

# Guidelines for a Standardized Terminology Knowledgebase

[PSS Help and FAQs](#)  
[Comments](#)

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1a. Project Name	Guidelines for a Standardized Terminology Knowledge Base
1b. Project ID	
1c. Is Your Project an Investigative Project (aka PSS-Lite)?	No
1d. Is your Project Artifact being Reaffirmed or proceeding to Normative directly after being either Informative or STU?	No
1e. Today's Date	
1f. Name of standard being reaffirmed	
1g. Project Artifact Information	
1h. ISO/IEC Standard to Adopt	
1i. Does the standard include excerpted text from one or more ISO, IEC or ISO/IEC standards, but is not an identical or modified adoption?	
1j. Unit of Measure	
2a. Primary/Sponsor WG	Vocabulary
2d. Project Facilitator	Carol Macumber
2e. Other Interested Parties (and roles)	
2f. Modeling Facilitator	Ioana Singureanu (VA)
2g. Publishing Facilitator	Ioana Singureanu (VA)
2h. Vocabulary Facilitator	Carol Macumber
2i. Domain Expert Representative	Keith Campbell (VA), Swapna Abhyankar (Regenstrief), Possible others include CDC and FDA
2j. Business Requirements Analyst	Loren Stevenson (VA)
2k. Conformance Facilitator	N/A
2l. Other Facilitators	

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2m. Implementers	-- UTG (collaboration, exchange format) -- Department of Veterans Affairs
3a. Project Scope	<p>To describe a flexible self-describing standard logical model for format and distribution of terminology knowledge bases. The logical model will include the ability to represent structures/collections like value sets, refsets, etc.</p> <p>The resulting logical model is aimed to standardize representation of machine-processable semantics, consistent representation of language and dialect, and change over time.</p> <p>References and previous standards that will be considered include:</p> <ul style="list-style-type: none"> <li>- The Data Management Requirement re: reference data (DMBOK 2019)</li> <li>- Existing ISO Standards including <a href="https://www.iso.org/standard/32881.html">https://www.iso.org/standard/32881.html</a>, <a href="https://www.iso.org/standard/61979.html">https://www.iso.org/standard/61979.html</a></li> <li>- Existing HL7 standards including CTS2, MIF and FHIR</li> </ul> <p>Specifically, the scope includes 1) outlining how the standardized terminology knowledge base can support FHIR resource generation, perhaps closing gaps that are currently covered as extensions 2) a gap analysis of CTS2 logical model, including an evaluation of why it may be considered a unsuccessful attempt to provide a single logical model, so that those pitfalls may be avoided with this attempt</p>
<b>Attachments</b>	
3b. Project Need	This project is intended to create a logical model and distribution format to represent represent HL7 Codesets, SNOMED, LOINC, RxNorm, and other clinical terminologies. This model is needed to represent machine-processable semantics for standard terminology and local content/concepts. More specifically, the guidance is needed to describe how a "sanctioned standard terminology knowledge base" can allow integration of standard content (e.g., currently LOINC can't be modeled in a SCT model or published in SCT format).
3c. Security Risk	No
3d. External Drivers	
3e. Objectives/Deliverables and Target Dates	<p>Jan 2021 Ballot</p> <ul style="list-style-type: none"> <li>- White Paper including a Logical Model (use case, information model, operations)</li> <li>- Example implementation (platform-specific) - e.g., XML Schema</li> </ul>
3f. Common Names / Keywords / Aliases:	Master Terminology Knowledge Base, Master Term Dictionary
3g. Lineage	
3h. Project Dependencies	None
3i. HL7-Managed Project Document Repository URL:	<a href="#">[github repo TBD]</a>
3j. Backwards Compatibility	No
3k. Additional Backwards Compatibility Information (if applicable)	
3l. Using Current V3 Data Types?	N/A
3l. Reason for not using current V3 data types?	
3m. External Vocabularies	Yes
3n. List of Vocabularies	Ideally, the resulting guidelines can be used to represent both internal (HL7) and external (SNOMED, LOINC etc) vocabularies, including extensions (e.g., SOLOR extension to SNOMED)
3o. Earliest prior release and/or version to which the compatibility applies	

4a. Products	Guidance (e.g. Companion Guide, Cookbook, etc), Logical Model, White Paper
4b. For FHIR IGs and FHIR Profiles, what product version(s) will the profiles apply to?	
4c. FHIR Profiles Version	
4d. Please define your New Product Definition	
4d. Please define your New Product Family	
5a. Project Intent	White Paper
5a. White Paper Type	Balloted Informative
5a. Is the project adopting/endorsing an externally developed IG?	
5a. Externally developed IG is to be (select one)	
5a. Specify external organization	
5a. Revising Current Standard Info	
5b. Project Ballot Type	Informative
5c. Additional Ballot Info	
5d. Joint Copyright	No
5e. I understand I must submit a Joint Copyright Letter of Agreement to the TSC in order for the PSS to receive TSC approval.	no
6a. External Project Collaboration	Regenstrief (Confirmed) FDA (Possible) Others
6b. Content Already Developed	
6c. Content externally developed?	
6d. List Developers of Externally Developed Content	
6e. Is this a hosted (externally funded) project?	
6f. Stakeholders	
6f. Other Stakeholders	
6g. Vendors	
6g. Other Vendors	

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6h. Providers

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6h. Other Providers

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6i. Realm

Universal

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7d. US Realm Approval Date

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7a. Management Group(s) to Review PSS

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7b. Sponsoring WG Approval Date

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7c. Co-Sponsor Approval Date

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7c. Co-Sponsor 2 Approval Date

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7c. Co-Sponsor 3 Approval Date

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7c. Co-Sponsor 4 Approval Date

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7c. Co-Sponsor 5 Approval Date

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7c. Co-Sponsor 6 Approval Date

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7c. Co-Sponsor 7 Approval Date

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7c. Co-Sponsor 8 Approval Date

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7c. Co-Sponsor 9 Approval Date

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7c. Co-Sponsor 10 Approval Date

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7e. CDA MG Approval Date

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7f. FMG Approval Date

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7g. V2 MG Approval Date

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7h. Architecture Review Board Approval  
Date

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7i. Steering Division Approval Date

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7j. TSC Approval Date

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