Ecma International External Liaison Report for 2014–2015

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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:

1. TC39 (ECMAScript language): ECMAScript 6th edition was adopted by the Ecma General Assembly in June 2015 as ECMA-262, and will be Fast Tracked to JTC 1 this year (as a revision of ISO/IEC 16262). The editor of record for the standard is Allen Wirfs-Brock. Going forward, the plan is to revise this standard on an annual basis.

   A Test Suite for ECMAScript has been published as Ecma TR-104.

   An Internationalization API specification for ECMAScript (ECMA-402, Edition 2) was approved by Ecma in June 2015, and will be Fast Tracked to JTC 1 this year.

   JSON (JavaScript Object Notation) is a lightweight data-interchange format standard (ECMA-404) approved by Ecma in June 2015 as a stand-alone specification. (Previously, it was part of the ECMAScript specification.) It will be Fast Tracked to JTC 1 this year.

   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.

2. TC49/TG2 (C# language): The current standard is ECMA-334, 4th Edition – June 2006, which was published as ISO/IEC 23270:2006, 2nd Edition. The editor of record is Rex Jaeschke.

   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.

3. TC49/TG3 (Common Language Infrastructure): The current standard is Ecma-335, 6th Edition – June 2012, based upon the successful February 2012 publishing of ISO/IEC 23271:2012, 3rd Edition. A companion Technical Report is Ecma TR/84, 6th Edition – June 2012 (also fast-tracked, as ISO/IEC TR 23272:2011, 3rd Edition). The editor of record for the standard and TR is Joel Marcey.

   TG3 is in recess.

   No Defect Reports have been received in the past year.

4. TC49/TG4 (Eiffel Language): The current standard is ECMA-367, 2nd Edition – June 2006, which was published as ISO/IEC 25436:2006, 1st edition. The editor of record is Prof. Bertrand Meyer.

   TG4 is working on a revision.

   No Defect Reports have been received in the past year.

Ecma Technical Committee, TC52, defines 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 2015, ECMA-408, the third edition, "Dart Programming Language Specification", was adopted by Ecma. There are no plans to Fast-Track this to JTC 1. Work on a fourth edition has begun.