

Standards update

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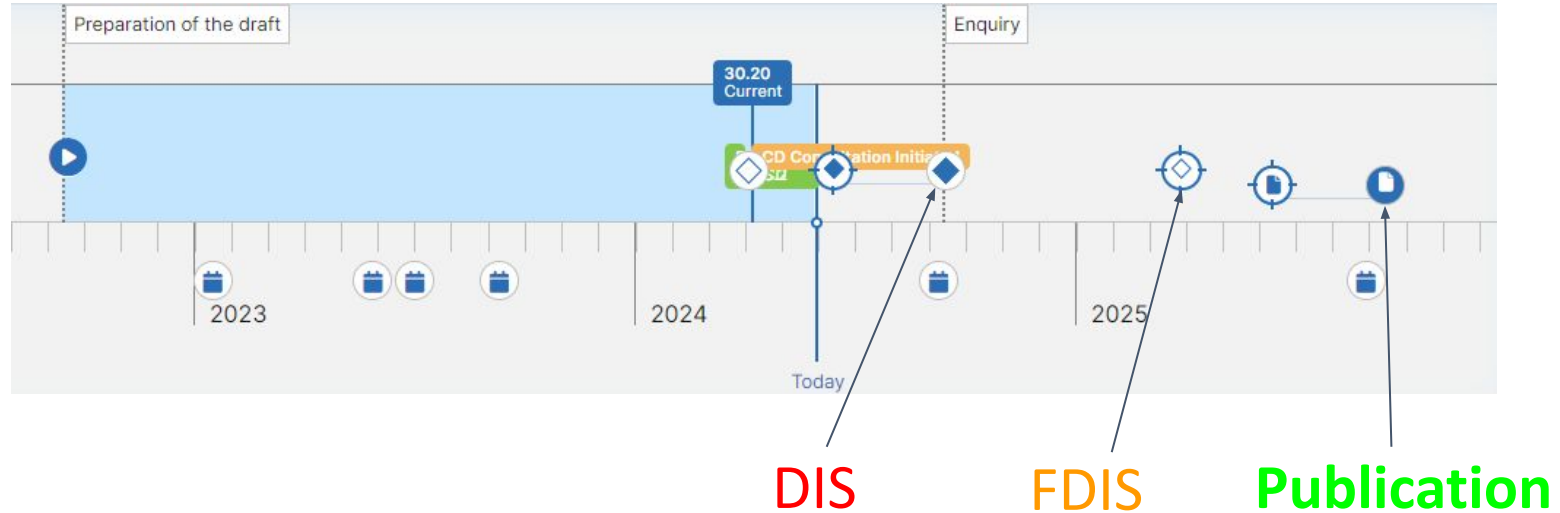
About

- ISO Schematron Project Editor; WG Convenor
- Chair, ISO SC 34 UK mirror (BSI IST/41)
 - SC 34 looks after DSDL:
 - Parts 2-4: RELAX NG; Schematron; NVDL
 - Parts 7, 8 & 11: CREPDL; DSRL; schema association
 - ... and also:
 - EPUB (TS 30135); EPUB a11y (23761)
 - OOXML (29500)
 - ODF (26300), with OASIS



Current status

- 4th edition at Committee Draft stage
- Publication due Sep 2025



“Standard” vs “specification”

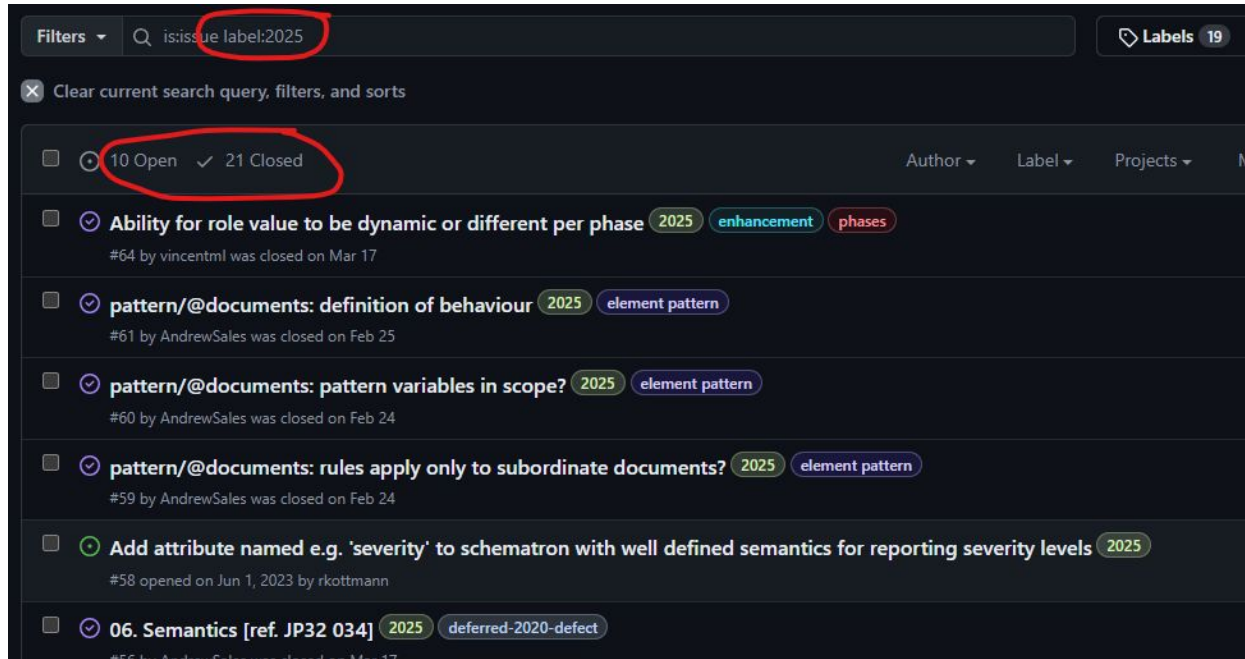
- Two sometimes used interchangeably
- ISO standard is about **conformance**
- **NOT** a specification for an implementation



What are the proposed changes?

(All subject to approval)

SEP GitHub repo: label “2025”



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



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



GitHub links

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)

