

**Replaces:**

**ISO/IEC JTC 1  
Information Technology**

**Document Type:** other (defined)

**Document Title:** Ecma International Liaison Report to JTC 1

**Document Source:** Ecma President

**Document Status:** This document is circulated to National Bodies for review and consideration at the November 2008 JTC 1 Plenary meeting in Nara.

**Action ID:** ACT

**Due Date:**

**No. of Pages:** 28



## **Ecma International Liaison Report to JTC 1**

*John Neumann  
President  
Ecma International  
November 2008*



## Who We Are

- Ecma International is a not-for-profit association under Swiss Law/Geneva, established in 1961
- Purpose of Ecma: Development and publication of market relevant standards/TRs for Information & Communication Technology and Consumer Electronics
- Ecma publications are free of charge and can be freely downloaded from the Ecma website [www.ecma-international.org](http://www.ecma-international.org)
- A-liaison with ISO/IEC JTC 1 since 1987, and instrumental in the establishment of TC 97 (JTC 1 precursor), along with ANSI and other NB's who were actively developing IT standards in the early 60's



## Membership

- **Ordinary (voting) Members**

- *Adobe*
- *Avaya*
- *Canon*
- *Ericsson*
- *Fujifilm*
- *Fujitsu*
- *Global Graphics*
- *Google*
- *HP*
- *Hitachi*
- *IBM*
- *Intel*
- *Konica Minolta*
- *Lexmark*
- *Microsoft*
- *Panasonic*
- *Philips*
- *Pioneer*
- *Ricoh*
- *Sony*
- *Toshiba*
- *Xerox*
- *Yahoo*



## Membership

- **Other non-voting membership categories**
  - *Associate Members*
  - *Small and Medium Enterprises*
  - *Small Private Companies*
  - *Non Profit Making Organizations*
  - *Universities*



- **ECMA-6/ISO/IEC 646: 646:1991 (1<sup>st</sup> ed. 1983) 7-bit Coded Character Set**
- **ECMA-13/ISO 1001:1986 (1<sup>st</sup> ed. 1979) File Structure and Labelling of Magnetic Tapes for Information Interchange**
- **ECMA-35/ISO/IEC 2022:1994 (1<sup>st</sup> ed. 1986) Character Code Structure and Extension Techniques**
- **ECMA-43/ISO 4873:1991 (1<sup>st</sup> ed. 1979) 8-Bit Coded Character Set Structure and Rules**
- **ECMA-48/ISO/IEC 6429:1992 (1<sup>st</sup> ed. 1983) Control Functions for Coded Character Sets**



## Historical Information

- **ECMA-74/ISO 7779:1998 (1<sup>st</sup> ed. 1988) Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment (9<sup>th</sup> Edition)**
- **ECMA-94/ISO 8859-1 to 4 (1<sup>st</sup> ed. 1987) 8-Bit Single-Byte Coded Graphic Character Sets - Latin Alphabets No. 1 to No. 4**
- **ECMA-99/ISO/IEC 8630:1987 Data Interchange on 130 mm Flexible Disk Cartridges Using MFM Recording at 13 262 ftprad on Both Sides, 3,8 Tracks per mm**
- **ECMA-100/ISO/IEC 8860:1988 Data Interchange on 90 mm Flexible Disk Cartridges Using MFM Recording at 7 958 ftprad on 80 Tracks on Each Side - ISO Type 301**
- **ECMA-107/ISO/IEC 9293:1994 (1<sup>st</sup> ed. 1987) Volume and File Structure of Disk Cartridges for Information Interchange**



# **ecma**

INTERNATIONAL

## Historical Information

- **ECMA-108/ISO 9295:1988 Measurement of High-Frequency Noise emitted by Information Technology and Telecommunications Equipment**
- **ECMA-109/ISO 9296:1988 Declared Noise Emission Values of Information Technology and Telecommunications Equipment**
- **ECMA-119/ISO 9660:1988 Volume and File Structure of CDROM for Information Interchange**
- **ECMA-120/ISO 9661:1994 (1<sup>st</sup> ed. 1988) Data Interchange on 12,7 mm 18-Track Magnetic Tape Cartridges**
- **ECMA-133/ISO/IEC 11579-1:1994 Private Integrated Services Network (PISN) - Reference Configuration for PISN Exchanges (PINX)**





INTERNATIONAL

## Historical Information

- **ECMA-154/ISO/IEC 10090:1992 Data Interchange on 90 mm Optical Disk Cartridges, Read only and Rewritable, M.O.**
- **ECMA-155/ISO/IEC 11571:1998 (1<sup>st</sup> ed. 1994) Private Integrated Services Networks – Addressing**
- **ECMA-169/ISO/IEC 12246:1993 8 mm Wide Magnetic Tape Cartridge Dual Azimuth Format for Information Interchange - Helical Scan Recording**
- **ECMA-170/ISO/IEC 12247:1993 3,81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording - DDS Format Using 60 m and 90 m Length Tapes**
- **ECMA-262/ISO/IEC 16262:2002 (1<sup>st</sup> ed. 1998) ECMAScript Language Specification**
- **ECMA-266/ISO/IEC 13247:1997 Broadband Private Integrated Services Network (B-PISN) - Inter-Exchange Signalling Protocol - Basic Call/Connection Control (B-QSIG-BC)**



