Agenda for the: *32nd meeting of Ecma TC39*

in: *San Francisco CA, USA*

on: *29-31 January 2013*

TIME: **10:00 till 17:00 on 29th and 30th of January 2013**
10:00 till 16:00 on 31st of January 2013

LOCATION: **Conference room "The Board Room"**
Mozilla Foundation
2 Harrison Street
San Francisco, CA 94105, USA
Street map: click here

Please register here before **23 January 2013.**

The Mozilla Foundation San Francisco office manager, Cristina Akimoff, can direct arriving people.

Tuesday Jan 29 Mozilla will host an outing at Ozumo (http://www.ozumo.com/)

Wednesday Jan 30 -- Ecma hosts an outing to Epic Roasthouse (www.epicroasthouse.com).

1   Opening, welcome and roll call

1.1   Opening of the meeting (Mr. Neumann)
1.2   Introduction of attendees
1.3   Host facilities, local logistics

2   Adoption of the agenda (2013/004-Rev1)

3   Approval of minutes from November 2012 (2012/086)

4   Discussion of ES harmony (technical contributions are available and can be found on the ES wiki)

4.1   "is/isnt" operators
4.2   Is SameValue really what we want for Map/Set equivalence? (the -0 different from +0 issue)
4.3   Parameterize the equivalance operator for Map/Set?
4.4   Is there a need for Number.isNaN if we have **Object.is** available?
4.5   Why standardizing on __proto__ and not __define(G|S)etter__, __lookup(G|S)etter__ ?

In a recent es-discuss thread, Brendan stated:

[…] So the full answer to Andreas and others' query about why __proto__

normative mandatory in ES6 but no __define/lookup... is:

1. __proto__ much more used on the mobile (iOS WebKit-first) web, no equivalent interop pressure for __d/l.

2. ES5 is in all new/evergreened browsers and it has standard APIs supplanting __d/l but nothing for writing to __proto__.

Therefore __proto__ gets standardized, __d/l do not.

Offlist, I mentioned that we should add this discussion to the agenda for next meeting so that we can say this out loud, entered as a resolution in consensus, and then published as a matter of public record.

1. Rationale for not adding Object.setPrototypeOf

https://mail.mozilla.org/pipermail/es-discuss/2012-May/022904.html

Brendan

4.6 A. Kevin Smith's grand compromise proposal for ES6 strict and sloppy semantics

(https://mail.mozilla.org/pipermail/es-discuss/2012-December/027736.html):
> (1) No opt-in required for new syntax, except:
> (2) No breaking changes to sloppy mode, and
> (3) No grammar contortions (e.g. let) to support sloppy mode. And
> (4) All new syntax forms with code bodies are implicit strict.

Item (2) raises the question of what to do about function-in-block,
separated out here as item C below.

B. Should sloppy-mode function-in-block usage on the web be broken, with specific evangelism of 20 or so sites relying on its de-facto intersection semantics that don't intersect with ES6's?

See
https://mail.mozilla.org/pipermail/es-discuss/2012-December/027419.html
et seq.

4.7 Fail-fast destructuring with ?-syntax for irrefutable opt-in:

>/1. No ToObject(RHS).
/>/2. Exception on missing property selected without a ?-suffix.
/>/3. ?-suffix allowed on any pattern, imputing undefined deeply instead
of refuting. /
>/4: the ? is a separate lexeme from the : in long-hand patterns.
/
One entry point:
https://mail.mozilla.org/pipermail/es-discuss/2013-January/027800.html,
wherein Allen argues cogently against (1) but endorses (2-4).

Brendan

4.8 Refactored new operator and the @@create method

4.9 Update on built-in subclassing based upon @@create

4.10 data to share on real world javascript usage (function-in-block, duplicate parameter names, const, strict mode, var let/let[x]=1, and maybe more) if people are interested. Could also just distribute the deck if the agenda is tight.

4.11 Name property of functions

http://wiki.ecmascript.org/doku.php?id=strawman:name_property_of_functions

4.12 TypedArrays: specification progress and open issues. (Allen)

4.13 Revisit the @-names discussion/resolution from the November meeting.

A significant body of work has emerged that I feel makes a strong case towards making an exception to the cut-off deadline. I'd like to urge everyone to take a moment to review this: https://github.com/Benvie/continuum/tree/gh-pages/engine/builtins

5 Edition 5.1 Issues

6 Second edition of ECMA-402.

6.1 Status report

7 Test 262 Progression

7.1 Status report

8 Status Reports

8.1 Report from Geneva

8.1.1 Brief report from the IPR meeting

8.1.2 Approval of the TC39 RFTG Scope (TC39-2013-003)

9 Date and place of the next meeting(s)

Schedule 2013 meetings:

- March 12 – 14, 2013 (Yahoo)
- May 21 – 23, 2013 (Google)
- July 23 – 25, 2013 (Redmond)
- September 24 – 26, 2013 (Boston)
- November 19 – 21, 2013 (PayPal)

10 Closure