

Reference Model of Open Systems Interconnection		ISO 7498 CCITT Recommendation X.200	
ISO DIS 7498-1	ISO 7498-2	ISO 7498-3	ISO 7498-4
Basic Reference Model <i>[second edition ballot]</i>	Security Architecture	Naming and Addressing <i>[published 89-03-01]</i>	Management Framework <i>[published 89-11-15]</i>

### Layer Independent Standards

ISO TR 8509 CCITT X.210	OSI Service Conventions <i>[published 87-09-01]</i>
ISO TR 10730	Tutorial on Naming and Addressing <i>[awaiting publication]</i>
ISO DIS 10731	Conventions for the Definition of OSI Services <i>[ballot closed 92-01-26]</i>

### Formal description techniques

ISO 8807	LOTOS – A Formal Description Technique Based on the Temporal Ordering of Observational Behaviour <i>[published 89-02-15]</i>
ISO 8807/DAM1	Amendment 1: Graphical Representation (G-LOTOS) <i>[ballot closes 92-10-30]</i>
ISO 9074	ESTELLE – A Formal Description Technique Based on an Extended State Transition Model <i>[published 89-07-15]</i>
ISO 9074/DAM1	Amendment 1: ESTELLE Tutorial <i>[ballot closed 91-11-01]</i>
ISO 9496	CCITT High-Level Language (CHILL) <i>[published 89-08-01]</i>
ISO TR 10167	Guidelines for the Application of Estelle, LOTOS, and SDL <i>[published 91-12-15]</i>

### Conformance testing

ISO 9646-1	OSI Conformance Testing Methodology and Framework, Part 1: General Concepts <i>[awaiting publication]</i>
ISO 9646-1/PDAM1	Amendment 1: Protocol Profile Testing and Methodology <i>[awaiting ballot]</i>
ISO 9646-1/PDAM2	Amendment 2: Multi-party Testing <i>[awaiting ballot]</i>
ISO 9646-2	Part 2: Abstract Test Suite Specification <i>[awaiting publication]</i>
ISO 9646-2/PDAM1	Amendment 1: Protocol Profile Testing and Methodology <i>[awaiting ballot]</i>
ISO 9646-2/PDAM2	Amendment 2: Multi-party Testing <i>[awaiting ballot]</i>
ISO 9646-3	Part 3: Tree and Tabular Combined Notation <i>[awaiting publication]</i>
ISO 9646-3/PDAM1	Amendment 1: TTCN Extensions <i>[awaiting ballot]</i>
ISO 9646-4	Part 4: Test Realization <i>[published 91-07-15]</i>
ISO 9646-4/PDAM1	Amendment 1: Protocol Profile Testing and Methodology <i>[awaiting ballot]</i>
ISO 9646-4/PDAM2	Amendment 2: Multi-party Testing <i>[awaiting ballot]</i>
ISO 9646-5	Part 5: Requirements on Test Laboratories and Their Clients for the Conformance Assessment Process <i>[awaiting publication]</i>
ISO 9646-5/PDAM1	Amendment 1: Protocol Profile Testing and Methodology <i>[awaiting ballot]</i>
ISO 9646-5/PDAM2	Amendment 2: Multi-party Testing <i>[awaiting ballot]</i>
ISO CD 9646-6	Part 6: Test Laboratory Operations <i>[awaiting ballot]</i>

ISO CD 9646-7 Part 7: Implementation Conformance Specification *[new work item]*

### *Registration authorities*

ISO 9834-1  
CCITT X.660 Procedures for Specific OSI Registration Authorities, Part 1: General Procedures *[awaiting publication]*

ISO DIS 9834-2 Part 2: Registration Procedures for OSI Document Types *[ballot closed 91-05-08]*

ISO 9834-3 Part 3: Procedures for the Assignment of Object Identifier Component Values for Joint ISO–CCITT Use *[published 90-09-27]*

ISO 9834-4 Part 4: Registration of VTE–Profiles *[published 1991]*

ISO 9834-5 Part 5: Registration of VT Control Object Definitions *[published 1991]*

ISO DIS 9834-6 Part 6: Registration of Application Process Titles and Application Entity Titles *[ballot closed 91-03-13]*

### *Abstract syntax notation*

ISO 8824  
CCITT X.208 Specification of Abstract Syntax Notation 1 (ASN.1) *[published 90-12-15; includes Addendum 1, ASN.1 Extensions]*

ISO 8824/PDAM2 Amendment 2 *[ballot closed 91-10-29]*

ISO CD 8824-2 Part 2: Information Object Specification *[awaiting ballot]*

ISO CD 8824-3 Part 3: Constraint Specification *[awaiting ballot]*

ISO CD 8824-4 Part 4: Parameterisation of ASN.1 Specifications *[awaiting ballot]*

ISO 8825  
CCITT X.209 Specification of Basic Encoding Rules for Abstract Syntax Notation 1 (ASN.1) *[published 90-12-15; includes Addendum 1, ASN.1 Extensions]*

ISO 8825/PDAM2 Amendment 2 *[ballot closed 91-10-29]*

ISO CD 8825-2 Part 2: Packed Encoding Rules *[awaiting ballot]*

ISO CD 8825-3 Part 3: Distinguished Encoding Rules *[awaiting ballot]*

### *Security*

ISO 9796 Security Techniques — Digital Signature Scheme Giving Message Recovery *[published 91-09-15]*

ISO 9798-1 Security Techniques — Entity Authentication Mechanisms, Part 1: General Model *[published 91-09-15]*

ISO CD 9798-2 Security Techniques — Entity Authentication Mechanisms, Part 2: Entity Authentication using Symmetric Techniques

ISO CD 9798-3 Security Techniques — Entity Authentication Mechanisms, Part 3: Entity Authentication using Public Key Algorithms

ISO 9979 Data Cryptographic Techniques — Procedures for the Registration of Cryptographic Algorithms *[published 1991]*

ISO CD 10181-1 Security Frameworks, Part 1: Overview

ISO DIS 10181-2 Part 2: Authentication *[ballot closed 91-12-15]*

ISO CD 10181-3 Part 3: Access Control *[second CD ballot closed 91-10-18]*

ISO CD 10181-4 Part 4: Non-repudiation *[working draft]*

ISO CD 10181-5 Part 5: Confidentiality *[working draft]*

ISO CD 10181-6 Part 6: Integrity *[working draft]*

ISO CD 10181-7 Part 7: Security Audit *[ballot closed 91-12-10]*

ISO DIS 10745 Upper Layers Security Model *[ballot closes 93-01-02]*

*Character sets*

- ISO DIS 10646-1 Universal Multiple-octet Coded Character Set (UCS), Part 1: Architecture and Basic Multilingual Plane *[ballot closed 92-06-30]*

