

Template Syntax Specification



Leading healthcare terminology, worldwide

The *SNOMED template syntax specification* defines the formal rules for representing *slots* in SNOMED CT expressions, expression constraints or queries. A *slot* either provides information as to how the template should be processed, or represents a placeholder for a value that is not known at the time of authoring. These placeholders can be completed at a later time using data recorded elsewhere (such as in an information model or entered into a data entry form).

The *template syntax* may be used in conjunction with any of the computable SNOMED CT languages to represent templates of various kinds. For example, using the template syntax with *compositional grammar* enables the representation of *expression templates*, while using the template syntax with the *expression constraint language* enables the representation of *expression constraint templates*.

SNOMED templates can be used for a number of purposes, including to define reusable patterns for authoring and validating precoordinated concept definitions and postcoordinated expressions.

Web browsable version: <http://snomed.org/sts>

SNOMED CT Document Library: <http://snomed.org/doc>

© Copyright 2019 International Health Terminology Standards Development Organisation, all rights reserved.

This document is a publication of International Health Terminology Standards Development Organisation, trading as SNOMED International. SNOMED International owns and maintains SNOMED CT®.

Any modification of this document (including without limitation the removal or modification of this notice) is prohibited without the express written permission of SNOMED International. This document may be subject to updates. Always use the latest version of this document published by SNOMED International. This can be viewed online and downloaded by following the links on the front page or cover of this document.

SNOMED®, SNOMED CT® and IHTSDO® are registered trademarks of International Health Terminology Standards Development Organisation. SNOMED CT® licensing information is available at <http://snomed.org/licensing>. For more information about SNOMED International and SNOMED International Membership, please refer to <http://www.snomed.org> or contact us at info@snomed.org.

Search this document

Contents

1. Introduction

2. Use Cases

- 2.1. Authoring of Pre-coordinated Concepts
- 2.2. Defining Post-coordinated Clinical Meanings

3. Requirements

- 3.1. General SNOMED CT Language Requirements
- 3.2. Template Design Requirements
- 3.3. Template Processing Requirements

4. Logical Model

- 4.1. UML Class Diagram

5. Syntax Specification

- 5.1. Normative Specification
- 5.2. Informative Comments

6. SNOMED CT Language Templates

- 6.1. Expression Template Language

7. Processing Expression Templates

- 7.1. Preparing Input Data
- 7.2. Template Processing
- 7.3. Post-processing Validation

8. Expression Template Examples

- 8.1. Simple Replacement Slots
- 8.2. Typed Replacement Slots
- 8.3. Constrained Replacement Slots
- 8.4. Named Replacement Slots
- 8.5. Information Slots
- 8.6. Advanced Expression Templates

Previous Versions

Recent Updates

**Latest
PDF
Version
for
Download:**



doc_TemplateSy...T_20170726.pdf



Note

This PDF document was generated from the web version on 26 Jul 2017. Any changes made to the web pages since this date will not appear in the PDF. For information about recent changes please see [Recent Updates](#).