



ISO/IEC JTC 1 N 9423
ISO/IEC JTC 1
Information Technology

2008-11-24

Document Type: Other Document(Defined)

Document Title: ECMA International Liaison Report to JTC 1 at Plenary in Nara, Japan

Document Source: JTC 1 Secretariat

Reference:

Document Status: For Information

Action ID: For Information

Due Date:

No. of Pages: 22



Ecma International Liaison Report to JTC 1

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Ecma International

November 2008

- 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
- 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



INTERNATIONAL

Historical Information

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



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Historical Information

- **ECMA-74/ISO 7779:1998 (1st ed. 1988) Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment (9th Edition)**
- **ECMA-94/ISO 8859-1 to 4 (1st 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 (1st ed. 1987) Volume and File Structure of Disk Cartridges for Information Interchange**



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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 (1st 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)**



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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 (1st 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 (1st 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)**



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Historical Information

- **ECMA-267/ISO/IEC 16448:2002 (1st ed. 1999) 120 mm DVD - Read-Only Disk**
- **ECMA-268/ISO/IEC 16449:2002 (1st ed. 1999) 80 mm DVD - Read-Only Disk**
- **ECMA-269/ISO/IEC 18051:2007 (1st 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:** 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:** DVD-RW for DL (Dual Layer) in January 2009
- **Past Submissions:** (34) Magnetic Tape Cartridge, (40) Optical Disk Standards



- **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



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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 (ISO/IEC 16262) edition 3.1 in June 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. SC34 WG 4 maintenance organization established and Ecma will serve as Secretariat at invitation of SC 34



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TC46
XML Paper Specification
(XPS)
2007

- **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



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TC48
High Rate Short Range
Wireless Networks
2006

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

- **Presentations on NFC-SEC**
- **Presentations on Ultra-Wideband**
- **Presentation on 60 GHz Wireless**
- **Demonstrations of product prototypes (US and Korea)**
- **Second Invitation to provide early review and feedback (April 2008)**
- **Standards to be Fast Tracked in January**

- **It has several components:**
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Thank you!



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