**Multi-layer Standards (Profiles)**

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- ISO TR 10000-1 Framework and Taxonomy of International Standardized Profiles, Part 1: Framework *[published 90-05-15]*
- ISO TR 10000-2 Part 2: Taxonomy of Profiles *[published 90-06-01]*
- ISO ISP 10607-1 International Standardized Profile AFTnn — File Transfer, Access, and Management, Part 1: Specification of ACSE, Presentation, and Session protocols for the use of FTAM *[published 1990]*
- ISO ISP 10607-2 Part 2: Definition of Document Types, Constraint Sets, and Syntaxes *[published 1990]*
- ISO ISP 10607-2/Am. 1 Amendment 1: Additional Definitions *[published 1991]*
- ISO ISP 10607-3 Part 3: AFT11 — Simple File Transfer Service (unstructured) *[published 1990]*
- ISO ISP 10607-4 Part 4: AFT12 — Positional File Transfer Service (flat) *[published 1991]*
- ISO ISP 10607-5 Part 5: AFT22 — Positional File Access Service (flat) *[published 1991]*
- ISO ISP 10607-6 Part 6: AFT3 — File Management Service *[published 1991]*
- ISO PDISP 10608-1 International Standardized Profile TA — Connection-mode Transport Service over Connectionless Network Service, Part 1: General Overview and Subnetwork-independent Requirements *[ballot closed 91-01-12]*
- ISO PDISP 10608-2 Part 2: TA51 Profile (COTS over CLNS) Including Subnetwork-dependent Requirements for CSMA/CD LANs *[ballot closed 91-01-12]*
- ISO PDISP 10608-3 Part 3: TA52 Profile Including Subnetwork-dependent Requirements for Token Bus LANs *[awaiting ballot]*
- ISO PDISP 10608-4 Part 4: TA53 Profile Including Subnetwork-dependent Requirements for Token Ring LANs *[awaiting ballot]*
- ISO PDISP 10608-5 Part 5: TA1111/TA1121 Profiles Including Subnetwork-dependent Requirements for X.25 Packet Switched Data Networks Using Switched Virtual Circuits *[ballot closed 91-01-12]*
- ISO ISP 10609-1 International Standardized Profiles TB, TC, TD, and TE — Connection-mode Transport Service over Connection-mode Network Service, Part 1: Subnetwork-type Independent Requirements for Group TB *[awaiting publication]*
- ISO ISP 10609-2 Part 2: Subnetwork-type Independent Requirements for Group TC *[awaiting publication]*
- ISO ISP 10609-3 Part 3: Subnetwork-type Independent Requirements for Group TD *[awaiting publication]*
- ISO ISP 10609-4 Part 4: Subnetwork-type Independent Requirements for Group TE *[awaiting publication]*
- ISO ISP 10609-5 Part 5: Definition of Profile TB 1111/TB 1121 *[awaiting publication]*
- ISO ISP 10609-6 Part 6: Definition of Profile TC 1111/TC 1121 *[awaiting publication]*
- ISO ISP 10609-7 Part 7: Definition of Profile TD 1111/TD 1121 *[awaiting publication]*
- ISO ISP 10609-8 Part 8: Definition of Profile TE 1111/TE 1121 *[awaiting publication]*

ISO ISP 10609-9	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 Call <i>[awaiting publication]</i>
ISO DISP 10610-1	International Standardized Profile FOD11 — Office Document Format — Simple Document Structure — Character Content Only, Part 1: Document Application Profile <i>[ballot closed 92-03-29]</i>
ISO PDISP 10611-1	International Standardized Profile AMH11 — Access to Public and Private MHS Common Facilities, Part 1: End-user to MTS and MTA <i>[working draft]</i>
ISO PDISP 10612-1	International Standardized Profile RD51.51 — Relaying the MAC Service using Transparent Bridging, Part 1: CSMA/CD — CSMA/CD <i>[working draft]</i>
ISO DISP 11181-1	International Standardized Profile FOD26 — Office Document Format — Enhanced Document Structure — Character, Raster Graphics, and Geometric Graphics Content Architectures, Part 1: Document Application Profile <i>[ballot closed 92-03-29]</i>
ISO DISP 11182-1	International Standardized Profile FOD36 — Office Document Format — Extended Document Structure, Part 1: Document Application Profile <i>[ballot closed 92-03-29]</i>
ISO DISP 11183-1	International Standardized Profiles AOMnn — Management Communication Protocols, Part 1: Specification of ACSE, Presentation, and Session Protocols for Use by ROSE and CMISE <i>[ballot closed 92-03-29]</i>
ISO DISP 11183-2	International Standardized Profiles AOMnn — Management Communication Protocols, Part 2: AOM12, Enhanced Management Communications <i>[ballot closed 92-03-29]</i>
ISO DISP 11183-3	International Standardized Profiles AOMnn — Management Communication Protocols, Part 3: AOM11, Basic Management Communications <i>[ballot closed 92-03-29]</i>

## Application Layer Standards

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ISO 9545 CCITT X.207	Application Layer Structure <i>[published 89-12-15]</i>
ISO 9545/DAM1	Amendment 1: Extended Application Layer Structures <i>[ballot closed 92-04-24]</i>

### *Association control (ACSE)*

ISO 8649 CCITT X.217	Service Definition for the Association Control Service Element <i>[published 88-12-15]</i>
ISO 8649/Am. 1	Amendment 1: Peer-entity Authentication during Association Establishment <i>[published 1990]</i>
ISO 8649/Am. 2	Amendment 2: Connectionless ACSE Service <i>[published 91-09-01]</i>
ISO 8650 CCITT X.227	Protocol Specification for the Association Control Service Element <i>[published 88-12-15]</i>
ISO 8650/Am. 1	Amendment 1: Peer-entity Authentication during Association Establishment <i>[published 1990]</i>
ISO DIS 8650-2	Part 2: PICS Proforma <i>[awaiting ballot]</i>
ISO 10035	Connectionless ACSE Protocol Specification <i>[published 91-07-15]</i>
ISO 10169-1	Conformance Test Suite for the ACSE Protocol, Part 1: Test Suite Structure and Test Purposes <i>[published 91-12-15]</i>

## *Security*

ISO CD xxxxx-1	Generic Upper Layer Security, Part 1: Model <i>[working draft]</i>
ISO CD xxxxx-2	Part 2: Service Definition <i>[working draft]</i>
ISO CD xxxxx-3	Part 3: Protocol Specification <i>[working draft]</i>
ISO CD xxxxx-4	Part 4: PICS Proforma <i>[working draft]</i>
ISO CD xxxxx-5	Part 5: Generic Transfer Syntax, Encoding Procedures, and Syntax Notation <i>[working draft]</i>

## *Commitment, concurrency, and recovery (CCR)*

ISO 9804 CCITT X.861	Service Definition for the Commitment, Concurrency, and Recovery Service Element <i>[published 1990]</i>
ISO 9804/PDAM1	Amendment 1: Service Enhancements
ISO 9804/DAM2	Amendment 2: Support for Session Mapping Changes <i>[ballot closed 92-01-19]</i>
ISO 9805 CCITT X.871	Protocol Specification for the Commitment, Concurrency, and Recovery Service Element <i>[published 1990]</i>
ISO 9805/PDAM1	Amendment 1: Service Enhancements
ISO 9805/DAM2	Amendment 2: Support for Session Mapping Changes <i>[ballot closed 92-01-19]</i>
ISO CD 9805-2	Part 2: PICS Proforma <i>[awaiting second CD ballot]</i>

## *Reliable transfer (RTS)*

ISO 9066-1 CCITT X.218	Reliable Transfer, Part 1: Model and Service Definition <i>[published 89-11-15]</i>
ISO 9066-2 CCITT X.228	Part 2: Protocol Specification <i>[published 89-11-15]</i>

## *Remote operations (ROS)*

ISO 9072-1 CCITT X.219	Remote Operations, Part 1: Model, Notation, and Service Definition <i>[published 89-11-15]</i>
ISO 9072-2 CCITT X.229	Part 2: Protocol Specification <i>[published 89-11-15]</i>

## *Remote procedure call (RPC)*

ISO CD 11578-1	Remote Procedure Call Specification, Part 1: Model <i>[ballot closed 92-03-20]</i>
ISO CD 11578-2	Part 2: Service Definition <i>[ballot closed 92-03-20]</i>
ISO CD 11578-3	Part 3: Protocol Specification <i>[ballot closed 92-03-20]</i>
ISO CD 11578-4	Part 4: Interface Definition Notation <i>[ballot closed 92-03-20]</i>
ISO CD 11578-5	Part 5: PICS Proforma <i>[working draft]</i>

## *Management*

ISO 9595 CCITT X.710	Common Management Information Service (CMIS) Definition <i>[published 90-07-16]</i>
ISO 9595/DAM1	Amendment 1: Cancel/Get
ISO 9595/DAM2	Amendment 2: Add, Remove, and SetToDefault
ISO 9595/PDAM3	Amendment 3: Support for Allomorphism
ISO 9595/DAM4	Amendment 4: Access Control <i>[ballot closed 92-01-19]</i>

