

ID	Owner	Status	IssueType	Context	Title	Description	Notes	ModifiedDate	OpenDate	ResolveDate
1	Waldemar		Work item	2 Conformance	Ensure conformance section states Unicode 3.0 or later	Not yet written	This is prose and will be done after algorithms completed.	6/5/2003	5/8/03	
3	Markus		Work item	7.2 White space	Rewrite based on Unicode White_Space property.	Markus to write draft, Waldemar to merge into document. Section 7.2 and 7.3 should be switched so White Space can be written in terms of Line Breaks.	Draft completed and located at <a href="http://www.mindspring.com/~markus.scherer/unicode/lexer-grammar-markus-20030619.rtf">http://www.mindspring.com/~markus.scherer/unicode/lexer-grammar-markus-20030619.rtf</a> . This is prose and will be done after algorithms completed.	7/1/03	5/8/03	
4	Markus		Work item	7.5 Keywords and Identifiers	Rewrite based on ID_Start, Other_ID_Start character classes.	Markus to write draft, Waldemar to merge into document	Draft completed and located at <a href="http://www.mindspring.com/~markus.scherer/unicode/lexer-grammar-markus-20030619.rtf">http://www.mindspring.com/~markus.scherer/unicode/lexer-grammar-markus-20030619.rtf</a> . This is prose and will be done after algorithms completed.	7/1/03	5/8/03	
5	Waldemar		Work item	6 Source Text, 7.5 Keywords and Identifiers, 7.8 String Literals	Add \U syntax in strings and identifiers	Allow supplementary code points in strings and identifiers. Feature for regular expression literals is cut.	Lexical grammar has been updated. Semantics are blocked on #12.	7/1/03	5/8/03	
6	Waldemar		Work item		Update terminology to match Unicode	Use code unit, code point, and character the same way as Unicode standard.	This is prose and will be done after algorithms completed.	6/5/2003	5/8/03	
7	Waldemar		Work item		stringFromCharCode should allow supplementary code points		Algorithm is not yet written.	6/5/2003	5/8/03	
11	Waldemar		Work item	11.2 Identifiers	All instances of "exclude" and "include" should be removed.	In addition to section "11.2 Identifiers", updates needed in section "7 Lexical Grammar" and "7.5 Keywords and Identifiers"	Removed from algorithms, but still needs to be removed from prose in sections 7, 7.5.	6/5/2003	5/8/03	
12	Waldemar		Work item		Modify lexer to support supplementary code points	Waldemar is having difficulty adding this due to implementation constraints. Markus to take a look and suggest implementation options.	Added char16 and char21 classes to represent code units and code points. Added <<UXXXXXXXX>> syntax for representing supplementary characters.	7/1/03	5/22/03	
14	Waldemar		Work item	16.3 Built-in Functions	Implement Global object methods			6/5/2003	6/5/03	
17	Waldemar		Work item		Implement Math class			6/5/2003	6/5/03	
18	Waldemar		Work item	17.12 String	Implement RegExp methods on characters and Strings.			6/5/2003	6/5/03	
19	Waldemar		Work item	17.13 Array	Implement Array methods			6/19/03	6/5/03	
20	Waldemar		Work item	17.15 Attribute	Implement Attribute methods			6/5/2003	6/5/03	
21	Waldemar		Work item	17.16 Date	Implement Date methods			6/5/2003	6/5/03	
22	Waldemar		Work item	17.17 RegExp	Implement RegExp methods			6/5/2003	6/5/03	
23	Waldemar		Work item	17.18 Class	Implement Class methods			6/5/2003	6/5/03	
24	Waldemar		Work item	17.19 Function	Implement Function methods			6/5/2003	6/5/03	
25	Waldemar		Work item	17.20 Package	Cleanup package definitions			6/5/2003	6/5/03	
27	Rok		Work item		How should implicit and explicit coersions of the null value to the String type work?	There is agreement that string should allow the null value in order to interoperate with object model. The question that remains is how implicit and explicit coersions of null to String work.		6/5/2003	6/5/03	
30	Waldemar		Work item	11.1 Terminal Actions	Make sure prose for 11.1 Terminal Actions defines what Name[Identifier] means for Identifier token.	See issue #28 for disucussion.		6/5/2003	6/5/03	
33	Rok		Work item	11.4 Primary Expressions	Re-review 11.4 Primary Expressions when RegExp is added.	Primary expressions is marked as accepted except for the regexp case in the semantics which hasn't been completed yet.		6/5/2003	6/5/03	
