

INTERNATIONAL
STANDARD

ISO/IEC
10022

Second edition
1996-09-01

**Information technology — Open Systems
Interconnection — Physical Service
Definition**

*Technologies de l'information — Interconnexion de systèmes ouverts
(OSI) — Définition du service physique*



Reference number
ISO/IEC 10022:1996(E)

Contents

	<i>Page</i>
1 Scope	1
2 Normative references	1
2.1 Identical Recommendations International Standards	1
3 Definitions	1
3.1 Basic Reference Model definitions	1
3.2 Service convention definitions	2
4 Abbreviations	2
5 Conventions	2
5.1 General conventions	2
5.2 Parameters	2
5.3 PhC endpoint identification convention	3
6 Overview and general characteristics	3
7 Features of the Physical Service	3
7.1 The Physical Service offers the following features to a PhS user	3
7.2 Other aspects of the Physical Service include	4
8 Classes of Physical Service	4
9 Model of the Physical Service	4
9.1 Model of the layer service	4
9.2 Model of a point-to-point PhC	5
9.3 Model of a relayed point-to-point PhC where the relay is controlled within the PhS Provider	5
9.4 Model of a relayed point-to-point PhC where the relay is controlled from the Network Layer	6
10 Quality of Physical Service	6
10.1 Definition of PhC QOS	6
10.2 Determination of QOS values	8
11 Sequence of primitives	8
11.1 Relation of primitives at the two PhC endpoints	8
11.2 Sequence of primitives at one PhC endpoint	8
12 PhC activation phase	14
12.1 Function	14
12.2 Types of primitives and parameters	14
12.3 Sequence of primitives	14

© ISO/IEC 1996

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

ISO/IEC Copyright Office • Case postale 56 • CH-1211 Genève 20 • Switzerland
 Printed in Switzerland

13	PhC deactivation phase	14
13.1	Function	14
13.2	Types of primitives and parameters	14
13.3	Sequence of primitives.....	14
14	Data transfer phase.....	17
14.1	Function	17
14.2	Types of primitives and parameters	17
14.3	Sequence of primitives.....	17
Annex A	Internal structure of the Physical Layer	18
A.1	Introduction.....	18
A.2	Classifications regarding multiplexing	18
A.3	Isochronous transmission.....	18
Annex B	Operation of data link protocol using the half-duplex physical service.....	20
B.1	Introduction.....	20
B.2	Operation	20
Annex C	Composite state transition diagram	23
C.1	Introduction.....	23