List of withdrawn ECMA Standards

NOTE: These Standards are no more available

ECMA-1	6 Bit Input/Output Character Code (March 1963)	
ECMA-2	Subset of ALGOL 60 - ECMALGOL (April 1964)	
ECMA-3	CMC7 Printed Image Specification, 2nd Edition (September 1966)	ISO 1004
ECMA-4	Flow Charts, 2nd Edition (September 1966)	ISO 1028
ECMA-5	Data Interchange on 7 Track Magnetic Tape, 3rd Edition (June 1970)	
ECMA-7	7 Bit Code in Punched Cards (April 1965)	ISO 1113
ECMA-8	Nominal Character Dimensions of the Numeric OCR A Font, 2nd Edition (January 1977)	ISO 1073-1

ECMA-9	FORTRAN (April 1965)	ISO/IEC 1539
ECMA-10	Data Interchange on Punched Tape, 2nd Edition (July 1970)	ISO 1113
ECMA-11	Alphanumeric Character Set OCR-B for Optical Recognition, 3rd Edition (March 1976)	ISO 1073-2
ECMA-12	Data Interchange on 9-Track Magnetic Tape at 32 bits per mm (800 bpi), 2nd Edition (June 1970)	ISO/IEC 1863
ECMA-14	Rules for the Definition of 4 Bit Sets Derived from the ECMA 7 Bit Coded Character Set (November 1967)	
ECMA-15	Printing Specifications for Optical Character Recognition, 2nd Edition (August 1975)	ISO 1831
ECMA-16	Basic Mode Control Procedures for Data Communication Systems using the ECMA 7-Bit Code, 2nd Edition (June 1973)	
ECMA-17	Graphic Representation of the Control Characters of the ECMA 7-Bit Coded Character Set for Information Interchange (November 1968)	ISO 2047
ECMA-18	Printing Line Position on OCR Single Line Documents, 2nd Edition (January 1977)	ISO 1831

ECMA-19	Coding of Character Sets for MICR and OCR (June 1969)	ISO 2033
ECMA-20	Implementation of the ECMA 7 Bit Coded Character Set on Punched Cards (June 1969)	ISO 1113
ECMA-21	Character Positioning on OCR Journal Tape (June 1969)	
ECMA-22	Electrical Safety Requirements for Data Processing Machines (June 1969)	
ECMA-23	Keyboards Generating the Code Combinations of the Characters of the ECMA 7-Bit Coded Character Set, 2nd Edition (January 1975)	ISO/IEC 9995
ECMA-24	Code Independent Information Transfer (An extension to the Basic Mode Transmission Control Procedures) (December 1969)	
ECMA-25	Representation of 8-Bit combinations on 12-Row Punched Cards (June 1970)	ISO 6586
ECMA-26	Recovery Procedures (An Extension to the Basic Mode Control Procedures for Data Communication Systems) (April 1971)	

ECMA-27	Abort and Interrupt Procedures (An Extension of the Basic Mode Control Procedures for Data Communication Systems) (April 1971)	
ECMA-28	Multiple Station Selection Procedures (An Extension of the Basic Mode Control Procedures for Data Communication Systems) (April 1971)	
ECMA-29	Conversational Information Transfer (An Extension of the Basic Mode Control Procedures for Data Communication Systems) (September 1971)	
ECMA-30	OCR B Subsets for Numeric Applications, 2nd Edition (March 1976)	
ECMA-31	Mechanical Safety Requirements for DTA Processing Machines (September 1971)	
ECMA-32	Mechanical, Physical and Magnetic Characteristics of Interchangeable 6-Disk Packs (September 1971)	
ECMA-33	Track Format Characteristics of Interchangeable 6-Disk Packs (September 1971)	ISO 3561
ECMA-34	Data Interchange on 3,81 mm Magnetic Tape Cassette (63 ftpmm, Phase Encoded at 32 bpmm), 3rd Edition (September 1976)	ISO 3407

