

ISO/IEC 19757-3:2016-01 (E)

Information technology - Document Schema Definition Languages (DSDL) - Part 3: Rule-based validation - Schematron

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Notation	4
5	Syntax	4
5.1	Well-formedness	4
5.2	Namespace	4
5.3	Whitespace	4
5.4	Core elements	4
5.4.1	active element	4
5.4.2	assert element	4
5.4.3	extends element	5
5.4.4	include element	5
5.4.5	let element	5
5.4.6	name element	5
5.4.7	ns element	6
5.4.8	param element	6
5.4.9	pattern element	6
5.4.10	phase element	6
5.4.11	report element	6
5.4.12	rule element	7
5.4.13	schema element	7
5.4.14	value-of element	7
5.5	Ancillary elements and attributes	8
5.5.1	diagnostic element	8
5.5.2	diagnostics element	8
5.5.3	dir element	8
5.5.4	emph element	8
5.5.5	flag attribute	8
5.5.6	fpi attribute	8
5.5.7	icon attribute	8
5.5.8	p element	8
5.5.9	properties element	8
5.5.10	property element	9
5.5.11	role attribute	9
5.5.12	see attribute	9
5.5.13	span element	9
5.5.14	subject attribute	9
5.5.15	title element	9
6	Semantics	9
6.1	Validation function	9
6.2	Minimal syntax	10

6.3	Abstract pattern processing	10
6.4	Query language binding	12
6.5	Order and side-effects	13
7	Conformance	13
7.1	Simple conformance	13
7.2	Full conformance	13
Annex A (normative) RELAX NG schema for Schematron		15
Annex B (normative) Schematron schema for additional constraints		19
Annex C (normative) Default query language binding		20
Annex D (informative) Schematron Validation Report Language		21
Annex E (informative) Design requirements		26
Annex F (informative) Use of Schematron as a vocabulary		27
Annex G (informative) Use of Schematron for multi-lingual schemas		28
Annex H (normative) Query language binding for XSLT 2		29
Annex I (informative) Query language binding for XPath 2		31
Annex J (informative) Query language binding for EXSLT		32
Annex K (informative) Query language binding for STX		33
Annex L (informative) Example usage of Schematron properties		34
Bibliography		36