Status Report – May 2011

test262

Agenda

- Site changes since previous TC39 Meeting
- Test coverage
- Path to test262 "**RTM**"

Changes since previous TC39 Meeting

- Site certificate issue on http://bugs.ecmascript.org fixed (thanks Dave!)
- Roughly 450 (mostly Strict Mode) test case additions since March
- Sputnik negative test semantics preserved
- More of Sputnik (positive/negative) test case metadata preserved
- Many small bug fixes

Test Coverage
ES5 Additions Completely Missing Tests

None known*

Test Coverage
ES5 Additions With Insufficient Coverage

Section	Existing Tests	Missing Tests
Chapter 10	107	None known

Path to test262 *RTM* (aka 1.0)
Proposal

1. Develop test262 into the most comprehensive JavaScript test suite publically available
2. Identify and fill test holes discovered in test262's coverage of ES5
3. Cleanup
4. Continue with periodic test case updates as needed*

test262 viewed *positively* by the web community and JavaScript implementers:
- Holes in test coverage identified and filled
- User-reported website bugs fixed
- Remaining invalid tests identified and either fixed or disabled
- **test262 RTMs within six months of test262 officially being labeled as Beta**

Path to test262 *RTM* (aka 1.0)
Levels of Investment

Minimal	Expected	Full
Must-fix website issues. Cost: 10.75 hours	Normal priority website issues/features resolved. Cost: +29 hours	• Test "Search" feature • HTML'ized spec w/ tests embedded • Etc. Cost: +205 hours
Must-fix harness issues. Cost: 40 hours	Normal priority harness issues/features. Cost: +80 hours	• Non-ES5 extensions to harness • Etc. Cost: +20 hours
Must-fix test case defects/holes. Cost: 89 hours	Normal test case defects/holes. Cost: +31 hours	• Academic-like review of existing test coverage • Etc. Cost: +322 hours

Notes (this slide only)

Priorities correlate to work item priorities on http://bugs.ecmascript.org:
- Minimal ➜ High Priority
- Expected ➜ Normal Priority
- Full ➜ Low Priority

Costing also based on bugs.ecmascript.org costing and *high-quality* implementations. A lower quality resolution implies less costing.

Path to test262 *RTM* (aka 1.0)
Open Issues

- Server powering test262.ecmascript.org seems a bit sluggish
- Root access to test262.ecmascript.org
- Many disabled Sputnik tests today