

# Standards update

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# Current status

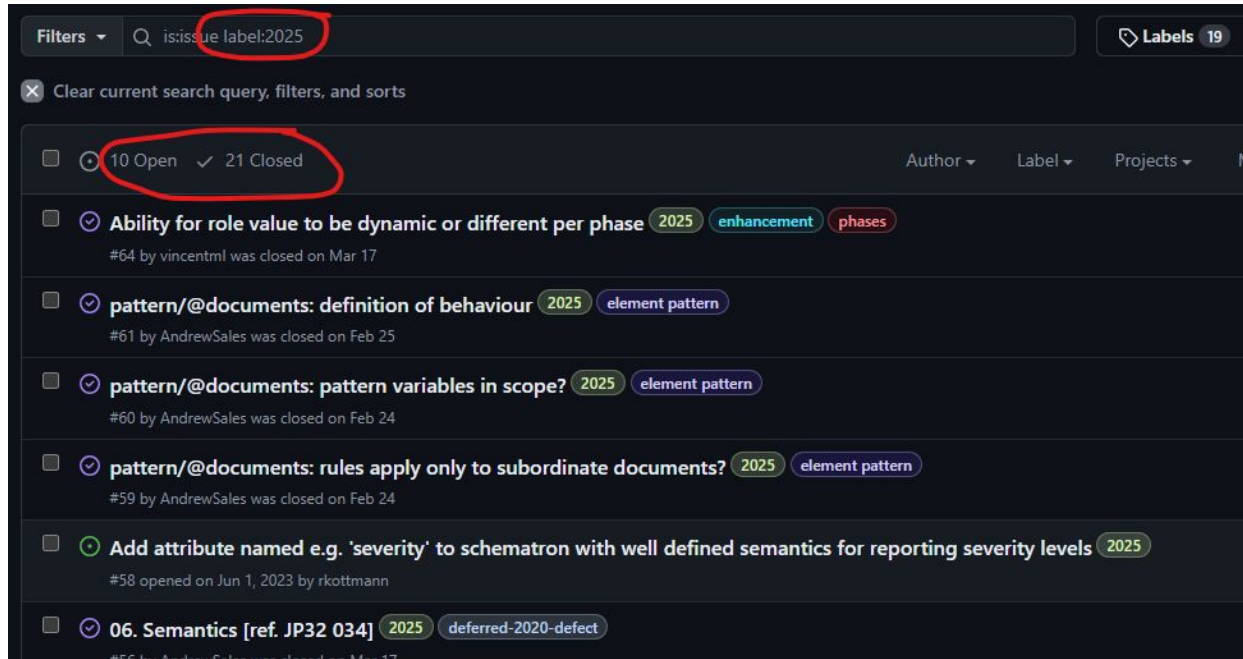
- 4th edition at Committee Draft stage
- Draft International Standard (DIS) in preparation
- **Deadline Sep 2024**
- Publication due Sep 2025



# What are the proposed changes?

(All subject to approval)

# SEP GitHub repo: label “2025”



Filters  Labels 19

Clear current search query, filters, and sorts

10 Open ✓ 21 Closed Author Label Projects M

- Ability for role value to be dynamic or different per phase 2025 enhancement phases #64 by vincentml was closed on Mar 17
- pattern/@documents: definition of behaviour 2025 element pattern #61 by AndrewSales was closed on Feb 25
- pattern/@documents: pattern variables in scope? 2025 element pattern #60 by AndrewSales was closed on Feb 24
- pattern/@documents: rules apply only to subordinate documents? 2025 element pattern #59 by AndrewSales was closed on Feb 24
- Add attribute named e.g. 'severity' to schematron with well defined semantics for reporting severity levels 2025 #58 opened on Jun 1, 2023 by rkottmann
- 06. Semantics [ref. JP32 034] 2025 deferred-2020-defect #56 by AndrewSales was closed on Mar 17

GitHub: Schematron/schematron-enhancement-proposals/issues



# Proposed 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)



# Proposed 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)



# Proposed 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's **not** changing?

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



# How to contribute

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



# GitHub links

SEPs:

[Schematron/schematron-enhancement-proposals/issues](#)

Schemas:

[Schematron/schema/tree/2025-edition](#)

