

**Minutes of the:
held in:
on:**

**18th meeting of Ecma TC39
Redmond, Washington, USA
24 September 2004**

Chairman: Mr. J. Marcey (Intel)
Vice-Chairman: Mr. A. Clinick (Microsoft)
Secretary: Mr. J. van den Beld (SG Ecma International)
Attending: Mr. K. Dunsavage (Intel), Mr. K. Hoover (Microsoft), Mr. R. Jaeschke (Microsoft), Mr. J. Jagger (Microsoft/JSL), Mr. B. Kadhim (Fujitsu), Mr. N. Perry (University of Canterbury), Mr. T. Plum (Plum Hall), Mr. B. Schulze (Macromedia), Mr. P. Sestoft (University of Copenhagen).
Guests: Mr. T. Kurokawa (CSK Japan)

1 Opening, welcome and roll call

Mr. Marcey, Chairman of TC39, opened the meeting. A roll call was held.

2 Adoption of the agenda (2004/31)

The agenda was adopted.

3 Approval of the minutes of the 17th meeting (2004/17)

The minutes of the 17th meeting were approved.

4 Matters arising from the minutes not covered elsewhere

None. An example of a subject under this agenda item, is a discussion about the status of an ongoing fast-track ballot.

5 Reports / actions

5.1 Status report from Task Group 1: Dynamic Scripting Language

Mr. Schulze, Convenor of TG1, presented the TG1 report and status: see 2004/37.

The meeting expressed a lot of appreciation for Mr. Yu, who had to step down as TG1 Convenor, and to Mr. Schneider, who made a huge effort as Editor of ECMA-357: E4X.

TG1 is taking a fairly straight marketing approach to arrive at the next 4th edition of ECMA-262: ECMAScript.

Some of the enhancements to be interpreted in Edition 4 are classes, runtime type checking and the integration of the E4X language features.

5.2 Status report from Task Group 2: C#

Mr. Jagger, Convenor of TG2, presented the TG2 report and status: see 2004/34.

The new edition is in good shape for approval in June 2005.

TC39 thanked **Mr. Jagger**, who steps down as Convenor of TG2, for his due leadership and his many to the point contributions. **Mr. Perry** will be the new Convenor.

5.3 Status report from Task Group 3: Common Language Infrastructure

Mr. Marcey, Convenor of TG3, presented the TG3 report and status: see 04/33.

The current working draft of the specification is WD2.8, which means that eight iterations of the specification have been edited and circulated since edition 2.

There are currently 82 action items and 72 open comments on CLI. Despite the need to apply an aggressive schedule to resolve all items, TG3 expects to finish the draft in time for approval by TC39 in March 2005. A special plan has been developed to balance between the Ecma work and the Beta 2 product release work by the experts from Microsoft.

To enable more public engagement with the CLI standard, the task group has established a public mailing list, graciously created and hosted by Novell. The public mailing list address is ecma-cli@lists.ximian.com and can be subscribed to at <http://lists.ximian.com/mailman/listinfo/ecma-cli>.

There will be no change of Officers in TG3.

5.4 Status report from Task Group 4: Eiffel

Mr. Stapf, Convenor of TG4, has prepared the TG4 report: see 04/36. Mr. Marcey presented this report.

TG4 uses ETL3 ("Eiffel the Language 3") as base document for the standard: its review has now almost been completed. 101 proposals are under consideration.

The goal of TG4 is to have a first edition of the standard ready for approval by the Ecma GA in June 2005.

There will be no change of Officers in TG4.

5.5 Status report from Task Group 5: CLI Binding for C++

Mr. Plum, Convenor of TG5, presented the TG5 report and status: see 04/35.

The goal of TG5 is to complete and approve its Standard in June 2005.

Generalization of the type system has been a major effort in TG5. The native types of C++ can be mapped on those in CLI.

TG5 is assigning tasks during meetings to small groups which work in parallel. This turns out to be quite effective.

Also here, there is the need to balance between the Ecma work and the product release (which took place in August 2004).

There are currently 94 outstanding action items.

There will be no change of Officers in TG5.

6 Any other business

6.1 Liaison with ISO/IEC JTC 1/SC22

Mr. Jaeschke, bi-di liaison officer, reported on last SC22 Plenary Meeting held in South Korea during the week of 6th of September 2004: see also TC39/04/26.

The outcome could be interesting because the meeting took a resolution to seek JTC 1's approval and support for making the freely available electronic versions of the ISO/IEC standards resulting from fast-track submissions easier available than via the current "back-door" URL.

JTC 1 will deal with the request in its Plenary Meeting in Berlin the week of 25th of October 2004.

Other subjects of interest in JTC 1 are:

- involvement in standards developed outside JTC 1, e.g., in Ecma followed by fast-track submission.
- maintenance of fast-tracked standards and PASs (Publicly Available Specifications, e.g., the Linux Standards Base (LSB) spec.).

8 Date and place of next meeting

No 19, Hawaii/Big Island, 11th of March 2005, starting at 13:30, on kind invitation by Plum Hall.

The TC39 Plenary meeting is preceded by TG (TG2, TG3, TG5) meetings during this week of 7-11 March 2005.

9 Closure

Mr. Marcey, Chairman of TC39, thanked Microsoft for the logistics, hospitality and meeting facilities, and Ecma for a well-attended social event.

The meeting was then closed.