ECMA

Standardizing Information and Communication Systems

TC39 Chairman's Report to the Co-ordinating Committee

October 2002

Officers

Chairman: Andrew Clinick (Microsoft)
Vice-Chairman: Joel Marcey (Intel)

For reference the most recent chairman's report is contained in ECMA/TC39/02/11

Meetings

The following 5 technical meetings of TC39 Task Groups and one TC39 meeting have occurred since the most recent report.

Task Group meetings:

- TG1 June 13th, Mountain View, CA, hosted by Netscape
- TG1 August 7th, 2002, Redmond, WA, hosted by Microsoft
- TG1 October 2nd/3rd, 2002, Kohala Coast,, HI, hosted by Microsoft
- TG1 March 20th 2002, Redmond, WA, hosted by Microsoft
- TG1 April 25th 2002, Redmond, WA, hosted by Microsoft
- TG2 April 4th, 2002, Phone conference
- TG2 May 16th, 2002,Phone conference
- TG2 June 28th, 2002, Phone conference
- TG2 August 1st, 2002, Phone conference
- TG2 August 9th 2002, Phone conference
- TG2 September 17th 2002,Phone conference
- TG2 October 2nd, 2002, Kohala Coast, Hawai'i, USA hosted by Plum Hall
- TG3 June 10th 2002, Phone conference
- TG3 June 25th-26th 2002, Bend, OR, hosted by Fujitsu Software
- TG3 August 1st 2002, Phone conference
- TG3 September 30th 2002, Kohala Coast, Hawai'i, USA hosted by Plum Hall
- TG3 October 1st 2002,Kohala Coast, Hawai'i, USA hosted by Plum Hall

TC39 meeting:

- October 3rd 2002, Kohala Coast, HI (Plum Hall)

Future meetings

TG1 plans to continue meeting monthly until the ECMAScript Edition 4 Specification is completed.

The use of the technology is an important factor for the determination of future work and meeting schedules for TG2 and TG3. Some other implementations are underway. In addition to monitoring the uptake of the standard the TG2 and TG3 groups are working to ensure the swift resolution of any comments that result from the ISO fast track process for ECMA-334 (C#) and ECMA-335 (CLI). TG2 and TG3 are meeting via phone conferencing and utilizing the ECMA email reflectors to make progress and plan to meet prior to the TC39 meeting in October.

TC39 Meeting

- October 3rd 2002, Big Island, Hawaii

Progress

TC39 unanimously approved the final drafts of the second Editions of the Common Language Infrastructure specification and C# Language Specification for submission to the General Assembly. The second Editions of the standard incorporate changes that resulted from the ISO Fast Track Ballot. In addition to the specifications TC39 unanimously agreed to submit a second edition of the TR for approval. The TR is intended to facilitate human access to the XML partition in the CLI standard.

At the October 2002 TC39 plenary Mr. Schneider provided an insightful presentation on XML extensions to the ECMAScript programming language Eiffel and proposed that a new sub group be created within TG1 to standardize the extensions. The intent of TG4 is to provide a final draft to the GA in approximately 12 months. Mr. Torr (Microsoft) will be the convener, Mr. Schneider will be the editor.

TG1 continues to make good progress and are still planning to submit the final draft of ECMAScript 4 to the GA in December 2003.

Latest Status:

Task Group 1: ECMAScript

Mr. Torr, Convenor of TG1, presented his report (2002/19). Good progress has been made during the last half year in the preparation of the 4th Edition of ECMA-262. Controversies have been resolved. Agreement has been archived on the execution model, and other important issues. A lot of editing work has to be done, and a lot of details have now to be worked out. The final draft for vote by the ECMA General Assembly will be submitted at the latest for the GA meeting in December 2003.

Status report from Task Group 2: C#

Ms Thompson, Convenor of TG2, presented her report. The TG is pleased to announce that ISO DIS 23270 was unanimously approved after a successful ballot resolution meeting in Hawai'i. The task group submitted 17 technical and 16 editorial issues for consideration in the ISO ballot resolution process, and prepared responses to 48 comments submitted by three national bodies: Japan (14), UK (23), and US (11).

Status report from Task Group 3: CLI

Mr. Marcey, Vice-Convenor of TG3, presented this report (2002/14).

The task group spent the past six months primarily preparing for the ISO balloting process. This involved (1) reviewing internal ECMA-based comments on the CLI specification, (2) determining which were appropriate for the ISO ballot resolution process, (3) preparing a write-up of those issues to be submitted to the ISO balloting process (4) reviewing the comments received from the national bodies, and preparing responses.

The task group also has briefly discussed a possible roadmap for version 2 of the CLI standard. Microsoft has submitted a proposal for the addition of a concept called Generics to the next version.

The task group considered 24 issues, clarifications and typographical errors, of which 14 are likely to be included in the submission to ISO.

The task group submitted 23 technical and 2 editorial issues for consideration in the ISO ballot resolution process, and prepared responses to 22 comments submitted by four national bodies: Japan (16), Switzerland (1) UK (1), and US (4). Please note that these comments are represented from the CLI specification (ECMA-335).

The task group also prepared responses to 3 comments submitted by one national body, Japan, for the CLI Technical Report (ECMA-TR84).

Both ECMA-335 and ECMA-TR84 have received unanimous approval for ISO standardization at the ISO ballot resolution meeting in Hawai'i.

Mr. Marcey, was unanimously elected as the convener for TG3 and **Mr. Jaeschke,** was unanimously elected as editor. The TC39 Chairman rendered many thanks to **Mr. Miller** (Microsoft) for his excellent work as Editor of TG3 and to **Mr. Ruby** as convener of TG3.

Status report from Task Group 4: Eiffel

Mr Van den Beld reported that initial progress has been made in the formation of TG4 and that initial meetings have been successful.

Election of Officers

Mr. Joel Marcy was unanimously elected as Chairman of TC39

Mr. Andrew Clinick was unanimously elected as Vice Chairman of TC39.

Drafts to be submitted to the GA for adoption

1. Common Language Infrastructure (CLI) Specification Edition 2
2. C# Language Specification Edition 2
3. Common Language Infrastructure Technical Report Edition 2

Recommendations

Consistent with the agreements made at the most recent meeting of TC39, and in consultation with the SG the following recommendations are made by the chairman:

1. The General Assembly adopt the Common Language Infrastructure (CLI) Specification Edition 2
2. The General Assembly adopt the C# Language Specification Edition 2
3. The General Assembly adopt the CLI Technical Report Edition 2

Andrew Clinick (Microsoft)

Chairman TC39