ISO 9596 CCITT X.711	Common Management Information Protocol (CMIP) Specification <i>[second edition published 91-06-01]</i>
ISO 9596/DAM1	Amendment 1: Cancel/Get
ISO 9596/DAM2	Amendment 2: Add, Remove, and SetToDefault
ISO 9596/PDAM3	Amendment 3: Support for Allomorphism
ISO DIS 9596-2	Part 2: PICS Proforma <i>[ballot closed 92-01-01]</i>
ISO 10040 CCITT X.701	Systems Management Overview <i>[awaiting publication]</i>
ISO DIS 10164-1 CCITT X.730	Systems Management, Part 1: Object Management Function <i>[ballot closed 91-03-13]</i>
ISO DIS 10164-2 CCITT X.731	Part 2: State Management Function <i>[ballot closed 91-03-13]</i>
ISO DIS 10164-3 CCITT X.732	Part 3: Attributes for Representing Relationships <i>[ballot closed 91-03-13]</i>
ISO DIS 10164-4 CCITT X.733	Part 4: Alarm Reporting Function <i>[ballot closed 91-03-13]</i>
ISO DIS 10164-5 CCITT X.734	Part 5: Event Report Management Function <i>[ballot closed 91-03-13]</i>
ISO DIS 10164-6 CCITT X.735	Part 6: Log Control Function <i>[ballot closed 91-03-13]</i>
ISO 10164-7 CCITT X.736	Part 7: Security Alarm Reporting Function <i>[published 92-07]</i>
ISO DIS 10164-8 CCITT X.740	Part 8: Security Audit Trail Function <i>[ballot closed 92-01-01]</i>
ISO CD 10164-9 CCITT X.741	Part 9: Objects and Attributes for Access Control
ISO DIS 10164-10 CCITT X.742	Part 10: Accounting Meter Function <i>[ballot closes 93-02-06]</i>
ISO DIS 10164-11 CCITT X.739	Part 11: Workload Monitoring Function <i>[ballot closes 92-09-02]</i>
ISO DIS 10164-12 CCITT X.745	Part 12: Test Management Function <i>[ballot closed 92-07-01]</i>
ISO CD 10164-13 CCITT X.738	Part 13: Measurement Summarization Function <i>[awaiting ballot]</i>
ISO CD 10164- <i>sm</i> CCITT X.744	Part <i>sm</i> : Software Management Function <i>[working draft]</i>
ISO CD 10164- <i>tc</i> CCITT X.737	Part <i>tc</i> : Confidence and Diagnostic Test Classes <i>[working draft]</i>
ISO CD 10164- <i>ti</i> CCITT X.743	Part <i>ti</i> : Time Management Function <i>[working draft]</i>
ISO DIS 10165-1 CCITT X.720	Structure of Management Information, Part 1: Management Information Model <i>[ballot closed 91-03-13]</i>
ISO DIS 10165-2 CCITT X.721	Part 2: Definition of Management Information (replaces original parts 2 and 3) <i>[ballot closed 91-03-13]</i>
ISO DIS 10165-4 CCITT X.722	Part 4: Guidelines for the Definition of Managed Objects <i>[ballot closed 91-03-13]</i>

- ISO CD 10165-5 Part 5: Generic Management Information *[ballot closed 91-12-15]*
- ISO CD 10165-6 Part 6: Requirements and Guidelines for Management Information Conformance Statement Proformas *[awaiting ballot]*

### *File transfer, access, and management (FTAM)*

- ISO 8571-1 File Transfer, Access, and Management (FTAM), Part 1: General Introduction *[published 88-10-01]*
- ISO 8571-1/Am. 1 Amendment 1: Filestore Management *[awaiting publication]*
- ISO 8571-1/DAM2 Amendment 2: Overlapped Access *[ballot closed 91-10-27]*
- ISO 8571-1/PDAM3 Amendment 3: Service Enhancement
- ISO 8571-2 Part 2: The Virtual Filestore Definition *[published 88-10-01]*
- ISO 8571-2/Am. 1 Amendment 1: Filestore Management *[awaiting publication]*
- ISO 8571-2/DAM2 Amendment 2: Overlapped Access *[ballot closed 91-10-27]*
- ISO 8571-2/PDAM3 Amendment 3: Service Enhancement
- ISO 8571-3 Part 3: The File Service Definition *[published 88-10-01]*
- ISO 8571-3/Am. 1 Amendment 1: Filestore Management *[awaiting publication]*
- ISO 8571-3/DAM2 Amendment 2: Overlapped Access *[ballot closed 91-10-27]*
- ISO 8571-3/PDAM3 Amendment 3: Service Enhancement
- ISO 8571-4 Part 4: The File Protocol Specification *[published 88-10-01]*
- ISO 8571-4/Am. 1 Amendment 1: Filestore Management *[awaiting publication]*
- ISO 8571-4/DAM2 Amendment 2: Overlapped Access *[ballot closed 91-10-27]*
- ISO 8571-4/PDAM3 Amendment 3: Service Enhancement
- ISO 8571-5 Part 5: PICS Proforma *[published 1990]*
- ISO 8571-5/PDAM1 Amendment 1: Filestore Management and Overlapped Access *[working draft]*
- ISO DIS 10170-1 Conformance Test Suite for the FTAM Protocol, Part 1: Test Suite Structure and Test Purposes *[ballot closed 91-05-08]*

### *Virtual terminal (VT)*

- ISO 9040 Virtual Terminal Service — Basic Class *[published 1990; includes Addendum 1, Extended Facility Set]*
- ISO 9040/Am. 2 Amendment 2: Additional Functional Units *[awaiting publication]*
- ISO 9041 Virtual Terminal Protocol — Basic Class *[published 1990; includes Addendum 1, Extended Facility Set]*
- ISO 9041/Am. 2 Amendment 2: Additional Functional Units *[awaiting publication]*
- ISO DIS 9041-2 Part 2: PICS Proforma *[ballot closed 91-10-25]*
- ISO DIS 10184-1 Terminal Management, Part 1: Model *[awaiting ballot]*
- ISO CD 10184-2 Part 2: Service Definition *[working draft]*
- ISO CD 10184-3 Part 3: Protocol Specification *[working draft]*
- ISO DIS 10739-1 Conformance Test Suite for Virtual Terminal, Part 1: Test Suite Structure and Test Purposes *[ballot closed 92-07-01]*

### *Job transfer and manipulation (JTM)*

- ISO 8831 JTM Concepts and Services *[published 89-07-01]*
- ISO 8832 Specification of the Basic Class Protocol for JTM *[published 89-07-01]*

ISO 8832/DAM1 Amendment 1: Full Class Protocol for Job Transfer and Manipulation [*ballot closed 91-04-11*]

### *The directory*

ISO 9594-1  
CCITT X.500 The Directory, Part 1: Overview of Concepts, Models, and Services [*published 1990*]

ISO 9594-1/DAM1 Amendment 1: Replication, Schema, and Access Control [*ballot closes 92-09-05*]

ISO 9594-2  
CCITT X.501 Part 2: Information Framework [*published 1990*]

ISO 9594-2/DAM1 Amendment 1: Access Control [*ballot closes 92-09-05*]

ISO 9594-2/DAM2 Amendment 2: Schema Extensions [*ballot closes 92-09-05*]

ISO 9594-2/DAM3 Amendment 3: Replication [*ballot closes 92-09-05*]

ISO 9594-3  
CCITT X.511 Part 3: Access and System Services Definition [*published 1990*]

ISO 9594-3/DAM1 Amendment 1: Access Control [*ballot closes 92-09-05*]

