

Standards update

Andrew Sales

Project Editor, ISO/IEC 19757-3
Convenor, ISO/IEC JTC 1/SC 34/WG 10

`andrew@andrewsales.com`

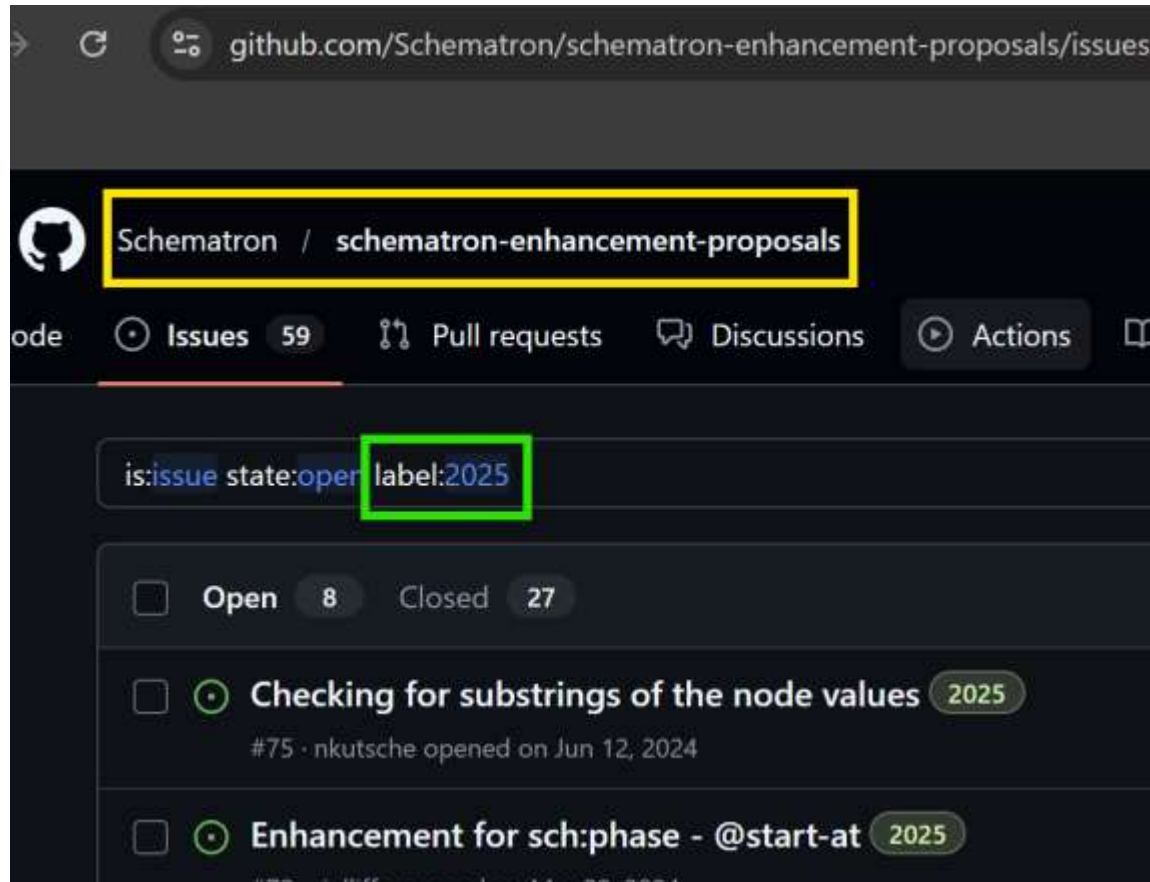
Current status

- Fourth edition of standard published September 2025 (ISO/IEC 19757-3:2025)
- ISO approved further revision at last SC 34 Plenary
- Work began on 5th edition in January 2026
- At Working Draft stage; ongoing
- Next milestone: Committee Draft (November 2026)
- Due for publication late 2028

What are the main changes?

(in the 2025 edition)

SEP GitHub repo: label “2025”



GitHub: Schematron/schematron-enhancement-proposals/issues

Changes (1)

- **New attribute** `(assert|report)/@severity` (#58)
 - values `fatal`, `error`, `warning` and `info` reserved
- **New element** `group` (`pattern` with all rules eval'd) (#25)
- **New element** `rules`, to group abstract rules (#3, #39)
- **New element** `library`, to bulk-import constructs using `extends` (#39, #66)
- **New attribute** `schema/@schematronEdition` (#42)
- **Typed variables**, via new attribute `let/@as` (#1)

Changes (2)

- Dynamic evaluation of (`@flag`, `@role`, `@severity`) (#64)
- Pass external params via `schema/param` (#34)
- Abstract patterns require params (#8)
- SVRL corrections & clarifications, incl. Annex (#5, #7, #38)
- Base URI fixup (#2)
- L10n: language fixup (#6)
- Support for TVTs in constructing messages (#49)

Changes (3)

- QLB names reserved for qt4 languages (#70)
- **Added** `import`, `include`, `use-package`, `import-schema`, `accumulator` to relevant XSLT QLBs (#4)
- New QLBs for XQuery 3.x

Late-breaking changes (1)

- Phases (1): dynamic selection (#71)
 - New attribute `when`
 - New special selector `#ANY`
 - Selects first matching phase in document order
- Phases (2): partial document validation (#72)
 - New attribute `from`
 - Selects matching subset of document to validate

Late-breaking changes (2)

- New attribute `visit-each` (#75):

```
<rule context='para' visit-each='analyze-  
string(., "foo")' >
```

```
  <report test='fn:match'>[...]</report>
```

- `<svrl:error document='...' code='...' location='...'>` (#69)

What **didn't** change?

- Other SEPs outstanding and emerging
- Some (more radical?) proposals are deferred
- We needed to draw the line somewhere

Cheat sheet

What's New In Schematron 4

Table of Contents

[New attributes](#)

[as](#)

[Declaration](#)

[Related GitHub issue\(s\)](#)

[Sample usage](#)

[Commentary](#)

[from](#)

[Declaration](#)

[Related GitHub issue\(s\)](#)

[Sample usage](#)

[Commentary](#)

[schematronEdition](#)

[Declaration](#)

[Related GitHub issue\(s\)](#)

[Sample usage](#)

[Commentary](#)

[severity](#)

[Declaration](#)

Declaration

```
let =  
  element let {  
    attribute name { nameValue },  
    attribute as { text }?,  
    (attribute value { string  
      | foreign-element+ )  
  }
```

Clause 5.4.7 (let element)

“The optional as attribute is the datatype it is processed.”

Sample usage

Example 1. as attribute: value attribute of sch:let

```
<sch:let name='foo' as='xs:integer' value='12'/>
```

andrewsales.com/schematron4/index.html

Next = 5th = 2028 edition

What's next?

Where to go next?

- Prioritise defects and issues deferred from 2025 edition
- Over fifty GitHub issues remain!
- Important areas include:
 - i18n; l10n
 - variables
 - SVRL: version 2.0
 - *your issue(s) here...*

How to contribute

- GitHub: [.../Schematron/schematron-enhancement-proposals](#)
- Your ISO-affiliated national standards body
- Mailing list: schematronist.org

Resources

GitHub

SEPs: [Schematron/schematron-enhancement-proposals/issues](https://github.com/Schematron/schematron-enhancement-proposals/issues)

Schemas: [Schematron/schema/tree/2025-edition](https://github.com/Schematron/schema/tree/2025-edition)

Cheat sheet: <https://andrewsales.com/schematron4/index.html>

Contact: `andrew@andrewsales.com`

Thank you!

Any questions?