

E4		Status		Notes	E3 Reference	
Section	Title	Algorithm	Prose		Section	Title
1	Scope	NA	Ready		1	Scope
2	Conformance	NA			2	Conformance
3	Normative References	NA			3	Normative References
4	Overview	NA			4	Overview
5	Notational Conventions	NA	Ready		5	Notational Conventions
5.1	Text	NA		Needs to incorporate Markus' I18N/Unicode proposal and reconcile terminology with Unicode standard		
5.2	Semantic Domains	NA	Ready			
5.3	Tags	NA	Ready			
5.4	Booleans	NA	Ready			
5.5	Sets	NA	Ready			
5.6	Real Numbers	NA	Ready			
5.6.1	Bitwise Integer Operators	NA	Ready			
5.7	Characters	NA	Ready			
5.8	Lists	NA	Ready		8.8	The List Type
5.9	Strings	NA	Ready			
5.10	Tuples	NA	Ready			
5.10.1	Shorthand Notation	NA	Ready			
5.11	Records	NA	Ready			
5.12	ECMAScript Numeric Types	NA	Ready			
5.12.1	Signed Long Integers	NA	Ready			
5.12.1.1	Shorthand Notation	NA	Ready			
5.12.2	Unsigned Long Integers	NA	Ready			
5.12.2.1	Shorthand Notation	NA	Ready			
5.12.3	Single-Precision Floating-Point Numbers	NA	Ready			
5.12.3.1	Shorthand Notation	NA	Ready			
5.12.3.2	Conversion	NA	Ready			
5.12.3.3	Arithmetic	NA	Ready			
5.12.4	Double-Precision Floating-Point Numbers	NA	Ready			
5.12.4.1	Shorthand Notation	NA	Ready			
5.12.4.2	Conversion	NA	Ready			
5.12.4.3	Arithmetic	NA	Ready			
5.13	Procedures	NA	Ready			
5.13.1	Operations	NA	Ready			
5.13.2	Semantic Domains of Procedures	NA	Ready			
5.13.3	Steps	NA	Ready			
5.13.4	Nested Procedures	NA	Ready			
5.14	Grammars	NA	Ready			
5.14.1	Grammar Notation	NA	Ready		5.1.5	Grammar Notation
5.14.2	Lookahead Constraints	NA	Ready			
5.14.3	Line Break Constraints	NA	Ready			
5.14.4	Parameterised Rules	NA	Ready			
5.14.5	Special Lexical Rules	NA	Ready			
5.15	Semantic Actions	NA	Ready			

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Section	Title	Algorithm	Prose		Section	Title
5.15.1	Example	NA	Ready			
5.15.2	Abbreviated Actions	NA	Ready			
5.15.3	Action Notation Summary	NA	Ready			
5.16	Other Semantic Definitions	NA	Ready			
6	Source Text	NA		Needs to incorporate Markus' I18N/Unicode proposal and reconcile terminology with Unicode standard	6	Source Text
6.1	Unicode Format-Control Characters	NA		Needs to incorporate Markus' I18N/Unicode proposal and reconcile terminology with Unicode standard		
7	Lexical Grammar	Ready		Should some prose be moved to 7.1?	7	Lexical Conventions
7.1	Input Elements	Ready		Should some prose in 7 be moved here?		
7.2	White space			Needs to incorporate Markus' I18N/Unicode proposal and reconcile terminology with Unicode standard	7.2	White Space
7.3	Line Breaks			Needs to incorporate Markus' I18N/Unicode proposal and reconcile terminology with Unicode standard	7.3	Line Terminators
7.4	Comments	Ready	Ready		7.4	Comments
7.5	Keywords and Identifiers	Ready	Ready			
7.6	Punctuators	Ready	Ready		7.7	Punctuators
7.7	Numeric literals	Ready		Does this needs prose to describe intent of algorithm (i.e. cut and pasted from E3)?	7.8.3	Numeric Literals
7.8	String literals			Needs to incorporate Markus' I18N/Unicode proposal and reconcile terminology with Unicode standard (Uxxxxxxx)	7.8.4	String Literals
7.9	Regular expression literals	Ready	Ready		7.8.5	Regular Expression Literals
8	Program Structure	NA		Needs to be written		
8.1	Packages	NA		Needs to be written		
8.2	Scopes	NA		Needs to be written		
9	Data Model	NA		May need to change when OM is added	8	Types
9.1	Objects	NA	On deck		8.6	The Object Type
9.1.1	Undefined	NA	On deck		8.1	The Undefined Type
9.1.2	Null	NA	On deck		8.2	The Null Type
9.1.3	Booleans	NA	On deck		8.3	The Boolean Type
9.1.4	Numbers	NA	On deck		8.5	The Number Type
9.1.5	Strings	NA	On deck		8.4	The String Type
9.1.6	Namespaces	NA	On deck			
9.1.6.1	Qualified Names	NA	On deck			
9.1.7	Compound attributes	NA		May need to change when OM is added		
9.1.8	Classes	NA		May need to change when OM is added		
9.1.9	Simple Instances	NA		May need to change when OM is added		
9.1.9.1	Slots	NA	On deck			
9.1.10	Uninstantiated Functions	NA	On deck			
9.1.11	Method Closures	NA	On deck			
9.1.12	Dates	NA		May need to change when OM is added		
9.1.13	Regular Expressions	NA		May need to change when OM is added		
9.1.14	Packages and Global Objects	NA		May need to change when OM is added		

