

SMSC Draft AB Policy on Specification Versioning and Presentation on OMG Web Portal Doc #smssc/07-09-01



• **Important Aspects**

- Version Numbering of OMG Specifications
- Versioning Numbering of Normative Machine Consumable Files (XMI, XSD, etc.)
 - Naming and Versioning of XML Namespaces
- 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>`

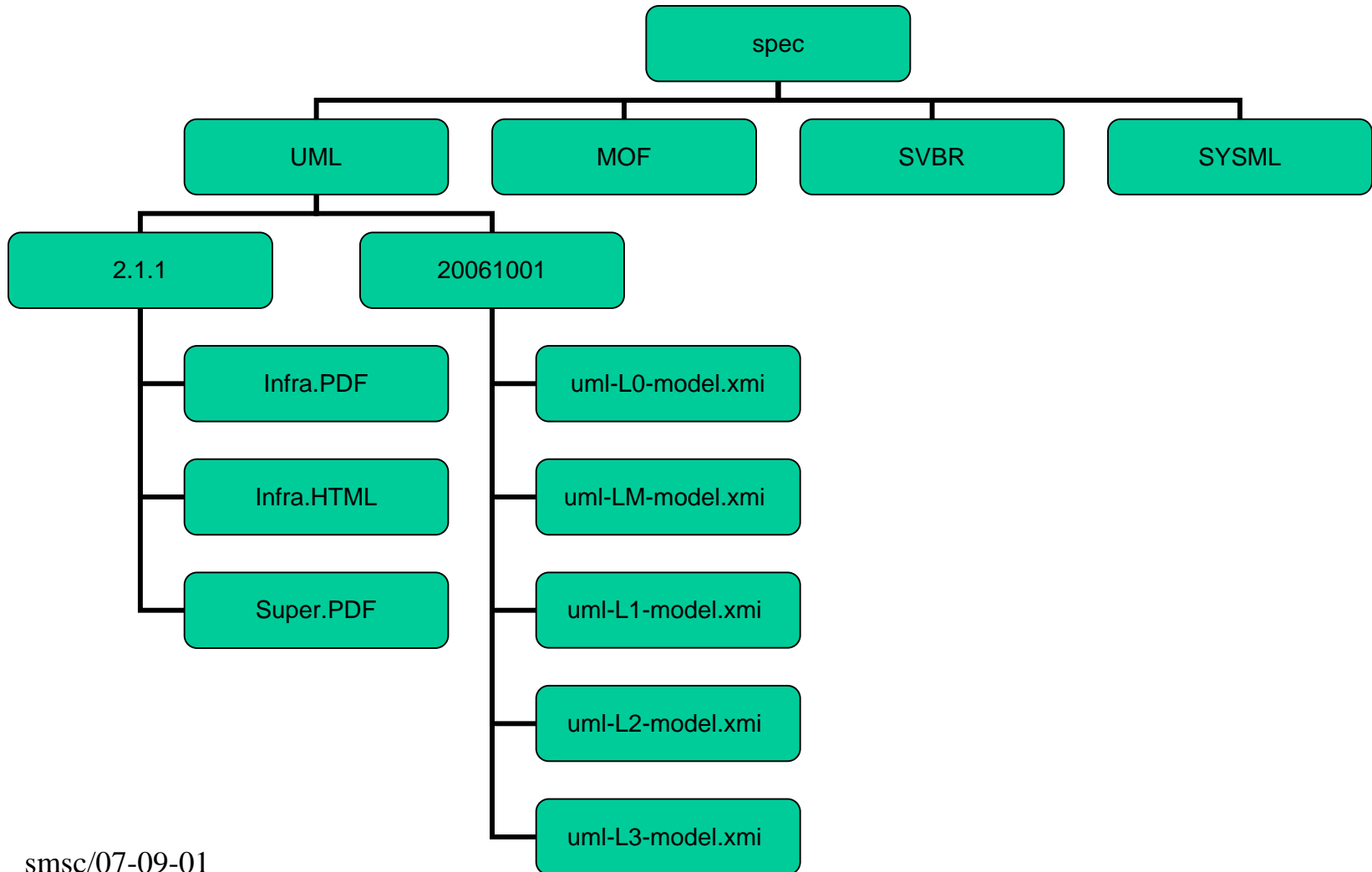
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- Directory tree is rooted at the node *spec* (*specs*?)
 - General form of path through the directory to a file:
 <spec name>/<version number>/[<type>/]filename
 - <spec name> is a directory under *spec* for each formal specification named by the 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/Infra.PDF

Example



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- The spec directory and all its sub-directories to be exposed as:
<http://www.omg.org/spec>
 - 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 as:
<http://www.omg.org/spec/UML/2.1.1/Infra.PDF>
 - E.g. The current version of UML Infrastructure specification in PDF form would be accessible as:
<http://www.omg.org/spec/UML/Current/Infra.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 specs) or the RTF/FTF (for Beta specs) 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 8 of this set would be most useful.