2000	One-step Approval Procedure OAP 20001124: 2000-07-26 to 2000-11-24
V1.1.1	November 2000	Publication