Erratum for Final ES5 Specification (TC39-2009-055 and GA/2009/190)

(Last Updated November 22, 2009)

8.6.1 Property Attributes

Table 6 (second row)

[[Set]]	Object *or* Undefined	If the value is an Object it must be a function Object. The function's [[Call]] internal method (8.6.2) is called with an arguments list containing the assigned value as its sole argument each time a set access of the property is performed. The effect of a property's [[Set]] internal method may, but is not required to, have an effect on the value returned by subsequent calls to the property's [[Get]] internal method.

10.5 Declaration Binding Instantiation

(starting with algorithm step 5)

5. For each *FunctionDeclaration f* in *code*, in source text order do
   a. Let *fn* be the *Identifier* in *FunctionDeclaration f*.
   b. Let *fo* be the result of instantiating *FunctionDeclaration f* as described in Clause 13.
   c. Let *funcAlreadyDeclared* be the result of calling *env's* HasBinding concrete method passing *fn* as the argument.
   d. If *funcAlreadyDeclared* is **false**, call *env's* CreateMutableBinding concrete method passing *fn* and *configurableBindings* as the arguments.
   e. Call *env's* SetMutableBinding concrete method passing *fn*, *fo*, and *strict* as the arguments.
6. Let *argumentsAlreadyDeclared* be the result of calling *env's* HasBinding concrete method passing `"arguments"` as the argument
7. If *code* is function code and *argumentsAlreadyDeclared* is **false**, then
   a. Let *argsObj* be the result of calling the abstract operation CreateArgumentsObject (10.6) passing *func, names, args, env* and *strict* as arguments.
   b. If *strict* is **true**, then
      i. Call *env*'s CreateImmutableBinding concrete method passing the String `"arguments"` as the argument.
      ii. Call *env*'s InitializeImmutableBinding concrete method passing `"arguments"` and *argsObj* as arguments.
   c. Else,
      i. Call *env*'s CreateMutableBinding concrete method passing the String `"arguments"` as the argument.
      ii. Call *env*'s SetMutableBinding concrete method passing `"arguments"`, *argsObj*, and **false** as arguments.
8. For each *VariableDeclaration* and *VariableDeclarationNoIn d* in *code*, in source text order do
   a. Let *dn* be the *Identifier* in *d*.
   b. Let *varAlreadyDeclared* be the result of calling *env's* HasBinding concrete method passing *dn* as the argument.
   c. If *varAlreadyDeclared* is **false**, then
      i. Call *env*'s CreateMutableBinding concrete method passing *dn* and *configurableBindings* as the arguments.

11.8.5 The Abstract Relational Comparison Algorithm

1. If the *LeftFirst* flag is **true**, then

11.8.7 The in operator

1. Let *lref* be the result of evaluating *RelationalExpression*.
2. Let *lval* be GetValue(*lref*).
3. Let *rref* be the result of evaluating *ShiftExpression*.
4. Let *rval* be GetValue(*rref*).
5. If Type(*rval*) is not Object, throw a **TypeError** exception.
6. Return the result of calling the [[HasProperty]] internal method of *rval* with argument ToString(*lval*).

12.6.4 The `for-in` Statement

The mechanics and order of enumerating the properties (step 6.a in the first algorithm, step 7.a in the second) is not specified. Properties of the object being enumerated may be deleted during enumeration. If a property that has not yet been visited during enumeration is deleted, then it will not be visited. If new properties are added to the object being enumerated during enumeration, the newly added properties are not guaranteed to be visited in the active enumeration.

15.1.3 URI Handling Function Properties

(Step 4.d(vii)(8) of Decode Algorithm)

8. Let *V* be the value obtained by applying the UTF-8 transformation to *Octets*, that is, from an array of octets into a 32-bit value. If *Octets* does not contain a valid UTF-8 encoding of a Unicode code point throw a **URIError** exception.

Annex E

15: In Edition 5, the following new properties are defined on built-in objects that exist in Edition 3:
`Object.getPrototypeOf`, `Object.getOwnPropertyDescriptor`,
`Object.getOwnPropertyNames`, `Object.create, Object.defineProperty`,
`Object.defineProperties, Object.seal, Object.freeze, Object.preventExtensions`,
`Object.isSealed, Object.isFrozen, Object.isExtensible, Object.keys`,
`Function.prototype.bind, Array.prototype.indexOf, Array.prototype.lastIndexOf`,
`Array.prototype.every, Array.prototype.some, Array.prototype.forEach`,
`Array.prototype.map, Array.prototype.filter, Array.prototype.reduce`,

Allen Wirfs-Brock 11/22/2009 10:53 AM
Comment [2]: Move from previous step 6

Allen Wirfs-Brock 11/20/2009 4:10 PM
Formatted: Font:Bold

Allen Wirfs-Brock 11/20/2009 3:41 PM
Deleted: <#>Call ToString(*lval*).

Allen Wirfs-Brock 11/22/2009 11:01 AM
Deleted: guaranteed not

Allen Wirfs-Brock 11/20/2009 7:50 PM
Deleted: *Octects*

Allen Wirfs-Brock 11/22/2009 10:53 AM
Comment [3]: Inserted letter s

`Array.prototype.reduceRight`, `String.prototype.trim`, `Date.now`,
`Date.prototype.toISOString`, `Date.prototype.toJSON`.