ISO 9594-3/DAM2 Amendment 2: Replication, Schema, and Enhanced Search [*ballot closes 92-09-05*]

ISO 9594-4  
CCITT X.518 Part 4: Procedures for Distributed Operation [*published 1990*]

ISO 9594-4/DAM1 Amendment 1: Access Control [*ballot closes 92-09-05*]

ISO 9594-4/DAM2 Amendment 2: Replication, Schema, and Enhanced Search [*ballot closes 92-09-05*]

ISO 9594-5  
CCITT X.519 Part 5: Access and System Protocols Specification [*published 1990*]

ISO 9594-5/DAM1 Amendment 1: Replication [*ballot closes 92-09-05*]

ISO 9594-6  
CCITT X.520 Part 6: Selected Attribute Types [*published 1990*]

ISO 9594-6/DAM1 Amendment 1: Schema Extensions [*ballot closes 92-09-05*]

ISO 9594-7  
CCITT X.521 Part 7: Selected Object Classes [*published 1990*]

ISO 9594-7/DAM1 Amendment 1: Schema Extensions [*ballot closes 92-09-05*]

ISO 9594-8  
CCITT X.509 Part 8: Authentication Framework [*published 1990*]

ISO 9594-8/DAM1 Amendment 1: Access Control [*ballot closes 92-09-05*]

ISO DIS 9594-9 Part 9: Replication and Knowledge Management [*ballot closes 92-09-05*]

### *Message handling (MHS)*

ISO 10021-1  
CCITT X.400 Message Oriented Text Interchange System (MOTIS) [Message Handling], Part 1: System and Service Overview [*published 1990*]

ISO 10021-2  
CCITT X.402 Part 2: Overall Architecture [*published 1990*]

ISO 10021-2/DAM1 Amendment 1: Representation of O/R Addresses for Human Exchange [*ballot closes 92-12-04*]

CCITT X.403 Message Handling: Conformance Testing

ISO 10021-3  
CCITT X.407 Part 3: Abstract Service Definition Conventions [*published 1990*]

CCITT X.408 Message Handling: Encoded Information Type Conversion Rules



ISO 10021-4 CCITT X.411	Part 4: Message Transfer System — Abstract Service Definition and Procedures <i>[published 1990]</i>
ISO 10021-5 CCITT X.413	Part 5: Message Store — Abstract Service Definition <i>[ballot closed 88-12-30]</i>
ISO 10021-6 CCITT X.419	Part 6: Protocol Specifications <i>[published 1990]</i>
ISO 10021-7 CCITT X.420	Part 7: Interpersonal Messaging System <i>[published 1990]</i>
ISO 10021-7/Am. 1	Amendment 1: Minor Enhancements <i>[published 92-07-30]</i>
ISO CD 10021-11	Part 11: MTS Routing <i>[ballot closed 91-05-27]</i>
CCITT X.435	MHS Application for EDI Messaging

*Office document architecture (ODA) and interchange format (ODIF)  
Document transfer, access, and manipulation (DTAM)*

CCITT T.400	Document Transfer, Access, and Manipulation (DTAM) – General Introduction
ISO 8613-1 CCITT T.411	Text and Office Systems – Office Document Architecture and Interchange Format, Part 1: Introduction and General Principles <i>[published 89-09-01]</i>
ISO 8613-1/DAM1	Amendment 1: Document Application Profile Proforma and Notation <i>[ballot closed 90-07-01]</i>
ISO 8613-1/DAM2	Amendment 2: Conformance Testing Methodology
ISO 8613-2 CCITT T.412	Part 2: Document Structures <i>[published 89-09-01]</i>
ISO 8613-4 CCITT T.414	Part 4: Document Profile <i>[published 89-09-01]</i>
ISO 8613-4/PDAM1	Amendment 1: Additive Extensions for Filing and Retrieval Attributes
ISO 8613-4/PDAM2	Amendment 2: Document Application Profile Proforma and Notation
ISO 8613-5 CCITT T.415	Part 5: Document Interchange Format <i>[published 89-09-01]</i>
ISO 8613-6 CCITT T.416	Part 6: Character Content Architectures <i>[published 89-09-01]</i>
ISO 8613-7 CCITT T.417	Part 7: Raster Graphics Content Architectures <i>[published 89-09-01]</i>
ISO 8613-7/DAM1	Amendment 1: Tiled Raster Graphics Content Architectures
ISO 8613-8 CCITT T.418	Part 8: Geometric Graphics Content Architectures <i>[published 89-09-01]</i>
ISO CD 8613-9	Part 9: Audio Content Architectures
ISO 8613-10	Part 10: Formal Specifications <i>[published 1991]</i>
ISO 8613-10/Am. 1	Amendment 1: Formal Specification of the Document Profile <i>[published 1991]</i>
ISO 8613-10/DAM2	Amendment 2: Formal Specification of the Raster Graphics Content Architectures <i>[ballot closed 91-04-11]</i>
ISO 8613-10/DAM3	Amendment 3: Annex C — Formal Specification of the Character Content Architectures <i>[ballot closed 92-06-12]</i>
ISO 8613-10/DAM5	Amendment 5: Formal Specification of the Defaulting Mechanism for Defaultable Attributes <i>[ballot closed 92-08-13]</i>
ISO 10033	Text and Office Systems – Office Document Interchange, Flexible Disks

ISO DIS 10175-1	Text and Office Systems – Document Printing Application, Part 1: Abstract Service Definition and Procedures [ <i>ballot closed 92-05-05</i> ]
ISO DIS 10175-2	Text and Office Systems – Document Printing Application, Part 2: Protocol Specification [ <i>ballot closed 92-05-05</i> ]
CCITT T.419	Document Transfer, Access, and Manipulation (DTAM) – Composite Graphics Content Architectures
CCITT T.431	Document Transfer, Access, and Manipulation (DTAM) – Introduction and General Principles
CCITT T.432	Document Transfer, Access, and Manipulation (DTAM) – Service Definition
CCITT T.433	Document Transfer, Access, and Manipulation (DTAM) – Protocol Specification
CCITT T.441	Document Transfer, Access, and Manipulation (DTAM) – Operational Structure

#### *Remote database access (RDA)*

ISO DIS 9579-1	Remote Database Access, Part 1: General Model, Services, and Protocol [ <i>ballot closed 92-04-03</i> ]
ISO DIS 9579-2	Part 2: SQL Specialization [ <i>ballot closed 92-04-03</i> ]

#### *Transaction processing (TP)*

ISO DIS 10026-1	Distributed Transaction Processing, Part 1: Model
ISO DIS 10026-2	Part 2: Service Definition
ISO DIS 10026-3	Part 3: Transaction Processing Protocol Specification
ISO CD 10026-4	Part 4: PICS Proforma
ISO DIS 10026-5	Part 5: Application Context Proforma [ <i>awaiting ballot</i> ]
ISO CD 10026-6	Part 6: Unstructured Data Transfer
CCITT X.850	Distributed Transaction Processing Model for OSI for CCITT Applications
CCITT X.860	Distributed Transaction Processing Service Definition for OSI for CCITT Applications
CCITT X.870	Distributed Transaction Processing Protocol for OSI for CCITT Applications

#### *Computer graphics metafile (CGM)*

ISO 8632-1	Metafile for the Storage and Transfer of Picture Description Information, Part 1: Functional Specification [ <i>published 87-08-01</i> ]
ISO 8632-1/Am. 1	Amendment 1: Audit Trail Metafile [ <i>published 1990</i> ]
ISO 8632-1/PDAM2	Amendment 2: 3D Static Picture Capture Metafile
ISO 8632-1/DAM3	Amendment 3
ISO 8632-2	Part 2: Character Encoding [ <i>published 87-08-01</i> ]
ISO 8632-2/Am. 1	Amendment 1: Audit Trail Metafile [ <i>published 1990</i> ]
ISO 8632-2/DAM3	Amendment 3
ISO 8632-3	Part 3: Binary Encoding [ <i>published 87-08-01</i> ]
ISO 8632-3/Am. 1	Amendment 1: Audit Trail Metafile [ <i>published 1990</i> ]
ISO 8632-3/DAM3	Amendment 3
ISO 8632-4	Part 4: Clear Text Encoding [ <i>published 87-08-01</i> ]
ISO 8632-4/Am. 1	Amendment 1: Audit Trail Metafile [ <i>published 1990</i> ]
ISO 8632-4/DAM3	Amendment 3