ECMA-36	Data Interchange on 9-Track Magnetic Tape at 63 bpmm (1600 bpi) Phase-Encoded (December 1971)	ISO/IEC 3788
ECMA-37	Supplementary Transmission Control Functions (An Extension of the Basic Mode Control Procedures for Data Communication Systems) (June 1972)	
ECMA-38	Mechanical, Physical and Magnetic Characteristics of Interchangeable Single Disk Cartridges (Top Loaded) (September 1973)	ISO 3562
ECMA-39	Track Format Characteristics of Interchangeable Single Disk Cartridges (Top Loaded) (September 1973)	ISO 3563
ECMA-40	High-Level Data Link Control Procedures (HDLC) - Frame Structure, 3rd Edition (January 1980)	ISO/IEC 3309
ECMA-41	Magnetic Tape Cassette Labelling and File Structure for Information Interchange (December 1973)	ISO 4341
ECMA-42	Alpha-numeric Character Set for 7x9 Matrix Printers (December 1973)	
ECMA-44	Implementation of the ECMA 7-Bit and 8-Bit Coded Character Sets on Punched Cards (September 1975)	ISO 6586
ECMA-45	Data Interchange on Magnetic 12-Disk Packs (100 Mbytes) (September 1975)	ISO 4337

ECMA-46	Data Interchange on 6,30 mm Magnetic Tape Cartridge (63 bpmm, Phase Encoded) (March 1976)	ISO 4057
ECMA-47	Limits and Measurements Methods for Radio Interference from EDP Units (March 1976)	
ECMA-49	HDLC-Elements of Procedure, 2nd Edition (August 1979)	ISO/IEC 4335
ECMA-50	Programming Language PL/1 (December 1976)	ISO 6160
ECMA-51	Implementation of the Numeric OCR-A Font with 9x9 Matrix Printers (January 1977)	
ECMA-52	Magnetic 12-Disk Packs (200 Mbytes) (September 1977)	
ECMA-53	Representation of Source Programs for Program Interchange - APL, COBOL, FORTRAN, Minimal BASIC and PL/1 (January 1978)	ISO 5653
ECMA-54	Data Interchange on 200 mm Flexible Disk Cartridges using Two-Frequency Recording at 13 262 ftprad on One Side, 2nd Edition (January 1982)	ISO 5654
ECMA-55	Minimal BASIC (January 1978)	ISO 6373

ECMA-56	Self-Loading Cartridges for 12,7 mm Wide Magnetic Tapes (September 1978)	ISO 6098
ECMA-57	Safety Requirements for Data Processing Equipment, 2nd Edition (September 1981)	
ECMA-58	Flexible Disk Cartridge Labelling and File Structure for Information Interchange (August 1979)	
ECMA-59	Data Interchange on 200 mm Flexible Disk Cartridges Using Two-Frequency Recording at 13 262 ftprad on Both Sides (August 1979)	ISO 5654-1
ECMA-60	HDLC-Unbalanced Class of Procedure (August 1979)	ISO/IEC 7809
ECMA-61	HDLC-Balanced Class of Procedure (August 1979)	ISO/IEC 7809
ECMA-62	Data Interchange on 12,7 mm 9-Track Magnetic Tape - 32 ftpmm, NRZ1, 32 cpmm -126 ftpmm, Phase Encoding, 63 cpmm - 356 ftpmm, NRZ1, 246 cpmm GCR, Second Edition	
ECMA-63	Representation of Numerical Values in Character Strings for Information Interchange (September 1980)	
ECMA-64	Magnetic Disk for Data Storage Devices, 160 000 Flux Transitions per Track, 356 mm Diameter, 2nd Edition (September 1982)	ISO 6901

