


Click on the lines to the right of the slide to take notes.  
Make sure to click the save button early and often.

# Updating Validation Rules

NEMESIS Boot Camp  
Presented by Joshua Legler  
July 13, 2021



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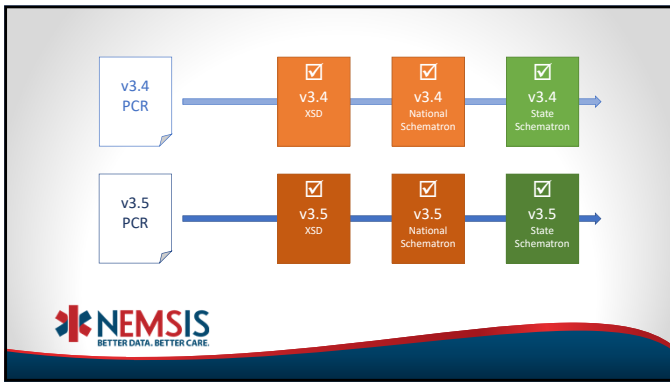
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## Example 1: Unchanged National Rule

**v3.4** Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.  
Context eTimes  
Test xs:dateTime(eTimes.13) >= xs:dateTime(eTimes.03)

**v3.5** Unit Back in Service Date/Time should not be earlier than Unit Notified by Dispatch Date/Time.  
Context eTimes  
Test xs:dateTime(eTimes.13) >= xs:dateTime(eTimes.03)



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### Example 2: Changed National Rule

v3.4 Age should be recorded when Incident/Patient Disposition is "Patient...".

Context PatientCareReport[eDisposition/eDisposition.12 = ('4212013', '4212015', '4212017', '4212019', '4212021', '4212023', '4212025', '4212027', '4212029', '4212031', '4212033', '4212035', '4212037')]

Test ePatient/ePatient.AgeGroup/ePatient.15 != ''

v3.5 Age should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".

Context PatientCareReport[eDisposition/eDisposition.IncidentDispositionGroup/eDisposition.28 = '4228001']

Test ePatient/ePatient.AgeGroup/ePatient.15 != ''




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### Practice: Change a State Rule

v3.4 Pulse Oximetry not documented.

Context PatientCareReport[eDisposition/eDisposition.12 = ('4212027', '4212029', '4212031', '4212033')]

Test eVitals/eVitals.VitalGroup/eVitals.12 != ''

v3.5

Context

Test




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### To Do

1. Review every validation rule. Determine whether it needs to be modified for v3.5.
2. Determine any new rules you need to add for v3.5.
3. For each rule that needs to be modified or added, rewrite the plain language message—what providers will see.
4. Create (or work with your vendor to create) the new Schematron code.
5. Publish v3.5 rules via NEMESIS state repository.




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### Resources

- [NEMESIS Data Dictionaries](#)
  - List the national Schematron rules associated with each element
- [Schematron Guide](#)
  - Requirements, guidance, best practices
- [Schematron Development Kit](#)
  - Technical resources for developers + test suite framework
- [Schematron Checker](#)
  - Validates that a Schematron file itself is valid + checks for potential redundancies with national rules
- [Translation](#)
  - Identify what changed from v3.4 to v3.5



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### Training Webinars

- [March 03, 2020: Writing Efficient Business Rules](#)
- [May 3, 2018: State-level Data Validation Using Schematron](#)



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### Questions?

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