### *Graphical kernel system (GKS)*

- ISO 7942            Graphical Kernel System Functional Description [*published 1985*]
- ISO 7942/Am. 1    Amendment 1: Audit Trail Metafile [*published 1991*]
- ISO 8651-1        GKS Language Bindings, Part 1: FORTRAN [*published 88-10-11*]
- ISO 8651-2        Part 2: Pascal [*published 88-10-11*]
- ISO 8651-3        Part 3: Ada [*published 88-10-11*]
- ISO 8651-4        Part 4: C [*published 1991*]
- ISO 8805           Graphical Kernel System for Three Dimensions (GKS–3D) Functional Description [*published 88-10-11*]
- ISO 8806-4        Graphical Kernel System for Three Dimensions (GKS–3D) Language Bindings, Part 4: C [*published 1991*]
- ISO TR 9973        Registration of Graphical Items [*published 88-10-11*]

### *Programmer's hierarchical interactive graphics interface (PHIGS)*

- ISO 9592-1        Programmer's Hierarchical Interactive Graphics Interface, Part 1: Functional Description [*published 89-05-21*]
- ISO 9592-1/DAM1    Amendment 1: PHIGS Plus Support
- ISO 9592-2        Part 2: Archive File Format [*published 89-05-21*]
- ISO 9592-2/DAM1    Amendment 1: PHIGS Plus Support
- ISO 9592-3        Part 3: Clear-text Encoding for Archive File [*published 89-05-21*]
- ISO 9592-3/DAM1    Amendment 1: PHIGS Plus Support
- ISO DIS 9592-4    Part 4: PHIGS Plus
- ISO 9593-1        PHIGS Language Bindings, Part 1: FORTRAN [*published 90-08-22*]
- ISO DIS 9593-2    Part 2: Pascal
- ISO 9593-3        Part 3: ADA [*published 90-07-16*]
- ISO 9593-4        Part 4: C [*published 1991*]

### *Graphical device interfaces*

- ISO DIS 9636-1    Interfacing Techniques for Dialogues with Graphical Devices — Functional Specification, Part 1: Overview, Profiles, and Conformance
- ISO DIS 9636-2    Part 2: Control
- ISO DIS 9636-3    Part 3: Output
- ISO DIS 9636-4    Part 4: Segments
- ISO DIS 9636-5    Part 5: Input and Echoing
- ISO DIS 9636-6    Part 6: Raster

### *Fonts, text composition, and page layout*

- ISO 8879           Standard Generalized Markup Language [*published 86-10-15*]
- ISO 8879/Am. 1    Amendment 1 [*published 88-07-01*]
- ISO 9069           SGML Document Interchange Format (SDIF) [*published 88-09-15*]
- ISO 9070           Registration Procedures for Public Text Owner Identifiers [*published 90-02-01*]
- ISO 9541-1        Font and Character Information Interchange, Part 1: Architecture [*published 91-09-15*]

ISO 9541-2	Part 2: Interchange Format <i>[published 91-09-15]</i>
ISO DIS 9541-3	Part 3: Glyph Shape Representations
ISO TR 9573	Techniques for Using SGML <i>[published 88-12-01]</i>
ISO DIS 10036	Procedure for Registration of Glyph and Glyph Collection Identifiers
ISO TR 10037	Guidelines for SGML Syntax-Directed Editing Systems <i>[awaiting publication]</i>
ISO CD 10179	Document Style Semantics and Specification Language (DSSSL)
ISO CD 10180	Standard Page Description Language

### *Manufacturing message service (MMS)*

ISO 9506-1	Industrial Automation Systems – Systems Integration and Communications – Manufacturing Message Specification, Part 1: Service Definition
ISO 9506-2	Part 2: Protocol Specification

### *Distributed office applications (DOA)*

ISO 10031-1	Distributed Office Applications, Part 1: General Model
ISO 10031-2	Part 2: Referenced Data Transfer

### *Electronic data interchange (EDI)*

ISO 9735	EDIFACT Syntax Rules <i>[published 88-07-01]</i>
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### *Banking information interchange*

ISO CD 9955	Methodology and Guidelines for the Development of Application Protocols for Banking Information Interchange
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### *Library applications*

ISO 10160	Documentation — Interlibrary Loan Service Definition <i>[awaiting publication]</i>
ISO 10161	Documentation — Interlibrary Loan Protocol Specification <i>[awaiting publication]</i>
ISO 10162	Documentation — Application Service for Information Systems — Bibliographic Search, Retrieval, and Update Service <i>[awaiting publication]</i>
ISO 10163	Documentation — Application Protocol for Information Systems — Bibliographic Search, Retrieval, and Update Protocol <i>[awaiting publication]</i>

### *Document filing and retrieval*

ISO 10166-1	Document Filing and Retrieval, Part 1: Abstract Service Definition and Procedures <i>[published 1991]</i>
ISO 10166-2	Part 2: Protocol Specification <i>[published 1991]</i>

## **Presentation Layer Standards**

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ISO 8822 CCITT X.216	Connection Oriented Presentation Service Definition <i>[published 88-08-15]</i>
ISO 8822/Am. 1	Amendment 1: Connectionless-mode Presentation Service <i>[published 91-09-15]</i>
ISO 8822/PDAM2	Amendment 2: Support of Session Symmetric Synchronization Service
ISO 8822/PDAM3	Amendment 3: Unlimited User Data
ISO 8822/PDAM4	Amendment 4: Procedures for Registration of Abstract Syntaxes
ISO 8822/DAM5	Amendment 5: Incorporation of Additional Synchronization Functionality <i>[ballot closed 92-01-19]</i>

ISO 8823 CCITT X.226	Connection Oriented Presentation Protocol Specification [ <i>published 88-08-15</i> ]
ISO 8823/PDAM2	Amendment 2: Support of Session Symmetric Synchronization Service
ISO 8823/PDAM3	Amendment 3: Unlimited User Data
ISO 8823/PDAM4	Amendment 4: Procedures for Registration of Transfer Syntaxes
ISO 8823/DAM5	Amendment 5: Incorporation of Additional Synchronization Functionality [ <i>ballot closed 92-01-19</i> ]
ISO DIS 8823-2	Part 2: PICS Proforma
ISO 9576	Connectionless Presentation Protocol Specification [ <i>published 91-07-15</i> ]
ISO DIS 9576-2	Part 2: PICS Proforma [ <i>ballot closed 91-11-04</i> ]
ISO DIS 10729-1	Conformance Test Suite for the Presentation Layer, Part 1: Test Suite Structure and Test Purposes for the Presentation Protocol [ <i>ballot closed 91-12-27</i> ]
ISO CD 10729-2	Part 2: Test Suite for ASN.1 Encodings
ISO CD 10729-3	Part 3: Embedded Abstract Test Suite for CO Presentation Protocol