ECMA-65	Magnetic Disk for Data Storage Devices, 107 500 Flux Transitions per Track, 266 mm and 356 mm Diameter (September 1980)	ISO 6902
ECMA-66	Data Interchange on 130 mm Flexible Disk Cartridges Using Two-Frequency Recording at 7 958 ftprad on One Side (September 1980)	ISO 6596
ECMA-67	130 mm Flexible Disk Cartridge Labelling and File Structure (January 1981)	
ECMA-68	Reels for 12,7 mm Wide Magnetic Tapes (Sizes 16, 18 and 22) (January 1981)	ISO 8064
ECMA-69	Data Interchange on 200 mm Flexible Disk Cartridges Using MFM Recording at 13 262 ftprad on Both Sides (January 1981)	ISO 7065
ECMA-70	Data Interchange on 130 mm Flexible Disk Cartridges Using MFM Recording at 7 958 ftprad on 40 Tracks on Each Side, Second Edition (June 1986)	ISO 7487
ECMA-71	HDLC Selected Procedures (January 1981)	ISO/IEC 3309 & 4335
ECMA-72	Transport Protocol (January 1981)	ISO/IEC 8073

ECMA-73	Magnetic Disk for Data Storage Devices 95 840 Flux Transitions per Track, 200 mm Outer Diameter, 63,5 mm Inner Diameter, 2nd Edition September 1982	ISO 7297
ECMA-75	Session Protocol (January 1982)	ISO 8327
ECMA-76	Magnetic Disk for Data Storage Devices, 158 000 Flux Transitions per Track, 210 mm Outer Diameter, 100 mm Inner Diameter (September 1982)	ISO 7298
ECMA-77	Magnetic Disk for Data Storage Devices, 83 000 Flux Transitions per Track, 130 mm Outer Diameter, 40 mm Inner Diameter (September 1982)	ISO 7929
ECMA-78	Data Interchange on 130 mm Flexible Disk Cartridges Using MFM Recording at 7 958 ftprad on 80 Tracks on Each Side, Second Edition (June 1986)	ISO 8378
ECMA-79	Data Interchange on 6,30 mm Magnetic Tape Cartridge Using IMFM Recording at 252 ftpmm, 2nd Edition (September 1985)	ISO 8063
ECMA-80	Local Area Networks (CSMA/CD Baseband) Coaxial Cable System, 2nd Edition (March 1984)	

ECMA-81	Local Area Networks (CSMA/CD Baseband) Physical Layer, 2nd Edition (March 1984)	ISO/IEC 8802-3
ECMA-82	Local Area Networks (CSMA/CD Baseband) Link Layer, 2nd Edition (March 1984)	ISO/IEC 8802-3
ECMA-83	Safety Requirements for DTE-to-DCE Interface in Public Data Networks, 2nd Edition (September 1985)	
ECMA-84	Data Presentation Protocol (September 1982)	ISO/IEC 8823-1
ECMA-85	Virtual File Protocol (September 1982)	
ECMA-86	Generic Data Presentation - Services Description and Protocol Definition (March 1983)	ISO/IEC 8822
ECMA-87	Generic Virtual Terminal - Service and Protocol Description (March 1983)	ISO 9040
ECMA-88	Basic Class Virtual Terminal - Service Description and Protocol Definition (March 1983)	ISO 9040 & 9041
ECMA-89	Local Area Networks - Token Ring Technique, 2nd Edition (March 1985)	ISO/IEC 8802-5

ECMA-90	Local Area Networks - Token Bus Technique (September 1983)	ISO/IEC 8802-4
ECMA-91	Flexible Disk Cartridges - File Structure and Labelling for Information Interchange (March 1984)	ISO 7665
ECMA-92	Connectionless Internetwork Protocol (March 1984)	
ECMA-93	Distributed Application for Message Interchange (MIDA) (September 1984)	
ECMA-95	Limits of Interference and Measurement Methods (March 1985)	
ECMA-96	Syntax of Graphical Data for Multiple-Workstation Interface (GDS) (September 1985)	
ECMA-97	Local Area Networks - Safety Requirements, Second Edition (December 1992)	
ECMA-98	Data Interchange on 6,30 mm Magnetic Tape Cartridge Using NRZ1 Recording at 394 ftpmm - Streaming Mode (September 1985)	ISO 8462
ECMA-101	Open Document Architecture (ODA) and Interchange Format, Second Edition (December 1988)	ISO 8613

