BRITISH STANDARD

BS ISO 18185-5:2007

Freight containers — Electronic seals —

Part 5: Physical layer

ICS 55.180.10

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI Documents
Document Sharing Hub
British Standards

Full document details: BS ISO 18185-5:2007

National foreword

This British Standard was published by BSI. It is the UK implementation of ISO 18185-5:2007.

The UK participation in its preparation was entrusted to Technical Committee TW/1, Freight containers and swap bodies.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2007

© BSI 2007

ISBN 978 0 580 50834 9

Amendments issued since publication

Amd. No.	Date	Comments

Documents
Document Sharing Hub

Full document details: BS ISO 18185-5:2007

INTERNATIONAL STANDARD

ISO 18185-5

First edition
2007-05-01

Freight containers — Electronic seals —

Part 5: Physical layer

Conteneurs pour le transport de marchandises — Scellés électroniques —

Partie 5: Couche physique

Reference number
ISO 18185-5:2007(E)

Documents
Document Sharing Hub

Full document details: BS ISO 18185-5:2007

Documents
Document Sharing Hub

Full document details: BS ISO 18185-5:2007

Contents

Page

Foreword iv
Introduction v
1 Scope 1
2 Normative references 1
3 Terms and definitions 2
4 Physical layer for electronic seals 2
4.1 General 2
4.2 Type A physical layer protocol 3
4.3 Type B physical layer protocol 6
Bibliography 10

Documents
Document Sharing Hub

Full document details: BS ISO 18185-5:2007

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 18185-5 was prepared by Technical Committee ISO/TC 104, *Freight containers*, Subcommittee SC 4, *Identification and communication*.

ISO 18185 consists of the following parts, under the general title *Freight containers — Electronic seals*:

— *Part 1: Communication protocol*

— *Part 2: Application requirements*

— *Part 3: Environmental characteristics*

— *Part 4: Data protection*

— *Part 5: Physical layer*

Documents
Document Sharing Hub

Full document details: BS ISO 18185-5:2007