## Session Layer Standards

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ISO 8326 CCITT X.215	Basic Connection Oriented Session Service Definition [ <i>published 87-08-15</i> ]
ISO 8326/Add. 1	Addendum 1: Session Symmetric Synchronization
ISO 8326/Add. 2	Addendum 2: Incorporation of Unlimited User Data
ISO 8326/Am. 3	Amendment 3: Connectionless Session Service
ISO 8326/DAM4	Amendment 4: Incorporation of Additional Synchronization Functionality [ <i>ballot closed 92-01-19</i> ]
ISO 8327 CCITT X.225	Basic Connection Oriented Session Protocol Specification [ <i>published 87-08-15</i> ]
ISO 8327/Add. 1	Addendum 1: Session Symmetric Synchronization
ISO 8327/Add. 2	Addendum 2: Incorporation of Unlimited User Data
ISO 8327/DAM3	Amendment 3: Incorporation of Additional Synchronization Functionality [ <i>ballot closed 92-01-19</i> ]
ISO CD 8327-2	Part 2: PICS Proforma
ISO 9548	Connectionless Session Protocol [ <i>published 1989</i> ]
ISO CD 9548-2	Part 2: PICS Proforma
ISO TR 9571	LOTOS Description of the Session Service [ <i>published 89-11-01</i> ]
ISO TR 9572	LOTOS Description of the Session Protocol [ <i>published 89-11-01</i> ]
ISO 10168-1	Conformance Test Suite for the Session Protocol, Part 1: Test Suite Structure and Test Purposes [ <i>awaiting publication</i> ]
ISO CD 10168-2	Part 2: Generic Test Suite [ <i>working draft</i> ]
ISO CD 10168-3	Part 3: Abstract Test Suite for CS Method [ <i>working draft</i> ]
ISO DIS 10168-4	Part 4: Test Management Protocol Specification

## Transport Layer Standards

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ISO DIS 8072 CCITT X.214	Transport Service Definition [ <i>published 86-06-15; awaiting ballot on second edition</i> ]
ISO 8073 CCITT X.224	Connection Oriented Transport Protocol Specification [ <i>awaiting publication of third edition</i> ]
ISO 8073/PDAM5	Amendment 5: Provision of Non-blocking Expedited Service [ <i>working draft</i> ]
ISO 8602	Protocol for Providing the Connectionless-mode Transport Service [ <i>published 87-12-15</i> ]
ISO 8602/PDAM1	Amendment 1: PICS Proforma [ <i>awaiting ballot</i> ]
ISO TR 10023	LOTOS Description of ISO 8072 [ <i>published 92-07-01</i> ]
ISO TR 10024	LOTOS Description of ISO 8073 [ <i>published 92-07-01</i> ]
ISO 11570	Transport Protocol Identification Mechanism [ <i>awaiting publication</i> ]

### Conformance testing

ISO DIS 10025-1	Transport Protocol Conformance Testing, Part 1: General Principles
ISO CD 10025-2	Part 2: Test Suite Structure and Test Purposes
ISO 10025-3	Part 3: Transport Test Management Protocol Specification [ <i>awaiting publication</i> ]

### Management

ISO 10737	Specification of the Elements of Management Information Relating to OSI Transport Layer Standards [ <i>awaiting publication</i> ]
ISO 10737/PDAM1	Amendment 1: Specification of the Elements of Management Information Relating to NCMS [ <i>awaiting ballot</i> ]
ISO 10737/PDAM2	Amendment 2: Managed Object Conformance Statement Proforma [ <i>working draft</i> ]

### Security

ISO 10736	Transport Layer Security Protocol [ <i>awaiting publication</i> ]
ISO 10736/DAM1	Amendment 1: Security Association Establishment [ <i>awaiting ballot</i> ]

## Network Layer Standards

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ISO 8348 CCITT X.213	Network Service Definition [ <i>awaiting publication of second edition</i> ]
ISO 8348/PDAM5	Amendment 5: Group Network Addressing [ <i>ballot closes 92-12-21</i> ]
ISO 8348/PDAM6	Amendment 6: Multicast Extensions [ <i>working draft</i> ]
ISO 8648	Internal Organization of the Network Layer [ <i>published 88-02-15</i> ]
ISO 8880-1	Protocol Combinations to Provide and Support the OSI Network Service, Part 1: General Principles [ <i>published 90-12-15</i> ]
ISO 8880-2	Part 2: Provision and Support of the Connection-mode Network Service [ <i>awaiting publication of second edition</i> ]
ISO 8880-3	Part 3: Provision and Support of the Connectionless Network Service [ <i>published 90-12-15</i> ]
ISO DTR 9577	Protocol Identification in the Network Layer [ <i>published 90-11-15; awaiting ballot on second edition</i> ]

ISO TR 10172	Network/Transport Protocol Interworking Specification [ <i>published 91-09-15</i> ]
ANSI X3.216	Structure and Semantics of the Domain-Specific Part (DSP) of the OSI Network Service Access Point (NSAP) Address [ <i>published 92-07-23</i> ]

### *Internetwork protocol*

ISO DIS 8473	Protocol for Providing the Connectionless-mode Network Service (Internetwork Protocol) [ <i>published 88-12-15; awaiting ballot on second edition</i> ]
ISO 8473/DAM4	Amendment 4: PICS Proforma [ <i>awaiting ballot</i> ]
ISO 8473/DAM5	Amendment 5: Provision of the Underlying Service for Operation over ISDN Circuit-switched B-channels
ISO 8473/PDAM6	Amendment 6: ECHO [ <i>awaiting ballot</i> ]
ISO 8473/PDAM7	Amendment 7: Multicast Extensions [ <i>new project ballot closes 92-12-02</i> ]

### *X.25 packet level protocol*

ISO 8208	X.25 Packet Layer Protocol for Data Terminal Equipment [ <i>second edition published 90-03-15</i> ]
ISO 8208/Am. 1	Amendment 1: Alternative Logical Channel Identifier Assignment [ <i>published 91-06-01</i> ]
ISO 8208/Am. 3	Amendment 3: Static Conformance Requirements [ <i>published 91-06-01</i> ]
ISO 8878 CCITT X.223	Use of X.25 to Provide the Connection-oriented Network Service [ <i>published 87-09-01; awaiting publication of second edition</i> ]
ISO DIS 8878-2	Part 2: PICS Proforma [ <i>ballot closed 92-05-28</i> ]
ISO 8881	Use of the X.25 Packet Level Protocol in Local Area Networks [ <i>published 89-12-01</i> ]
ISO 8882-1	X.25 DTE Conformance Testing, Part 1: General Principles [ <i>awaiting publication</i> ]
ISO 8882-3	Part 3: Packet Level Conformance Suite [ <i>published 91-12-01</i> ]
ISO 8882-3/DAM1	Amendment 1: Use of Data Link Service Primitives [ <i>awaiting ballot</i> ]
ISO TR 10029	Operation of an X.25 Interworking Unit [ <i>published 89-03-15</i> ]
ISO 10177	Intermediate System Support of the OSI CONS using ISO 8208 in Accordance with ISO 10028 [ <i>awaiting publication</i> ]
ISO 10588	Use of X.25 PLP in Conjunction with X.21/X.21 <i>bis</i> to Provide the OSI CONS [ <i>awaiting publication</i> ]
ISO 10732 CCITT X.614	Use of X.25 PLP to provide the OSI CONS over the telephone network [ <i>awaiting publication</i> ]

### *Routing*

ISO 9542	End System to Intermediate System Routing Information Exchange Protocol for Use in Conjunction with the Protocol for the Provision of the Connectionless-mode Network Service [ <i>published 88-08-15</i> ]
ISO 9542/DAM1	Amendment 1: Dynamic Discovery of OSI NSAP Addresses by End Systems [ <i>awaiting ballot</i> ]
ISO 9542/PDAM2	Amendment 2: Multicast Extensions [ <i>new project ballot closes 92-12-07</i> ]
ISO TR 9575	OSI Routing Framework [ <i>published 90-06-01</i> ]
ISO 10028	Definition of the Relaying Functions of a Network Layer Intermediate System [ <i>awaiting publication</i> ]