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9.2	Objects with Limits	NA		Need to incorporate changes from super discussion.		
9.3	References	NA	On deck		8.7	The Reference Type
9.4	Function Support	NA	On deck			
9.5	Phases of evaluation	NA	On deck			
9.6	Contexts	NA	On deck		10	Execution Contexts
9.7	Labels	NA	On deck			
9.8	Environment Frames	NA	On deck			
9.8.1	System Frame	NA	On deck			
9.8.2	Function Parameter Frames	NA	On deck			
9.8.2.1	Parameters	NA	On deck			
9.8.3	Local Frames	NA	On deck			
9.9	Environment Bindings	NA	On deck			
9.9.1	Static Bindings	NA	On deck			
9.9.2	Instance Bindings	NA	On deck			
10	Data Operations					
10.1	Numeric Utilities					
10.2	Object Utilities					
10.2.1	objectType					
10.2.2	toBoolean				9.2	ToBoolean
10.2.3	toGeneralNumber				9.3	ToNumber
10.2.4	toString				9.8	ToString
10.2.5	toQualifiedName					
10.2.6	toPrimitive				9.1	ToPrimitive
10.2.7	toClass					
10.2.8	Attributes					
10.3	Access Utilities					
10.4	Environmental Utilities				10.1.4	Scope Chain and Identifier Resolution
10.5	Property Lookup					
10.6	Reading				8.7.1	GetValue (V)
10.7	Writing				8.7.2	PutValue (V, W)
10.8	Deleting					
10.9	Enumerating					
10.10	Creating Instances					
10.11	Adding Local Definitions					
10.12	Adding Instance Definitions					
10.13	Instantiation					
11	Evaluation					
11.1	Phases of Evaluation					
11.2	Constant Expressions					
12	Expressions	Accepted			11	Expressions
12.1	Identifiers	Accepted				

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Section	Title	Algorithm	Prose		Section	Title
12.2	Qualified Identifiers	Accepted		Accepted assuming (32) Modify algorithms to use "propagates call to every nonterminal expansion" wording where possible except for the case where values are returned.		
12.3	Primary Expressions	Accepted		(33) Re-review 11.4 Primary Expressions when RegExp is added.	11.1	Primary Expressions
12.4	Function Expressions	Accepted			11.2.5	Function Expressions
12.5	Object Literals	In review				
12.6	Array Literals	In review				
12.7	Super Expressions	In review				
12.8	Postfix Expressions	In review			11.3	Postfix Expressions
12.9	Member Operators	In review				
12.10	Unary Operators	In review			11.4	Unary Operators
12.11	Multiplicative Operators	In review			11.5	Multiplicative Operators
12.12	Additive Operators	In review			11.6	Additive Operators
12.13	Bitwise Shift Operators	In review			11.7	Bitwise Shift Operators
12.14	Relational Operators	On deck			11.8	Relational Operators
12.15	Equality Operators	On deck			11.9	Equality Operators
12.16	Binary Bitwise Operators	On deck			11.1	Binary Bitwise Operators
12.17	Binary Logical Operators	On deck			11.11	Binary Logical Operators
12.18	Conditional Operator	On deck			11.12	Conditional Operator (?:)
12.19	Assignment Operators	On deck			11.13	Assignment Operators
12.20	Comma Expressions	On deck			11.14	Comma Operator (,)
12.21	Type Expressions	On deck				
13	Statements	On deck			12	Statements
13.1	Empty Statement	On deck			12.3	Empty Statement
13.2	Expression Statement	On deck			12.4	Expression Statement
13.3	Super Statement	On deck				
13.4	Block Statement	On deck			12.1	Block
13.5	Labeled Statements	On deck			12.12	Labelled Statements
13.6	If Statement	On deck			12.5	The if Statement
13.7	Switch Statement	On deck			12.11	The switch Statement
13.8	Do-While Statement	On deck			12.6.1	The do-while Statement
13.9	While Statement	On deck			12.6.2	The while statement
13.10	For Statements	On deck			12.6.3	The for Statement
13.11	With Statement	On deck			12.1	The with Statement
13.12	Continue and Break Statements	On deck			12.7	The continue Statement
13.13	Return Statement	On deck			12.9	The return Statement
13.14	Throw Statement	On deck			12.13	The throw statement
13.15	Try Statement	On deck			12.14	The try statement
14	Directives	Ready				
14.1	Attributes	Ready				
14.2	Use Directive	Ready				
14.3	Import Directive	Ready				

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Section	Title	Algorithm	Prose		Section	Title
14.4	Pragma	Ready				
15	Definitions	Ready				
15.1	Export Definition	Ready				
15.2	Variable Definition	Ready			12.2	Variable statement
15.3	Simple Variable Definition	Ready				
15.4	Function Definition	Ready			13	Function Definition
15.5	Class Definition	Ready				
15.6	Namespace Definition	Ready				
15.7	Package Definition	Ready				
16	Programs	Ready			14	Program
17	Predefined Identifiers					
18	Built-in Classes					
18.1	Object				15.2	Object Objects
18.2	Never					
18.3	Void					
18.4	Null					
18.5	Boolean				15.6	Boolean Objects
18.6	Integer					
18.7	Number				15.7	Number Objects
18.7.1	ToNumber Grammar					
18.8	Character					
18.9	String				15.5	String Objects
18.10	Function				15.3	Function Objects
18.11	Array				15.4	Array Objects
18.12	Type					
18.13	Math				15.8	The Math Object
18.14	Date				15.9	Date Objects
18.15	RegExp				15.10	RegExp (Regular Expression) Objects
18.15.1	Regular Expression Grammar					
18.16	Error				15.11	Error Objects
18.17	Attribute					
19	Built-in Functions				15.1	The Global Object
20	Built-in Attributes					
21	Built-in Namespaces					
22	Errors					
23	Optional Packages					
23.1	Machine Types					
23.2	Internationalisation					
A	Index					
A.1	Nonterminals					
A.2	Tags					
A.3	Semantic Domains					
A.4	Globals					