

	GS1	GS2	GS3	Grammar and Syntax
Language				
IVML	1	1	0	0.667
Montiarc	1	1	1	1.000
IEC 61499	0,5	1	0,5	0.667
SysML v1.6	1	1	0	0.667
PPR-DSL	1	1	0	0.667

	Sem1		Sem2		Sem3	Semantics
Language		denotational	translational	operational		
IVML	1	1	1	1	1	1.000
Montiarc	1	1	1	1	1	1.000
IEC 61499	1	0,5	1	0,5	1	1.000
SysML v1.6	0	0	0	0	1	0,333
PPR-DSL	1	0	1	0	1	1.000

Legend	
GS1	concrete syntax
GS2	abstract syntax
GS3	well-formedness rules
Sem1	semantic domain
Sem2	mapping
Sem3	informal definition

	Nam1	Nam2	Naming Conventions
Language			
IVML	0	0	0,000
Montiarc	1	1	1.000
IEC 61499	0	0,5	0,250
SysML v1.6	1	0	0,500
PPR-DSL	0,5	0	0,250

	Sty1	Sty2	Style Guides
Language			
IVML	0	0	0,000
Montiarc	0,5	0,5	0,500
IEC 61499	0	0	0,000
SysML v1.6	0,5	0	0,250
PPR-DSL	0	0	0,000

Nam1	documented by developers
Nam2	application in additional material
Sty1	documented by developers
Sty2	application in additional material

	Pat1	Pat2	Pat3	Patterns
Language				
IVML	0	1	0	0,333
Montiarc	0	0,5	0	0,167
IEC 61499	1	1	1	1.000
SysML v1.6	1	0	0	0,333
PPR-DSL	0	0	0	0,000

	Lib1		Lib2		Lib3	Libraries
Language		existing	available	up-to-date		
IVML	1	0	0	0	0	0,333
Montiarc	1	1	1	0,5	1	0,944
IEC 61499	0,5	1	0,5	0	0	0,333
SysML v1.6	1	1	1	1	0,5	0,833
PPR-DSL	1	0,5	0	0	0	0,389

Pat1	documented design patterns
Pat2	syntaxtic constructs for pattern (e.g., interface)
Pat3	documented implementation pattern

Lib1	syntactic construct for import
Lib2	library implementations
Lib3	dependency management

	A1	A2	A3	A4.1	A4.2	A4.3	A4.4	Analyses
Language				naming convention	style guide	design pattern	library	
IVML	1	0	1	0	0	0	0	0,500
Montiarc	0,5	1	1	1	0	0	0	0,688
IEC 61499	1	0,5	1	0	0	0	0	0,625
SysML v1.6	0	0	0	0	0	0	0	0,000
PPR-DSL	0	1	0	0	0	0	0	0,250

A1	metrics for syntax
A2	violations of well-formedness rules
A3	metrics for semantics
A4	code quality for measuring
A4.1	adherence to naming conventions
A4.2	adherence to style guides
A4.3	design patterns where appropriate
A4.4	libraries where appropriate

	T1	T2	T3	T4	T5.1	T5.2	T5.3	T5.4	T6.1	T6.2	Tools
Language					syntax (LOC)	well-formedness rules	semantics	code quality	style guides	naming conventions	
IVML	1	1	0,5	1	1	0	1	1	0	0	0,708
Montiarc	1	1	0	1	0	1	1	0	1	0	0,667
IEC 61499	1	1	0	1	1	0,5	0	0,5	0,5	0	0,625
SysML v1.6	1	1	0,5	1	1	1	0	0	0	1	0,750
PPR-DSL	1	0	0	1	0	0	0	0	0	0	0,333

T1	parser for complete syntax definition
T2	compiler or interpreter
T3	error management, quick fixes
T4	editor with at least syntax highlighting
T5	analyses and report of supported metrics
T6	automatic formatting

	D1	D2.1	D2.2	D3	D4	D5	Documentation
Language		up-to-date	platform-independent				
IVML	1	1	1	0	1	0,5	0,700
Montiarc	1	1	1	1	1	0	0,800
IEC 61499	1	0,5	1	0,5	0,5	1	0,750
SysML v1.6	1	1	1	1	1	1	1.000
PPR-DSL	1	0,5	0,5	0	1	0	0,500

D1	published standard or language definition
D2	installation guide
D3	video tutorial or screen cast
D4	published source code of examples
D5	active forums for exchange