
Prepared for the ISO/IEC JTC 1/SC 22 Plenary
in Madrid, Spain

September 8–9, 2014

Prepared by Rex Jaeschke
rex@RexJaeschke.com

Date: 2014-07-17

Recommendation to SC 22 regarding the Portable Common Tool Environment (PCTE) Standards

The draft agenda for the 2014 Plenary of SC 22 lists the following standards as being up for Periodic Review:


These standards were developed and published by Ecma, and then Fast-Track ed to JTC 1. No work has been done on them since and there is no longer a Technical Committee for PCTE. As such, Ecma recommends that SC 22 stabilize these standards.

Ecma (www.ecma-international.org) currently has two Technical Committees, TC39 and TC49 (the latter having multiple Task Groups), with SC 22-related projects, as follows:


   A Test Suite for ECMAScript has been published as Ecma 79, 1st Edition.
An Internationalization API specification for ECMAScript (ECMA-402, Edition 1) was approved by Ecma in December 2012. Work continues on Edition 2.

ECMAScript 6th Edition has been delayed, and is expected to be submitted to the ECMA General Assembly for approval in June 2015. It will then be Fast-Track to JTC 1.

No Defect Reports have been received in the past year.

In the future, it is expected that all ECMAScript work will be done such that new standards and TRs from that group are Royalty Free.

TC39 completed a joint project with IETF for the JSON (JavaScript Object Notation) standard, for a lightweight data-interchange format. This was published as ECMA-404, “The JSON Data Interchange Format”. It will not be Fast-Track to JTC 1.


No Defect Reports have been received in the past year.

In January 2014, TG2 started work on a new edition, to bring the standard into line with industry practice. A timeline for completion and subsequent submission to JTC 1 has not yet been established.


TG3 is in recess.

No Defect Reports have been received in the past year.


TG4 is working on a revision.

No Defect Reports have been received in the past year.

Ecma created a new Technical Committee, TC52, to define the syntax and semantics of the Dart programming language. It does not specify the APIs of the Dart libraries except where those library elements are essential to the correct functioning of the language itself.

In June 2014, ECMA-408, “Dart Programming Language Specification”, was published. There are no plans to Fast-Track this to JTC 1. Work on a second edition has begun.