

# INTERNATIONAL STANDARDIZED PROFILE

**ISO/IEC**  
**ISP**  
**10609-9**

First edition  
1992-09-15

**AMENDMENT 1**  
1998-08-01

---

---

## **Information technology — International Standardized Profiles TB, TC, TD and TE — Connection-mode Transport Service over connection-mode Network Service —**

### **Part 9:**

Subnetwork-type dependent requirements for  
Network Layer, Data Link Layer and Physical  
Layer concerning permanent access to a  
packet switched data network using virtual  
calls

### **AMENDMENT 1: Reference Optional Security Requirements — TB/TC/TD/TEnn**

*Technologies de l'information — Profils normalisés internationaux TB, TC,  
TD et TE — Service de transport en mode connexion sur service de réseau  
en mode connexion —*

*Partie 9: Spécifications de la couche Réseau, de la couche Liaison de  
données et de la couche physique dépendant du type de sous-réseau,  
concernant l'accès permanent à un réseau de données à commutation par  
paquets utilisant des appels virtuels*

*AMENDEMENT 1: Exigences de sécurité optionnelle de référence —  
TB/TC/TD/TEnn*



Reference number  
ISO/IEC ISP 10609-9:1992/Amd.1:1998(E)

## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. In addition to developing International Standards, ISO/IEC JTC 1 has created a Special Group on Functional Standardization for the elaboration of International Standardized Profiles.

An International Standardized Profile is an internationally agreed, harmonized document which identifies a standard or group of standards, together with options and parameters, necessary to accomplish a function or a set of functions.

Draft International Standardized Profiles are circulated to national bodies for voting. Publication as an International Standardized Profile requires approval by at least 75 % of the national bodies casting a vote.

Amendment 1 to ISO/IEC ISP 10609-9:1992 was prepared with the collaboration of

- Asia-Oceania Workshop (AOW);
- European Workshop for Open Systems (EWOS);
- Open Systems Environment Implementors' Workshop (OIW).

© ISO/IEC 1998

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

## Information technology — International Standardized Profiles TB, TC, TD and TE — Connection-mode Transport Service over connection-mode Network Service —

### Part 9:

Subnetwork-type dependent requirements for Network Layer, Data Link Layer and Physical Layer concerning permanent access to a packet switched data network using virtual calls

### AMENDMENT 1: Reference Optional Security Requirements - TB/TC/TD/TEnn

*Add new Clause:*

## 8 Location of Optional Security Requirements

Additional requirements are specified in subsequent parts of ISO/IEC ISP 10609 for the provision of security services (e.g. confidentiality, integrity, authentication) with the communications services provided by the profiles defined in ISO/IEC ISP 10609. The provision of these security requirements is optional.

Optional requirements for provision of security are specified in:

ISO/IEC ISP 10609-16:<sup>1)</sup> *Information technology -- International Standardized Profiles TB, TC, TD and TE -- Connection-mode Transport service over Connection-mode Network Service -- Part 16: Security employing the Network Layer Security Protocol - Connection-mode with No-header, for TB, TC, TD and TE profiles*

or

ISO/IEC ISP 10609-17:<sup>1)</sup> *Information technology -- International Standardized Profiles TB, TC, TD and TE -- Connection-mode Transport service over Connection-mode Network Service -- Part 17: Security employing the Network Layer Security Protocol -- Connection-mode with SDT-PDU based protection, for TB, TC, TD and TE profiles*

Note: The strength of the protection provided by these profiles will be dependent on factors outside the scope of the profile (e.g. strength of algorithm). However, all other aspects being equal, profiles implementing ISO/IEC 10609-16 involve less of a protocol overhead whereas profiles implementing ISO/IEC 10609-17 provide more sophisticated protection services.

---

<sup>1)</sup> To be published