

## Standardizing Information and Communication Systems

### Minutes of the 13<sup>th</sup> meeting of TC39 held in Redmond on 21<sup>st</sup> March 2002

- Chairman:** Mr. A. Clinick (Microsoft)
- Secretary:** Mr. J. van den Beld (SG ECMA)
- Attending:** Mr. Beard (Netscape), Mr. de Icaza (Ximian), Ms Horton (Microsoft), Mr. Jaeschke (Microsoft), Mr. Kadhim (Fujitsu), Mr. Ksar (Microsoft), Mr. Marcey (Intel), Mr. Meyer (ETH/ISE), Mr. Miller (Mainsoft), Mr. Miller (Microsoft), Ms. Mingins (Monash University), Mr. Plum (Plum-Hall), Mr. Ruby (IBM), Mr. Schneider (BEA), Mr. Stapf (ISE), Ms Thompson (HP), Mr. Torr (Microsoft), Mr. Wiltamuth (Microsoft)
- Excused:** Mr. Horwat, Mr. Lewis

#### 1 Opening, welcome and roll call

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

#### 2 Adoption of the agenda (02/4)

The agenda was adopted.

#### 3 Approval of the minutes of the 12<sup>th</sup> meeting (2001/16)

The minutes were approved.

#### 4 Matters arising from the minutes not covered elsewhere

None

#### 5 Reports / actions

##### 5.1 Status report from TG1: ECMAScript

Mr. Torr, Convenor of TG1, presented his report (2002/7). Good progress has been made during the last half year in the preparation of the 4<sup>th</sup> 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 Agreement has been archived on the execution model, and other important issues.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.

The rather new SALT Forum is going to use ECMAScript: see: <http://www.saltforum.org/>

##### 5.2 Status report from TG2: C<sup>#</sup>

Ms Thompson, Convenor of TG2, presented her report (2002/6).

The TG is now collecting possible comments for the ISO ballot of the fast-track ECMA-334 (DIS 23270).

**Mr. Plum** expressed high appreciation for the quality of the work done by TG2 in developing the C# Standard. He found amazingly few issues – 6 to 8 – when preparing the test suite for C#. He has rarely seen a document defining a programming so well.

### 5.3 Status report from TG3: CLI

**Mr. Ruby**, Convenor of TG3, presented this report (2002/8).

The task group is currently collecting issues, clarifications and typographical errors in the standard to be submitted to the ISO balloting process. A write-up of these will be prepared prior to the meeting in June 2002, at which time plan for completion will be made.

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

## 6 Presentation and discussion of new work proposals

### 6.1 Presentation of Eiffel

**Prof. Meyer** of the ETH in Zürich and the company ISE gave a lively and interesting presentation about Eiffel: see 2002/9.

An extensive explanation was given about the following aspects of Eiffel:

- Method: seamlessness, reversibility, design-by-contract, uniform access....
- Language: O-O, genericity, multiple inheritance....
- Environment: Eiffelstudio, Visual Studio....
- Component libraries: Eiffelbase, Eiffelvision ....

The development of Eiffel has started in 1985, and ISE has released version 5.0 mid July 2001.

The Eiffel language is still very close to its original 1985 design. ETL 3 (“Eiffel, The Language”) is targeted for standardization.

The goal is to arrive at an ECMA Standard in about 1,5 years, followed by a fast-track submission to JTC 1.

### 6.2 Discussion

From the discussion by TC39 the following was noted:

- There are at least four implementations, from:  
two German companies, ISE and the University of Nancy (SmallEiffel).
- Terms of Reference (Scope, PoW) are needed
- It must be warranted that an ETL 3 Standard can be developed without infringing any copyrights.  
The standard will be extracted from the upcoming book on ETL 3: **Mr. Meyer** will check into this, but does not expect a problem.
- **Ms Mingins** is proposed as Convenor for a new TG in TC39, the editor is **Mr. Meyer**. **Mr. Stapf** will act as liaison officer with TG3.
- An invitation letter will be sent by **Ms Mingins** to interested parties, including the Nice Forum on Eiffel.

### 6.3 Actions

The TC39 decided unanimously to set up TG4 for the standardization of Eiffel.

TG4 will have to agree on a ToR at their first meeting, which is scheduled for 30<sup>th</sup>-31<sup>st</sup> May 2002, in Zürich/Switzerland.

## 7 Any other business

None

## **8 Date and place of the next meetings**

The 14<sup>th</sup> TC39 meeting will be held back-to-back with the ballot resolution meetings for DIS 23270 (C<sup>#</sup>) and DIS 23271 (CLI) / dTR 23272 (CLI)

30<sup>th</sup> September 2002: TC39 and TGs, with educative sessions, if required

1<sup>st</sup>-2<sup>nd</sup> October 2002: CLI ballot resolution (1,5 day)

2<sup>nd</sup>-3<sup>rd</sup> October 2002: C<sup>#</sup> (1 day)

3<sup>rd</sup> October: TC39 (continued on 4<sup>th</sup> October, if needed).

The meetings will be held on Hawaii/Big Island.