Minutes of the: *Ecma TC39-TG1*

held in: *Phone conference*

on: *23rd August 2006*

Attendees

- Jeff Dyer, Adobe Systems
- Pratap Lakshman, Microsoft
- Brendan Eich, Mozilla Foundation
- Graydon Hoare, Mozilla Foundation
- Michael O'Brien, mbedthis
- Lars Hansen, Opera Software
- Cormac Flanagan, UC Santa Cruz
- Doug Crockford, Yahoo!

Agenda

- Recent wiki changes
- Followups from past meetings
- Plans for next meetings

Discussion

- Doug to propose triple-quoting, both for multiline strings that can include " and ', and for doc comment meta-data.

- Lars points out that the iterator type is a recursive structural type – Brendan promises fixed and more complete proposal next week.

- Can we drop `cast` in favor of `to`? Resolution: no, want both: "is cast to" .

- Cormac raises the conversion to union type question: which type? First in left-to-right order that can convert?
    - Graydon: perhaps require exactly one type in union convert to convert implicitly, otherwise you have to disambiguate.
    - Michael: be explicit always?
    - Graydon: isn't the use-case one where the converting code does not know it has a union target in hand?
    - Cormac: odd if a function taking double is passed `int`, then grows to take a union `(Boolean, double)` and the call breaks.
    - Graydon: then back to pick first in left-to-right order that has conversion.
    - Brendan: why not always require first to have a conversion, for implicit conversion to work?
    - Graydon: so in evolving an interface using a union type, always add at the end.
    - Lars: union (decimal, ...) and you add double – ambiguity if the first type with a conversion rule is used.
    - People want to think about "implicit conversion uses left-most type" rule.

- Conversion to boolean, type_system under "Type Checking": since all built-in types convert to `Boolean`, why not have the type system model things that way? Ok.

- Lars: meeting agenda for September face-to-face at Mozilla should be constructed in advance.

- Jeff: make Oct. 1 the deadline for what's in the spec, so what is "in" should be first agenda item for Sept. meeting.

- Michael to wiki issues/bugs he's found in grammar.

- Pratap: re-export wiki? Brendan: could be helpful to get more eyes on proposals. Jeff: let's talk about it next week. Brendan: can we highlight changes from the last export? Graydon: maybe.

- Brendan: let's follow up on es4-discuss re: nullability by default, no call/cc or coroutines, other dangling threads.

- Lars: proposal walk-through in Oslo left a bunch of items "open" – we need to go through those next week too.