MDT XSD 2.5 Release Review
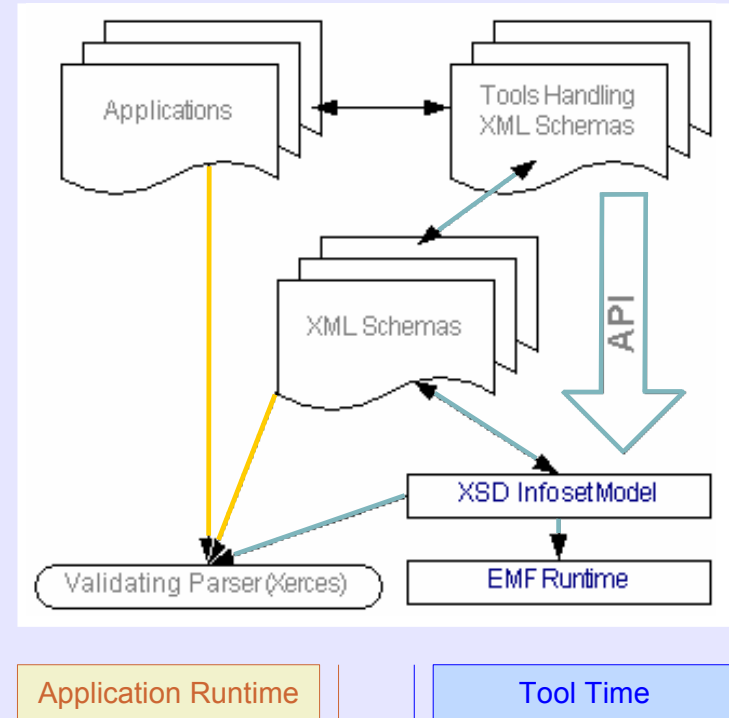## Galileo Simultaneous Release

Planned Review Date: June 10, 2009

Communication Channel: eclipse.technology.xsd

Dave Steinberg and Ed Merks

XML Schema Definition (XSD)

- Reference library providing an EMF-based API for use with any code that creates, examines, or modifies W3C XML Schema documents

- Also works with XML Schema embedded in other documents (e.g. XForms or WSDL)

- APIs for manipulating both XML Schema model components and underlying DOM representation

- Includes services for integrity checking and serialization/ deserialization of schema documents

| Application Runtime | | | Tool Time |

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Features

- XSD's model importer for EMF supports a new schema extension (ecore:nsURI)

  - Allows a namespace URI to be specified for a schema without target namespace

- Validation for complex content exposed as API

  - XSDUtil.checkComplexContent()

- The two proposed features for this release were deferred due to lack of community involvement

  - Committer resources were consumed with bug fixing

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Non-Code Aspects

- No significant new documentation or examples

- Minor updates to existing documentation

    - Mostly accessibility-related changes

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APIs, Architectural Issues, Tool Usability, and End-of-Life

- APIs

    - The component lead certifies that the requirements for Eclipse Quality APIs have been met for this release

- Architectural Issues

    - No new architectural issues in this release

- Tools Usability

    - No changes to example XSD editor

- End-of-Life

    - No APIs or features are being end-of-life'd

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Bugzilla

- Over Galileo timeframe (as of May 27, 2009)

Status

	NEW	RESOLVED	VERIFIED	CLOSED	Total
critical	.	.	.	1	1
major	.	1	4	1	6
normal	1	3	17	1	22
trivial	.	.	.	1	1
enhancement	6	1	4	.	11
Total	7	5	25	4	41

Severity

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Standards

- No standards-related changes

- XSD continues to implement W3C XML Schema 1.0

    - Proposed feature to add support for the unfinalized 1.1 spec was deferred

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UI Usability

- Small usability improvements

  - Galileo capabilities

- Accessibility

  - Reviewed for Section 508 compliance

  - Keyboard navigation added to tables in wizards

- Internationalization

  - All strings externalized using Java message bundles

  - Babel participant

  - Translatability verified with Babel Pseudo-Translation Test

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Schedule

- XSD followed the Galileo schedule as a +1 component
- Completed

  - M1 2008/08/11 (as planned)
  - M2 2008/09/24 (as planned)
  - M3 2008/11/03 (two days early)
  - M4 2008/12/15 (two days early)
  - M5 2009/02/03 (as planned)
  - M6 2009/03/16 (as planned)
  - M7 2009/05/04 (as planned)
  - RC1 2009/05/18 (as planned)
  - RC2 2009/05/25 (as planned)

- Planned

  - RC3 2009/06/01
  - RC4 2009/06/08
  - RC5 2009/06/15
  - GA 2009/06/24

Communities

- Interaction in XSD's newsgroup and Bugzilla
    - XSD is largely viewed as something that "just works"
- Committers attended and presented at Eclipse Summit Europe 2008 and EclipseCon 2009
- Several committers are active bloggers

IP Issues

- The project leadership verifies that the Eclipse IP policies and procedures have been followed

- A frozen copy of the Project Log is part of the Release Review documentation

  - The "live" version is also available at eclipse.org/modeling/mdt/eclipse-project-ip-log.php

- Would any Member like to assert that this release infringes their IP rights?

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Project Plan

- XSD 2.5 development plan available at eclipse.org/projects/project-plan.php?projectid=modeling.mdt

- Draft plan for XSD 2.6 is not yet available