ECMA-102	Rate Adaptation for the Support of Synchronous and Asynchronous Equipment Using the V. Series Type Interface on a PCSN, Second Edition (July 1987)	
ECMA-103	Physical Layer at the Basic Access Interface between Data Processing Equipment and Private Switching Networks, 2nd Edition (December 1987)	
ECMA-104	Physical Layer at the Primary Rate Access Interface between Data Processing Equipment and Private Circuit Switching Networks (September 1985)	
ECMA-105	PTN - Signalling at the S Reference Point - Data Link Layer Protocol (PTN SSIG-L2), 4th Edition (June 1993)	I-ETS 300 169
ECMA-110	Ergonomics - Requirements for Monochromatic Visual Display Devices (December 1985)	
ECMA-111	Small Computer System Interface - SCSI (December 1985)	
ECMA-112	X.25 (1980) Subnetwork-Dependent Convergence Protocol (December 1985)	
ECMA-115	Common Secondary Keyboard Layout for Languages Using a Latin Alphabet (June 1986)	

ECMA-116	BASIC	
	(June 1986)	
ECMA-117	Domain Specific Part of Network Layer Addresses	
	(June 1986)	
ECMA-122	MIDA, Mailbox Service Description and Mailbox Access Protocol Specification	
	(July 1987)	
ECMA-123	In-Band Parameter Exchange in Private Pre-ISDN Networks Using Standard ECMA-102, Second Edition	
	(June 1990)	
ECMA-124	Designation of Unrecorded Flexible Disk Cartridges	
	(December 1987)	
ECMA-126	Ergonomics - Requirements for Colour Visual Display Devices	
	(December 1987)	
ECMA-127	Remote Procedure Call (RPC) Using OSI, 2nd Edition	
	(June 1990)	
ECMA-129	Information Technology Equipment - Safety, Second Edition	IEC 950
	(April 1994)	
ECMA-131	Referenced Data Transfer	
	(July 1988)	

ECMA-132	Method for Measuring Printer Throughput, Second Edition (June 1991)	ISO 10561
ECMA-136	Ergonomics - Requirements for Non-CRT Visual Display Units (June 1989)	
ECMA-137	Document Filing and Retrieval Application (December 1989)	ISO 10166
ECMA-138	Security in Open Systems - Data Elements and Service Definitions (December 1989)	
ECMA-140	Document Printing Application (DPA) (June 1990)	ISO/IEC 10175
ECMA-141	PTN - Inter-Exchange Signalling - Data Link Layer Protocol (PTN QSIG-L2), 2nd Edition (June 1993)	I-ETS 300 170
ECMA-166	Information Technology Equipment - Routine Electrical Safety Testing in Production (June 1992)	EN 50116
ECMA-181	Uncertainty of Measurement as Applied to Type Approval of Products (December 1992)	
ECMA-187	ODA-API - Application Profile Interface for Handling Compound Documents (June 1993)	

ECMA-204	PTN - Inter-Exchange Signalling Protocol - Supplementary Service Interactions (QSIG-IA) (December 1993)	ETS 300 427
ECMA-227	Portable Common Tool Environment (PCTE) - Extensions for support of Fine-Grain Objects - Abstract Specification (October 1995)	
ECMA-228	Portable Common Tool Environment (PCTE) - Extensions for support of Fine-Grain Objects - C Programming Language Binding (October 1995)	
ECMA-229	Portable Common Tool Environment (PCTE) - Extensions for support of Fine-Grain Objects - Ada Programming Language Binding (October 1995)	
ECMA-255	PCTE - Object Orientation Extensions - Abstract Specification (December 1996)	
ECMA-256	PCTE - Object Orientation Extensions - C Programming Language Binding (December 1996)	
ECMA-257	PCTE - Object Orientation Extensions - Ada Programming Language Binding (December 1996)	