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

Doc #smsc/07-09-11

Important Aspects

- 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>

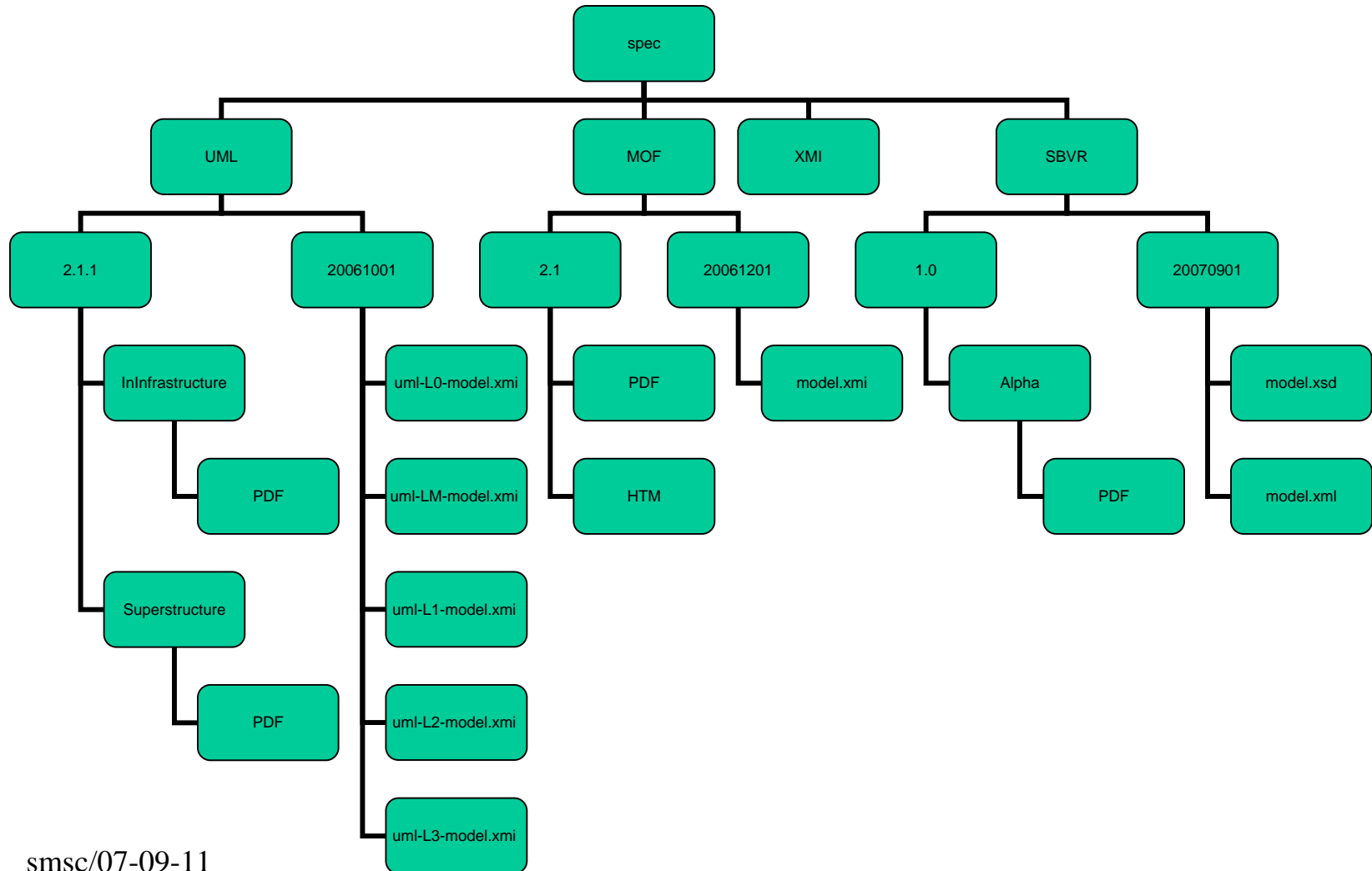# Directory Structure

- Directory tree is routed at the node *spec* under *http://www.omg.org*
- 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.

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Special Directory for Current Version of Specification

- 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., MOF 2.1 and SBVR

Web Portal Presentation

- The spec directory and all it 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 avilable 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/20070301/uml-L0-model.xmi
- E.g. The UML 2.1.1 Infrastructure specification in PDF form would be accessible through redirector in index.htm as:
  http://ww.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

A Few Process Details

- 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.