

SMSC Draft AB Policy on
Specification Versioning and
Presentation on OMG Web Portal

Doc #smc/07-09-03

Important Aspects



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- Version Numbering of OMG Specifications consistent with P&P Changes
 - Versioning Numbering of Normative Machine Consumable Files (XMI, XSD, etc.)
 - Directory Structure for the Presentation of Specifications and Normative Machine Consumable Files
 - Web Portal Presentation
 - A Few Process Details

Version Numbering of OMG Specifications

- Numbering Structure



- Core Version Number Structure
 - <base version number> ::= <major>.<minor>[.<subminor>]
 - major >= 1
 - minor >= 0
 - subminor >= 1
- Pre-Publication Modifier
 - <pre-publication modifier> ::= (“Alpha”|”Beta”) [<number>]
- Full Documentation Name
 - <versioned specification name> ::=
 - <specification name> <version number>
 - [<pre-publication modifier>]

Version Numbering of OMG Specifications

- Versions for Initial Adoption Process



| Today | Using this Proposal |
|--|--|
| Document adopted by the Board | <version number> Alpha |
| Final Adopted Specification | <version number> Beta 1 |
| Recommended Convenience Document from first FTF 1 | <version number> Beta 2 |
| Recommended Convenience Document from FTF 2 (and adopted by the Board) | <version number> Beta 3 If there is a second FTF |
| Author Review Draft | <version number> Beta 4 (2 FTFs) <version number> Beta 3 (only 1 FTF) |
| Published Specification | <version number> |

Version Numbering of OMG Specifications

- Versions for Revision Process



| Today | Using this Standard |
|---|-------------------------|
| Convenience Doc from RTF adopted by the Board | <version number> Beta 1 |
| Author Review Document | <version number> Beta 2 |
| Formally Published Spec | <version number> |

Version Numbering of Normative Machine Consumable Files



- Version Number Structure

- `<version number> ::= <year><month><number>`

- year is of the form YYYY, e.g. 2007

- month is of the form MM, e.g. 07 for July

- Number is of the form ZN, where Z is one of 0,1,2,...

- And N is one of 1, 2, 3,...

