

test262

Status Report

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Agenda

- Changes since last TC39 meeting
- Bug metrics
- Test case work items
- test262 logistics

Changes

- **389** tests added in late February
- [BSD-style license file](#) in root of Hg enlistment
- Microsoft-based sources now include Ecma copyright
- 19 **new** bugs (incl. 1 website issues)
- 26 bugs **resolved** (incl. 10 website issues)
- Pre-populated bugs.ecmascript.org bug reports *
- [Internationalization 402](#) mini-suite now live, albeit not advertised

Bug Metrics

Website + Harness

	Confirmed	In Progress	Resolved	Total
Blocker	<u>0</u>	<u>0</u>	<u>3</u>	<u>3</u>
Normal	<u>0</u>	<u>0</u>	<u>4</u>	<u>4</u>
Minor	<u>2</u>	<u>1</u>	<u>3</u>	<u>6</u>
Trivial	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>
Enhancement	<u>11</u>	<u>1</u>	<u>11</u>	<u>23</u>
Total	<u>13</u>	<u>2</u>	<u>22</u>	<u>37</u>

Test Cases

	Confirmed	In Progress	Resolved	Total
Blocker	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>
Major	<u>2</u>	<u>0</u>	<u>3</u>	<u>5</u>
Normal	<u>11</u>	<u>0</u>	<u>52</u>	<u>63</u>
Minor	<u>0</u>	<u>0</u>	<u>4</u>	<u>4</u>
Enhance.	<u>3</u>	<u>0</u>	<u>11</u>	<u>14</u>
Total	<u>16</u>	<u>0</u>	<u>72</u>	<u>88</u>

Test Case Work Items

Double-check that test coverage of Chapter 10 is adequate *
Need academic-like review of existing test coverage versus ES5.1 *
Certain Sputnik tests run incredibly slowly by design.
Coverage: Make sure differences between Object literal and JSON grammar are tested
Coverage: Need a test for round-to-larger behavior in Number.prototype.toPrecision
Coverage: Missing Function.prototype.bind tests
Coverage: Missing test for undefined being non-writable
Coverage: Date.parse and Date.prototype.toISOString should be tested
Coverage: Double-check that we have coverage for all of Annex F
Coverage: need tests for repeated calls to ES5 getter/setter properties
Coverage: need check that setter defined for Array.prototype[0] gets called on [].push(...)
Coverage: Test for 7.6, keywords with unicode escapes.
Coverage: missing tests for this in the context of getters
Coverage: Date.prototype.setXXX functions evaluate all parameters
Coverage: Chapter 16 - Early error if PutValue will be called with non-Reference type
Coverage: 10.5 Declaration Binding Instantiation, step 5e

test262 Logistics

- David Fugate will move to another role within Microsoft as of April 1
- Bill Ticehurst will be backfill for David for test262
- New Ecma contributor's agreement form on the way from Microsoft covering **all** future versions of ECMAScript
- Focus will primarily be on new tests for ES6
- Others encouraged to submit tests for ES5.1 and ES6