ISO 10030	End System to Intermediate System Routing Information Exchange Protocol for Use in Conjunction with ISO 8878 <i>[published 90-12-15]</i>
ISO 10030/DAM1	Amendment 1: Dynamic Discovery of OSI NSAP Addresses by End Systems <i>[awaiting ballot]</i>
ISO 10030/Am. 2	Amendment 2: PICS Proforma <i>[awaiting publication]</i>
ISO 10030/DAM3	Amendment 3: Intermediate System Interactions with a SNARE <i>[awaiting ballot]</i>
ISO 10589	Intermediate System to Intermediate System Routing Information Exchange Protocol for Use in Conjunction with ISO 8473 <i>[published 92-06-15]</i>
ISO 10589/PDAM1	Amendment 1: Multicast Extensions <i>[new project ballot closes 92-12-07]</i>
ISO DIS 10747	Protocol for Exchange of Inter-Domain Routing Information among Intermediate Systems to Support Forwarding of ISO 8473 PDUs <i>[awaiting ballot]</i>

### *Management*

ISO 10733	Specification of the Elements of Management Information Related to OSI Network Layer Standards <i>[awaiting publication]</i>
ISO 10733/PDAM1	Amendment 1: Managed Object Conformance Statement Proforma <i>[working draft]</i>

### *Security*

ISO DIS 11577	Network Layer Security <i>[awaiting ballot]</i>
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### *ISDN*

ISO 9574	Provision of the OSI Connection-mode Network Service by Packet-mode Terminal Equipment Connected to an ISDN <i>[awaiting publication of second edition]</i>
ISO 9574/DAM1	Amendment 1: Provision of CONS over an ISDN Circuit-Switched Channel Connecting Directly to the Remote Terminal

### *Private integrated services digital networks (PISN)*

ISO DIS 11571	Addressing in Private Integrated Services Digital Networks <i>[awaiting ballot]</i>
ISO DIS 11572	Circuit-mode Bearer Services — Inter-exchange Signalling Procedures and Protocol <i>[awaiting ballot]</i>
ISO 11572/PDAM1	Amendment 1: Stage 3 Support of a Multirate Protocol <i>[ballot closes 92-12-11]</i>
ISO DIS 11573	Synchronization Methods and Technical Requirements for PISNs <i>[awaiting ballot]</i>
ISO DIS 11574	Circuit-mode 64 kbit/sec Bearer Services — Service Definition — Functional Capabilities and Information Flows <i>[awaiting ballot]</i>
ISO DIS 11579	Reference Configuration for PISN Exchanges <i>[awaiting ballot]</i>
ISO CD 11582	Generic Functional Protocol for the Support of Supplementary Services — Inter-exchange Signalling Procedures and Protocol <i>[ballot closes 92-12-11]</i>

### Data Link Layer Standards

ISO 8886 CCITT X.212	Data Link Service Definition <i>[published 92-06-15]</i>
ISO DIS 9234	Industrial Asynchronous Data Link for Two-way Simultaneous or Two-way Alternate Mode
ISO DIS 11575	Provision and Support of the OSI Data Link Service <i>[awaiting ballot]</i>



## *High-level data link control (HDLC)*

ISO 3309	High-level Data Link Control (HDLC) — Frame Structure <i>[fourth edition published 91-06-01]</i>
ISO 3309/Am. 2	Amendment 2: Extended Transparency Options for Start/Stop Transmission <i>[published 92-01-15]</i>
ISO 3309/DAM3	Amendment 3: Seven-bit Data Path Transparency Option for Start/Stop Transmission <i>[ballot closed 92-08-27]</i>
ISO 4335	HDLC — Consolidation of Elements of Procedures <i>[fourth edition published 91-09-15]</i>
ISO 4335/Am. 4	Amendment 4: Multi-Selective Reject Option <i>[published 91-10-01]</i>
ISO 4335/PDAM6	Amendment 6: Extension of HDLC Sequence Number Modulus Beyond 128 <i>[ballot closes 92-12-22]</i>
ISO 7478	Multi-link Procedures <i>[third edition published 84-07-01]</i>
ISO DIS 7776	HDLC — Description of the X.25 LAPB-compatible DTE Data Link Procedures <i>[published 86-12-15; awaiting ballot on second edition]</i>
ISO 7776/Am. 1	Amendment 1: PICS Proforma <i>[awaiting publication]</i>
ISO 7809	HDLC — Consolidation of Classes of Procedures <i>[second edition published 91-09-15]</i>
ISO 7809/Am. 5	Amendment 5: Connectionless Class of Procedures <i>[published 92-07-15]</i>
ISO 7809/Am. 6	Amendment 6: Extended Transparency Options for Start/Stop Transmission <i>[published 92-01-15]</i>
ISO 7809/Am. 7	Amendment 7: Multi-Selective Reject Option <i>[published 91-09-15]</i>
ISO 7809/DAM9	Amendment 9: Seven-bit Data Path Transparency Option for Start/Stop Transmission <i>[ballot closed 92-08-27]</i>
ISO 7809/PDAM10	Amendment 10: Extension of HDLC Sequence Number Modulus Beyond 128 <i>[ballot closes 92-12-22]</i>
ISO 8471	HDLC Balanced Classes of Procedures — Data Link Layer Address Resolution/Negotiation in Switched Environments <i>[published 87-04-01]</i>
ISO 8885	HDLC — General Purpose XID Frame Information Field Content and Format <i>[second edition published 91-06-01]</i>
ISO 8885/Am. 3	Amendment 3: Definition of a Private Parameter Negotiation Data Link Layer Subfield <i>[published 92-02-01]</i>
ISO 8885/Am. 4	Amendment 4: Extended Transparency Options for Start/Stop Transmission <i>[published 92-01-15]</i>
ISO 8885/Am. 5	Amendment 5: Multi-Selective Reject Option <i>[published 91-07-01]</i>
ISO 8885/DAM6	Amendment 6: Seven-bit Data Path Transparency Option for Start/Stop Transmission <i>[ballot closed 92-08-27]</i>
ISO 8885/DAM7	Amendment 7: Frame Check Sequence Negotiation Using the Parameter Negotiation Subfield <i>[awaiting ballot]</i>
ISO 8885/PDAM9	Amendment 9: Extension of HDLC Sequence Number Modulus Beyond 128 <i>[ballot closes 92-12-22]</i>
ISO TR 10171	List of Standard Data Link Layer Protocols that Utilise High-Level Data Link Control (HDLC) Classes of Procedures <i>[awaiting publication]</i>

ISO 10171/PDAM1 Amendment 1: Registration of XID Format Identifiers and Private Parameter Set Identifiers

### *Basic mode*

ISO 1155 Use of Longitudinal Parity to Detect Errors in Information Messages [*second edition published 78-11-15*]

ISO 1177 Character Structure for Start/Stop and Synchronous Character Oriented Transmission [*second edition published 85-08-15*]

ISO 1745 Basic Mode Control Procedures for Data Communication Systems [*published 75-02-01*]

ISO 2111 Basic Mode Control Procedures — Code-Independent Information Transfer [*second edition published 85-02-01*]

ISO 2628 Basic Mode Control Procedures — Complements [*published 73-06-01*]

ISO 2629 Basic Mode Control Procedures — Conversational Information Message Transfer [*published 73-02-15*]

### *Local area networks (LANs)*

ISO PDTR 8802-1 Overview of Local Area Networks [*awaiting ballot*]

ISO 8802-2 Part 2: Logical Link Control [*published 90-07-16; awaiting publication of second edition*]

ISO 8802-2/PDAM3 Amendment 3: PICS Proforma [*third PDAM ballot closes 92-12-11*]

ISO 8802-2/PDAM5 Amendment 5: Bridged LAN Source Routing Operation by End Systems [*awaiting third PDAM ballot*]

ISO 8802-2/PDAM6 Amendment 6: Managed Objects Definition for LLC [*awaiting ballot*]