- Full File Name

- `<versioned file name> ::=`

- `<version number>/<file name>`

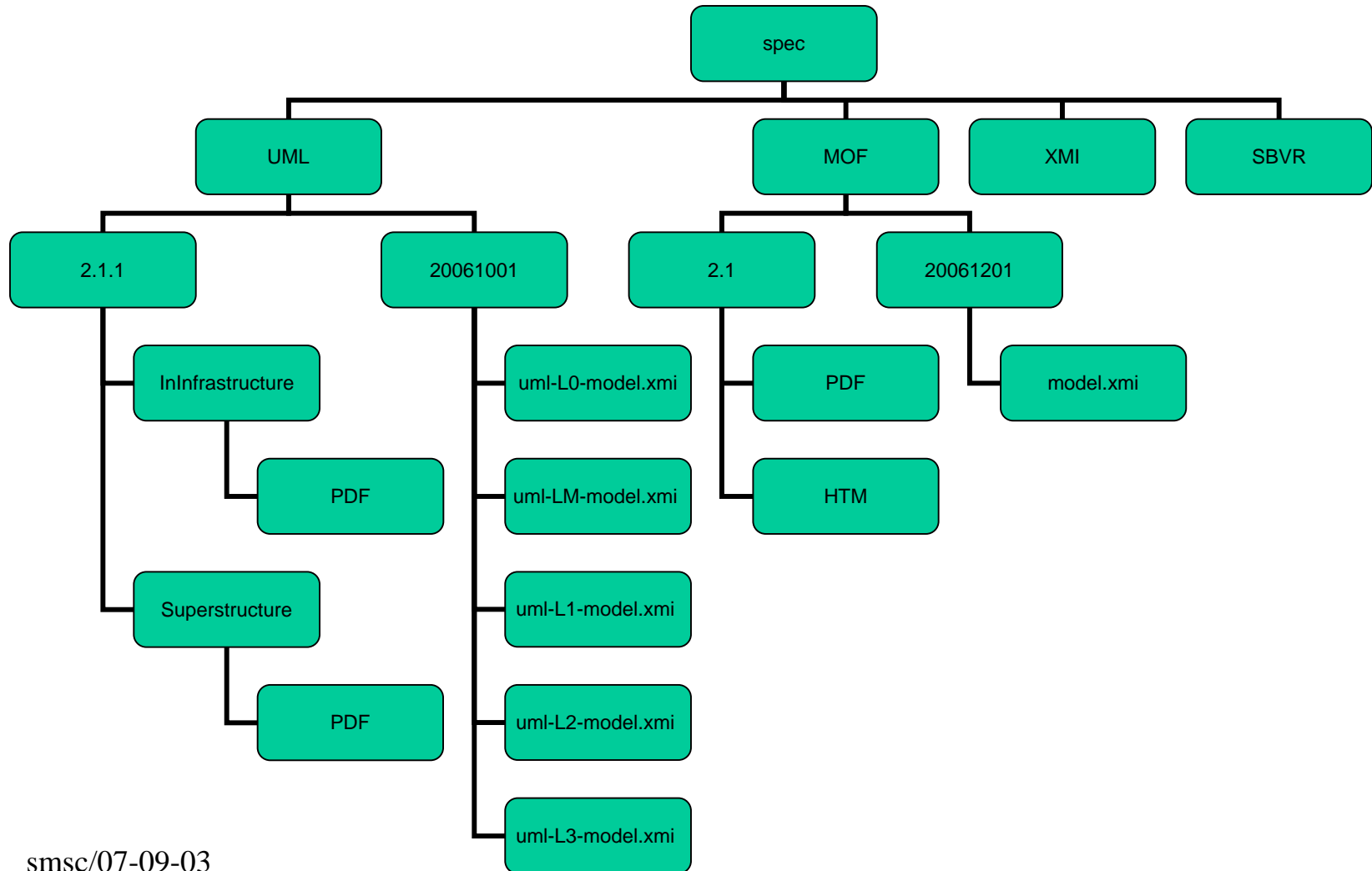
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- Directory tree is rooted at the node *spec* (*specs*?)
 - General form of path through the directory to a file:
 <spec name>/<version number>/[<type>/]filename
 - <spec name> is a directory under *spec* for each formal specification named by the unique abbreviation assigned to it (e.g. UML is assigned the abbreviation *UML*). The officially assigned abbreviations can be found in the [Specification Summary](#)
 - <version number> is the name of a directory using the version number as defined earlier
 - <type> is an optional directory level for organizing the files of a given version in the version directory. E.g. there may be a directory named *model* where all models are kept, etc.
 - Files may be placed in the directory itself or linked in from the document archive via a redirector.

Special Directory for Current Version of Specification



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- There will be a special directory called *Current* in each *Specification Directory* that is linked to the *latest version directory* for that specification. This gives easy access to the most current specification through a standard URL
 - E.g. The most current version of *UML Infrastructure Specification* in PDF form will always be found in the directory:
spec/UML/Current/Infrastructure/PDF

Example – UML 2.1.1 and MOF 2.1



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- The spec directory and all its sub-directories to be exposed as:
<http://www.omg.org/spec>
 - Summary History and Index of UML specifications will be available in index.htm at:
<http://www.omg.org/spec/UML>
 - List of URLs for all files pertaining to UML 2.1.1 will be available in the index.htm file and accessible as:
<http://www.omg.org/spec/UML/2.1.1>
 - E.g. The uml-L0.xmi model file for UML 2.1.1 published in March 2007 would be accessible as:
<http://www.omg.org/spec/UML/200703/uml-L0-model.xmi>
 - E.g. The UML 2.1.1 Infrastructure specification in PDF form would be accessible through a redirector in index.htm as:
<http://www.omg.org/spec/UML/2.1.1/Infrastructure/PDF>
 - E.g. The current version of UML Infrastructure specification in PDF form would be accessible through appropriate redirectors in index.htm in the Current directory and the PDF directory as:
<http://www.omg.org/spec/UML/Current/Infrastructure/PDF>

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- The *Directories* for a *Specification* will be set up as soon as the *TC vote* for recommendation to adopt the *Alpha specification* commences
 - This implies that the *unique abbreviation* will be assigned by that time the *Alpha specification* goes out to vote.
 - *Submitters* (for *Alpha specifications*) or the *RTF/FTF* (for *Beta specifications*) must provide a *complete inventory of files* that need to be placed within the directory structure *with details of which directory they go into*. A diagram like in slide 9 of this set would be most useful.
 - *OMG Staff* and *AB* needs to verify that the *complete inventory has been submitted* (preferably) as an HTML document that can be placed directly in the web portal – implies *template* for such to be provided by *OMG*.