INTERNATIONAL STANDARD

ISO/IEC 10729-1

First edition
1993-09-01

Information technology — Open Systems Interconnection — Conformance test suite for the presentation layer —

Part 1:
Test suite structure and test purposes for the presentation protocol

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Suite d'essais de conformité pour la couche présentation —

Partie 1: Structure de la suite d'essais et objets des essais pour le protocole de présentation

Reference number
ISO/IEC 10729-1:1993(E)

Contents

Foreword vi
Introduction vii

1 Scope 1
2 Normative references 1
3 Definitions 1
3.1 Reference model definitions 1
3.2 Service conventions definitions 2
3.3 Session service definitions 2
3.4 Presentation service definitions 2
3.5 Presentation protocol definitions 2
3.6 Conformance testing methodology and framework definitions 2
4 Abbreviations 2
4.1 Data units 2
4.2 Types of presentation-protocol-data-units 3
4.3 Other abbreviations 3
5 Compliance 3
6 Testing methodology 3
6.1 Introduction 3
6.2 Relationship between the TSS &TP and abstract test suites 3
6.3 Test selection 3
6.4 Verdicts 3
6.5 Test suite coverage 3
7 Test suite structure 4
8 Naming conventions 4
9 Precedence 6
10 Basic interconnection tests 6
11 Capability tests (CA) 6
11.1 CA/Kernel functional unit (KE) 6
11.1.1 CA/KE/Connection Establishment (CE) 6
11.1.1.1 CA/KE/CE/Initiator (I) 6

© ISO/IEC 1993

All rights reserved. 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

11.1.1.2 CA/KE/CE/Responder (R) 6
11.1.2 CA/KE/Connection Abort (CA) 6
11.2 CA/Context Management Functional Unit (CM) 6
11.2.1 CA/CM/Context Alteration (CA) 6
11.2.1.1 CA/CM/CA/Initiator (I) 6
11.2.1.2 CA/CM/CA/Responder (R) 6
11.2.2 CA/CM/Resynchronize (RS) 7
11.3 CA/Context Restoration Functional Unit (CR) 7
11.3.1 CA/CR/IUT as initiator (I) 7
11.3.2 CA/CR/IUT as responder (R) 7
12 Valid behaviour tests (BV) 7
12.1 BV/State/Event Intersections (SE) 7
12.1.1 BV/SE/Connection Establishment (CE) 7
12.1.1.1 BV/SE/CE/STAI0 (I0) 7
12.1.1.2 BV/SE/CE/STAI1 (I1) 7
12.1.1.3 BV/SE/CE/STAI2 (I2) 8
12.1.2 BV/SE/Connection Release Normal (CRN) 8
12.1.3 BV/SE/Connection Release Abort (CRA) 8
12.1.4 BV/SE/Context management (CM) 8
12.1.4.1 BV/SE/CM/Await ACA (ac0) 8
12.1.4.2 BV/SE/CM/Await P-ALTERrsp (ac1) 8
12.1.4.3 BV/SE/CM/Await ACA or P-ALTERrsp (ac2) 8
12.1.4.4 BV/SE/CM/Connected Data Transfer (t0) 8
12.1.5 BV/SE/Data Transfer (DT) 8
12.1.5.1 BV/SE/DT/Await ACA (ac0) 8
12.1.5.2 BV/SE/DT/Connected Data Transfer (t0) 9
12.1.6 BV/SE/Token Handling (TH) 9
12.1.6.1 BV/SE/TH/Await ACA (ac0) 9
12.1.6.2 BV/SE/TH/Connected Data Transfer (t0) 9
12.1.7 BV/SE/Synchronization (SY) 9
12.1.7.1 BV/SE/SY/Await ACA (ac0) 9
12.1.7.2 BV/SE/SY/Connected Data Transfer (t0) 9
12.1.8 BV/SE/Activity Management and Exception Handling (AMX) 9
12.1.8.1 BV/SE/AMX/Await ACA (ac0) 9
12.1.8.2 BV/SE/AMX/Connected Data Transfer (t0) 10
12.1.9 BV/SE/Resynchronization (RS) 10
12.1.9.1 BV/SE/RS/Await ACA (ac0) 10
12.1.9.2 BV/SE/RS/Connected Data Transfer (t0) 10
12.2 BV/Parameter Variations (PV) 10
12.2.1 BV/PV/Sender (S) 10