ISO 8802-3 Part 3: Carrier Sense Multiple Access with Collision Detection — Access Method and Physical Layer Specifications [*third edition published 92-03-20*]

ISO 8802-3/DAM1 Amendment 1: Medium Attachment Unit and Baseband Medium Specifications for Type 10BASE2

ISO 8802-3/DAM2 Amendment 2: Repeater Set and Repeater Unit Specification for use with 10BASE5 and 10BASE2 Networks

ISO 8802-3/DAM3 Amendment 3: Broadband Medium Attachment Unit and Broadband Medium Specifications, Type 10BROAD36

ISO 8802-3/DAM4 Amendment 4: Physical Medium, Medium Attachment, and Baseband Medium Specifications, Type 1BASE5 (StarLAN)

ISO 8802-3/DAM5 Amendment 5: Medium Attachment Unit and Baseband Medium Attachment Specification for a Vendor Independent Fiber Optic Inter-repeater Link

ISO 8802-3/Am. 6 Amendment 6: Summary of IEEE 802.3 First Maintenance Ballot [*awaiting publication*]

ISO 8802-3/Am. 7 Amendment 7: LAN Layer Management [*awaiting publication*]

ISO 8802-3/Am. 9 Amendment 9: Physical Medium, Medium Attachment, and Baseband Medium Specifications, Type 10BASE-T [*awaiting publication*]

ISO 8802-3/PDAM11 Amendment 11: Hub Management [*ballot closed 92-07-03*]

ISO 8802-3/PDAM13 Amendment 13: Attachment Unit Interface (AUI) Cable Conformance Test [*ballot closed 92-07-03*]

ISO 8802-3/PDAM14 Amendment 14: Fiber Optics Media 10BASE-F [*awaiting ballot*]

ISO 8802-3/PDAM15 Amendment 15: Corrections and Updates 2 and 3 [*ballot closed 92-07-03*]

- ISO 8802-3/PDAM17 Amendment 17: PICS Proforma for 10BASE-T [*ballot closed 92-07-03*]
- ISO 8802-3/PDAM18 Amendment 18: Managed Object Definitions for CSMA/CD [*ballot closes 92-12-21*]
- ISO 8802-3/PDAM19 Amendment 19: Layer Management for 10 Mbit/sec Medium Attachment Units [*working draft*]
- ISO 8802-4 Part 4: Token-passing Bus Access Method and Physical Layer Specification [*published 90-08-17*]
- ISO CD 8802-5 Part 5: Token Ring Access Method and Physical Layer Specification [*awaiting ballot on second edition*]
- ISO 8802-5/DAM4 Amendment 4: Source Routing MAC Bridge [*ballot closed 91-07-03*]
- ISO 8802-5/DAM5 Amendment 5: PICS Proforma [*ballot closed 91-05-01*]
- ISO CD 8802-51 Part 51: Token Ring — MAC Sublayer Conformance Test Purposes [*ballot closed 92-04-25*]
- ISO CD 8802-52 Part 52: Token Ring — MAC Sublayer Conformance Abstract Test Suites [*awaiting ballot*]
- ISO DIS 8802-6 Part 6: Distributed Queue Dual Bus (DQDB) Access Method and Physical Layer Specification [*awaiting ballot*]
- ISO 8802-7 Part 7: Slotted Ring Access Method and Physical Layer Specification
- ISO 10038 Medium Access Control Bridges [*awaiting publication*]
- ISO 10039 MAC Service Definition [*published 91-06-01*]
- ISO TR 10178 The Structure and Coding of Logical Link Control Addresses in Local Area Networks [*awaiting publication*]
- ISO PDTR 10734 Guidelines for Bridged LAN Source Routing Operation by End Systems [*cancelled; superceded by 8802-2/PDAM5*]
- ISO TR 10735 Standard Group MAC Addresses [*awaiting publication*]
- ISO DIS xxxxx System Load Protocol [*was 8802-1E; awaiting ballot*]

#### *Fiber distributed data interface (FDDI)*

- ISO 9314-2 Fiber Distributed Data Interface, Part 2: Medium Access Control [*published 89-05-01*]
- ISO DIS 9314-5 Part 5: Hybrid Ring Control (FDDI-II) [*ballot closed 91-12-08*]
- ISO CD 9314-6 Part 6: Station Management (SMT) [*working draft*]

#### *Conformance testing*

- ISO 8882-2 X.25 DTE Conformance Testing, Part 2: Data Link Layer Test Suite [*published 92-06-15*]
- ISO DTR 10174 Logical Link Control (Type 2 Operation) Test Purposes [*awaiting ballot*]

#### *Management*

- ISO DIS 10742 Elements of Management Information Related to OSI Data Link Layer Standards [*awaiting ballot*]

#### **Physical Layer Standards**

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- ISO 10022 Physical Service Definition [*published 90-08-01*]
- CCITT X.211

ISO TR 7477	Arrangements for DTE to DTE Physical Connection Using V.24 and X.24 Interchange Circuits <i>[published 85-09-15]</i>
ISO 7480	Start-Stop Transmission Signal Quality at DTE-DCE Interfaces <i>[published 91-12-15]</i>
ISO 8480	DTE-DCE Interface Backup Control Operation Using the 25 Pin Connector <i>[published 87-11-15]</i>
ISO 8481	DTE to DTE Physical Connection Using X.24 Interchange Circuits with DTE-provided Timing <i>[published 86-09-15]</i>
ISO DIS 8482	Twisted Pair Multipoint Interconnections <i>[published 87-11-15; awaiting ballot for second edition]</i>
ISO 9067	Automatic Fault Isolation Procedures Using Test Loops <i>[published 87-09-01]</i>
ISO 9543	Synchronous Transmission Signal Quality at DTE-DCE Interfaces <i>[published 89-04-01]</i>
ISO 9549	Galvanic Isolation of Balanced Interchange Circuits <i>[published 90-11-15]</i>

### *Fiber distributed data interface (FDDI)*

ISO 9314-1	Fiber Distributed Data Interface, Part 1: Physical Layer Protocol <i>[published 89-04-15]</i>
ISO 9314-3	Part 3: Physical Layer Medium Dependent (PMD) <i>[published 90-08-01]</i>
ISO CD 9314-4	Part 4: Single-Mode Fiber/Physical Layer Medium Dependent

### *Physical connectors*

ISO 2110	25 Pole DTE-DCE Interface Connector and Contact Number Assignments <i>[third edition published 89-10-1]</i>
ISO 2110/Am. 1	Amendment 1: Interface Connector and Contact Number Assignments for a DTE/DCE Interface for Data Signalling Rates Above 20K Bits per Second <i>[published 91-09-15]</i>
ISO 2593	34 Pole DTE-DCE Interface Connector and Contact Number Assignments <i>[third edition awaiting publication]</i>
ISO 4902	37 Pole DTE-DCE Interface Connector and Contact Number Assignments <i>[second edition published 89-12-01]</i>
ISO 4903	15 Pole DTE-DCE Interface Connector and Contact Number Assignments <i>[second edition published 89-10-01]</i>
ISO 8877	Interface Connector and Contact Assignments for ISDN Basic Access Interface at Reference Points S & T <i>[published 87-08-15; awaiting publication of second edition]</i>
ISO 8877/Am. 1	Amendment 1: ISDN Basic Access TE Cord <i>[published 91-05-15]</i>
ISO TR 9578	Communication Interface Connectors Used in Local Area Networks <i>[published 90-11-15]</i>
ISO 10173	ISDN Primary Access Connector at Reference Points S and T <i>[published 91-09-15]</i>
ISO TR 10738	Use of Unshielded Twisted Pair Cable (UTP) for Token Ring Data Transmission at 4 Mbit/s <i>[awaiting publication]</i>
ISO CD 11569	26-Pole Interface Connector Mateability Dimensions and Contact Number Assignments <i>[ballot closed 91-12-27]</i>