INTERNATIONAL

## Historical Information

- ECMA-267/ISO/IEC 16448:2002 (1<sup>st</sup> ed. 1999) 120 mm DVD - Read-Only Disk
- ECMA-268/ISO/IEC 16449:2002 (1<sup>st</sup> ed. 1999) 80 mm DVD - Read-Only Disk
- ECMA-269/ISO/IEC 18051:2007 (1<sup>st</sup> ed. 2004) Services for Computer Supported Telecommunications Applications (CSTA) Phase III
- ECMA-328/ISO/IEC 28360:2007 Determination of Chemical Emission Rates from Electronic Equipment
- ECMA-340/ISO/IEC 18092:2004 Near Field Communication Interface and Protocol (NFCIP-1)
- ECMA-368/ISO/IEC 26907:2007 High Rate Ultra Wideband PHY and MAC Standard

- **Ecma Technical Committees**

- *TC12 – Safety (1966)*
- *TC20 – EMC/EMF (1973)*
- *TC26 – Acoustics (1980)*
- *TC31 – Optical Media (1984)*
- *TC32 – Business Communications (1985)*
- *TC38 – Product-related environmental attributes (1996)*
- *TC39 – ECMAScript (1997)*
- *TC43 – U3D (2005)*
- *TC44 – Holographic Information Storage Systems (2005)*
- *TC45 – Office Open XML Formats (2005)*
- *TC46 – XML Paper Specification (2007)*
- *TC47 – Near Field Communications (2002)*
- *TC48 – High Rate Short Range Wireless Communications (2006)*
- *TC49 – Programming Languages (1997)*



- **Scope:** Taking into account national and international safety regulations to establish appropriate safety standards for Information Technology.
- **Liaisons:** IEC TC 108
- **Future Submissions:** None planned for 2009





TC20  
Electromagnetic  
Compatibility  
1973

- **Scope:** Electromagnetic Compatibility (EMC) and Electromagnetic Fields related to ICT and CE equipment
- **Liaisons:** CISPR/S; IEC TC 108, 111
- **Future Submissions:** None planned for 2009





- **Scope:** Standardize noise outputs of different categories of equipment and total noise output of systems, including measurement techniques.
- **Liaisons:** ISO TC 43
- **Future Submissions:** ECMA-74 and ECMA-108 will be submitted for Fast Track to TC 43 in January 2009



- **Scope:** Data Interchange standards of digitally recorded optical media, including disks and disk cartridges. (Includes CD and DVD media)
- **Liaisons:** SC 23 and TC 42
- **Future Submissions:** 2<sup>nd</sup> Edition of ISO 10995 in June 2009 and DVD-RW for DL (Dual Layer) in January 2009
- **Past Submissions:** (34) Magnetic Tape Cartridge, (40) Optical Disk Standards

TC32

Business Communications

1985



- **Scope: Standardization in field of Private Corporate Telecommunications**
- **Liaisons: ETSI, ITU-T, SC 6**
- **Future Submissions: None planned for 2009**
- **Past Submissions: (86) Private Telecommunication**



TC38  
Product Related Environmental  
Attributes  
1996

- **Scope:** Identify environmental attributes (chemical emissions, energy efficiency, Environmental declarations) for ICT and CE products during their lifetime, including end-of-life
- **Liaisons:** SC 28, IEC TC 108, 111
- **Future Submissions:** None planned for 2009



- **Scope:** Standardize syntax and semantics of cross platform scripting language (ECMAScript) including ECMAScript for XML
- **Liaisons:** SC 22 and SC 22/WG 21
- **Future Submissions:** ECMA-262 edition 3.1 in June 2009





TC43  
Universal 3D (U3D)  
2005

- **Scope:** Facilitate reuse of 3D CAD data by developing global 3D standards intended for downstream 3D visualization applications
- **Liaisons:** ISO TC 184
- **Future Submissions:** Open



TC44  
Holographic Information  
Storage Systems  
2005

- **Scope:** Standardize in the field of Holographic information storage systems, including technical reports and guidelines
- **Liaisons:** SC 23
- **Future Submissions:** None planned for 2009



- **Scope:** Produce a formal standard for office productivity applications to enable the implementation of the Office Open XML Formats by a wide set of tools and platforms
- **Liaisons:** SC 34
- **Future Submissions:** None are planned for 2009

- **Scope:** Standard for XML Based electronic paper format and XML based page description language
- **Liaisons:** SC 28, SC 29, SC 34, ISO TC 130, ISO TC 171
- **Future Submissions:** Perhaps OpenXPS in June 2009 (SC 29 work completion – JPEG XR – required)



- **Scope:** Develop standards for Near Field Communications systems to realize simple wireless communications between closely coupled devices
- **Liaisons:** SC 6, SC 27, SC 31
- **Future Submissions:** NFC-SEC: NFCIP-1 security services and protocol and NFC-SEC-01: NFC-SEC Cryptography Standard using ECDH and AES for January 2009



- **Scope:** Develop standards for high rate short range networks
- **Liaisons:** SC 6
- **Future Submissions:** 2<sup>nd</sup> Edition ISO/IEC 26907 and 26908 and 1<sup>st</sup> edition PHY and MAC layers for 60 GHz wireless network Standard in January 2009

TC49

Programming Languages  
1997



- **Scope:** Standardize programming languages C# and CLI binding and Eiffel
- **Liaisons:** SC 22
- **Future Submissions:** None planned for 2009

- **It has several components:**
  - *Copyrights: Ecma International grants a non-exclusive, royalty-free license to obtain (on paper or per download), reproduce and use the information contained in its standards*
  - *Patents: Licenses under RAND or more favorable terms required. Closer alignment of the Ecma code to the ISO/IEC/ITU patent policy text is under consideration.*



**Thank you!**



Rue du Rhône 114  
CH-1204 Geneva  
T: +41 22 849 6000  
F: +41 22 849 6001

[www.ecma-international.org](http://www.ecma-international.org)