

# Proposed SNOMED CT in OWL Document

# Goals

1. 100% compatible with *output* of Spackman Perl transform — when applied to targeted SNOMED CT International release context
2. Can be unambiguously applied to
  - *Any* edition or release
  - Multiple modules
  - Any language(s)
3. (As much as possible) Data driven — information about distinguished codes, never grouped, metadata about code system itself are not a part of the transformation
  - Any implementation should be able to do the “right thing” without having to edit software or create parameterized input

# Process

**1. Document Spackman Perl Transform behavior *as applied to Snapshot of US English Language refset of July 2015 Release of SNOMED CT Core Module using Stated Relationships file***

- Behavior outside of this context is not necessarily correct and will not be part of the target

**2. Generalize documented behavior to describe:**

- How any Language refset or combination thereof should be represented
- How metadata module should be represented
- How multiple modules and their dependencies should be represented
- Use and behavior on (full) Relationships file

**3. Recommend (minimum) additions to RF2 release to include release / edition dependent variables as part of the distribution and document the OWL behavior**

- Potentially lay out an interim ad-hoc solution

# Process (continued)

**4. Generate a set of test cases that can be used to test/certify any transformation**

- Demonstrate that Spackman Perl passes constrained subset

**5. (?) Create and publish fully compliant tool on IHTSDO website.**

# Questions and Issues

- Relationship between module and owl:ontology
  - imports? each combination is its own id?
- ontology metadata — needs to be part of the RF2 + ancillary files
  - Cannot be hard coded
- never-grouped attributes
- Retired concepts
- canonical identifiers — are there any that vary
- Non defining and non approved attributes

# Time Line

**1. Document Spackman Perl Transform behavior *as applied to Snapshot of US English Language refset of July 2015 Release of SNOMED CT Core Module using Stated Relationships file***

- April, 2016

**2. Generalize documented behavior**

- July 2016 — anticipate 2-3 one hour meetings

**3. Recommend RF2 additions**

- July 2016

**4. Published test set**

- September 2016