37	Waldemar		Work item	11.8 Super Expressions	makeLimitedInstance doesn't adjust archetype field. May screw up deep hierarchies.	Most likely hit when error hierarchy is defined. Review then.		6/5/2003	6/5/03	
40	Waldemar		Review issue	17.1 Object	constructObject should create a new instance when no arguments are passed in.			6/19/2003	6/19/2003	
41	Waldemar		Work item		Implement methods to help run test cases	Microsoft needs a way to load and run an ECMAScript program stored on disk. They also need a built in object model call to print to console or file.		6/19/03	6/19/03	
42	Waldemar	Resolved	Design		How should IndexRead be defined?	E3 array algorithms are inconsistent as to whether the prototype is looked at for index properties. As an example, shift looks at the prototype chain for first item, but none of the others.	The cases where array elements are stored in the prototype chain are rare and the standard will allow implementations to choose whether they walk the prototype chain when resolving indicies.	7/1/03	7/1/03	7/1/03
43	Waldemar	Resolved	Design		Review use of HasProperty to make a string behave as an array of characters		The working group has no issues with this implementation choice.	7/1/03	7/1/03	7/1/03
44	Waldemar	Resolved	Design		Which implicit coersions should be supported?		In addition to trivial coersions, standard will also supply implicit coersions between number types and between char and strings of length 1.	7/1/03	7/1/03	7/1/03

45	Waldemar	Resolved	Design	What exceptions should be thrown during number conversions? What precision should be preserved?		RangeErrors will be thrown for number conversions. Standard will allow implementations to choose how 20th digit to is rounded on conversion from string to Number.	7/1/03	7/1/03	7/1/03
46	Waldemar	Resolved	Design	How should ambiguities and inconsistencies found in E3 object model be dealt with?		When ambiguities exist in E3 behavior, the issue and the E4 will either specify behavior compatible to E3 or for questionable semantics, make the cases errors.	7/1/03	7/1/03	7/1/03
47	Waldemar	Resolved	Design	How should object model handle unexpected input?		Make missing arguments behave the same as if an undefined value is passed in. It will be an error to supply too many arguments.	7/1/03	7/1/03	7/1/03
48	Waldemar		Design	What are the semantics for characters?			7/1/03	7/1/03	
49	Waldemar		Design	What are the consequences of introducing numeric types (float, int, etc) to the object model?			7/1/03	7/1/03	
50	Waldemar		Work item	Review variable declarations, function definitions, and signature matching			7/1/03	7/1/03	
51	Waldemar		Work item	Review property look up algorithm			7/1/03	7/1/03	
52	Waldemar		Work item	Add mechanism to load and run ECMAScript programs from disk			7/1/03	7/1/03	
53	Waldemar		Work item	Add built-in object model to log results from test case runs			7/1/03	7/1/03	
54	Waldemar		Work item	Update indexRead prose to make it clear that behavior of method may vary depending on call site.	See (42). Clarify constraints on implementation dependent IndexRead behavior.		7/1/03	7/1/03	
55	Waldemar		Review issue	17.13 Array The range check on the index for writeArray needs to occur before ordinaryWrite is called.			7/1/03	7/1/03	
56	Waldemar		Work item	Add implicit coercion between char and strings of length 1			7/1/03	7/1/03	
57	Waldemar	Postponed	Review issue	Should user defined implicit coercions be supported on classes?		Not critical for E4. Consider for a future edition.	7/1/03	7/1/03	7/1/03
58	Waldemar		Work item	Make float32 a subtype of GeneralNumber.			7/1/03	7/1/03	
59	Rok		Work item	Confirm that Edition 3 allows implementations to round the 20th digit so they do not need to implement arbitrary precision arithmetic.			7/1/03	7/1/03	
60	Waldemar	Postponed	Design	Should coercion routines take a locale parameter?		Defining a locale object is very costly. Consider in a future edition.	7/1/03	7/1/03	7/1/03