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ECMA

Standardizing Information and Communication Systems

Common Language Infrastructure (CLI)
Technical Report:
Information Derived from Partition IV XML File

This Technical Report is intended as an aid for understanding the libraries specified in Standard ECMA-335, Partition IV: Profiles and Libraries. That Partition includes a machine-readable specification, in XML, of the types that comprise the standard libraries. This Technical Report, in companion files, provides the following items which help to form a traceable chain from the normative XML specification to a portable, printable representation of its contents:

1. **Tool Source Code.** A program written in the C# programming language, XML Style-sheet Language (XSL), and using the facilities of the Microsoft .NET Framework™ and Microsoft Office™ to convert the XML into files viewable using Microsoft Word™. This program, provided by Intel Corporation, can be modified to produce other views of the XML.
2. **Microsoft Word™ Files.** These are the files produced by running the tool mentioned above on the XML from Partition IV. The ECMA task group TC39/TG3 used similar files (produced using earlier versions of this tool run against earlier versions of the XML) as the primary means of reviewing the XML.
3. **PDF™ Files.** These files are produced from the Microsoft Word™ files using the Adobe Acrobat™ program. They are viewable on a wide range of computer systems and printable on a range of computer output devices. In most cases, they will appear visually identical regardless of the means used to render them.

Partition IV normatively specifies the format of the XML file. The tool provided here renders all parts of the XML with the following exceptions, which may be inspected directly in the XML file:

- The normative XML element “AssemblyCulture” which is required to be “none”. The element is intended for future use.
- The informative XML elements “altcompliant” and “altmember” which suggest alternative methods for accomplishing a task. This information is informative, rarely provided in the XML, and is really intended for the use of computer tools.
- The informative XML attribute “Name” on the element “Type”. This is a simplified form of the FullName which is rendered by the tool and can be mechanically generated from that FullName.
- The informative XML attribute “FullNameSP” on the element “Type”. This serves as a unique identifier that can be used by tools, and is mechanically generated.

Comment [JSM1]: This should be amended when the number is assigned by the ECMA office.