

ECMAScript

Engineering Excellence For 15 years 1996 - 2011

John Neumann



Major Browser Vendors











ECMAScript is the preferred programming language for the World Wide Web

Used Worldwide in support of all applications on the Web

Accounts for fully 30% (30,000 annually) of all standards and Technical Reports downloaded from the Ecma web site





• Development at Netscape began in 1994

ECMA-262 1st Edition June 1997
ISO/IEC 16262 Approved April 1998
ECMA-262 2nd Edition June 1998
ECMA-262 3rd Edition December 1999
ECMA-262 5th Edition December 2009
ISO/IEC 16262 3rd Edition April 2011
ECMA-262 5.1 Edition June 2011



Future Direction

Next Edition Target December 2013

- Significant Enhancements Planned
- Numerous features under development
- Integration into future Browsers planned

Test 262

- Fully integrated Test suite (over 10000 tests)
- Will be made available to the public
- Looking at possible Technical Report
- http://test262.ecmascript.org/



Additions to Language

Internationalization

- Currently under development as Library function
- Dates, Time, Currency Internationalized

Available for use by ECMA-262 5th Edition

• Planned for December 2011 GA Approval



Responsible for developing standards, including:

- ALGOL TC5
 - **COBOL TC6**
 - Fortran TC8
 - PL/1 TC10
 - Basic TC21

- Ada TC27
- C# TC39/TC49
- **CLI TC39/TC49**
- Eiffel TC49





Major Browser Vendors

- Adobe
- Apple
- Mozilla
- Microsoft
- Opera (Currently inative)
- Yahoo

Many University and NFP Organizations



Initiatives

Software License

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Issue

• Contributors License (Non-members)