2018-08-15 - SLPG Meeting

Date & Time

20:00 UTC Wednesday 15th August 2018

Teleconference Details

To join the meeting please go to https://snomed.zoom.us/j/471420169.

Further information can be found at SLPG meeting information

Attendees

- Chair: Linda Bird
- Project Group: Ed Cheetham, Michael Lawley, Harold Solbrig , Rob Hausam, Anne Randorff Højen

Goals

- URI standard
  - Review use cases for computable language instance URI
  - Review language instance URIs
- Proposed language features
  - Transitive relationships in ECL
  - Ability to execute maps from within ECL

Apologies

Agenda and Meeting Notes

Description	Owner	Notes
Welcome and apologies	Linda Bird	
URI Specification	Linda Bird	• Review use cases for computable language instance URI • Review language instance URIs
Proposed Language Features	Linda Bird	Other topics for discussion. For example: • ECL suggestions ◦ Transitive relationships and role chaining in ECL (to align with new enhanced DL axioms) ▪ Example 1: • **Direct relationship** < 404684003 |Clinical finding|: << 246075003 |Causative agent| = << 58800005 |Streptococcus (organism)| • **Transitive relationship** < 404684003 |Clinical finding|: << 246075003 |Causative agent|* = << 58800005 |Streptococcus (organism)| ▪ Example 2: • **Direct relationship** < 71388002 ||: 363701004 |Direct substance| = 372687004 |Amoxicillin| • **Role chained relationship (via 738774007 |is modification of|)** < 71388002 ||: 363701004 |Direct substance|* = 372687004 |Amoxicillin| ◦ The specific use-case here comes initially from Jeremy and relates to being able to work with inactive concepts via the historical association maps. For example, given an ECL expression, e, that identifies a set of concepts to be used for retrieving patient records, you probably also want to retrieve records for sameAs(e) and replacedWith(e) ▪ Example 1: • **???** (< 72704001 |Fracture| AND ^ 900000000000527005 |SAME AS association reference set|) . 900000000000533001 |Association target component| • Query language - Can we de-scope relationship filters?

Query Language - Summary from previous meetings	Linda Bird	**Examples: version and language** ○ << 64572001 |Disease| {{ term = "*heart*" }} **VERSION** http://snomed.info/sct/900000000000207008/version/20180131 ○ << 64572001 |Disease| {{ synonym = "*heart*" }} **VERSION** http://snomed.info/sct/90000000000207008/version/20180131 ○ << 64572001 |Disease| {{ FSN = "*heart*" }} **VERSION** http://snomed.info/sct/90000000000207008/version/20180131 ○ << 64572001 |Disease| {{ FSN = "*heart*" }} **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** W ○ << 64572001 |Disease| {{ preferredTerm = "*heart*"}} **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** Y ○ << 64572001 |Disease| {{ acceptableTerm = "*heart*"}} **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** Y ○ (* {{ term = "*heart*" }} **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** Z) MINUS (* {{ term = "*heart*" }} **VERSION** http://snomed.info/sct/90000000000207008/version/20170731, **LANGUAGE** W) ○ X MINUS Y **WHERE** X = * , Y = (* {{ term = "*heart*" }}) **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** W **Notes** ○ Allow nested where, version, language ○ Scope of variables is inner query
		Examples: where ○ X MINUS >! X **WHERE** X = (<< 1234 : 5678 = << 6547) ○ X MINUS >! X **WHERE** X = (<< 1234 : 5678 = << 6547) **VERSION** http://snomed.info/sct/90000000000207008/version/20180131 ○ X MINUS >! Y **WHERE** X = (<< 1234 : 5678 = << 6547), Y = (<< 1456) **VERSION** http://snomed.info/sct/90000000000207008/version/20180131 ○ X MINUS >! X **WHERE** X = (<< 1234 : 5678 = << 6547) **VERSION** http://snomed.info/sct/90000000000207008/version/20180131 , **LANGUAGE** 900000000000508004 |GB English| ○ X MINUS >! X **WHERE** X = (<< 1234 : 5678 = << 6547) **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** 999001881000000108|GB clinical extension LRS|, 900000000000508004 |GB English| ○ X minus >! X **WHERE** X = (< M **WHERE** M = (< 1234))) **VERSION** http://snomed.info/sct/90000000000207008/version/20180131, **LANGUAGE** 999001881000000108|GB clinical extension LRS|, 900000000000508004 |GB English| **Notes** ■ Allow nested variable definitions, but recommend that people don't due to readability ■ Scope of variables is the inner query ■ No recursion e.g X **WHERE** X = 1234 MINUS X • ie can't use a variable in its own definition • ie X is only known on the left of the corresponding **WHERE**, and not on the right of the **WHERE**

Keywords for Term-based searching:

- **D.term**
  - D.term = "*heart*"
  - D.term = wild:"*heart*"
  - D.term = regex:".*heart.*"
  - D.term = match:"hear att"
  - D.term = (sv) wild: "*heart*"
- **D.languageCode**
  - D.languageCode = "en"
  - D.languageCode = "es"
- **D.caseSignificanceId**
  - D.caseSignificanceId = 900000000000448009 |entire term case insensitive|
  - D.caseSignificanceId = 900000000000017005 |entire term case sensitive|
  - D.caseSignificanceId = 900000000000020002 |only initial character case insensitive|
- **D.caseSignificance**
  - D.caseSignificance = "insensitive"
  - D.caseSignificance = "sensitive"
  - D.caseSignificance = "initialCharInsensitive"
- **D.typeId**
  - D.typeId = 900000000000003001 |fully specified name|
  - D.typeId = 900000000000013009 |synonym|
  - D.typeId = 900000000000550004 |definition|
- **D.type**
  - D.type = "FSN"
  - D.type = "fullySpecifiedName"
  - D.type = "synonym"
  - D.type = "textDefinition"
- **D.acceptabilityId**
  - D.acceptabilityId = 900000000000549004 |acceptable|
  - D.acceptabilityId = 900000000000548007 |preferred|
- **D.acceptability**
  - D.acceptability = "acceptable"
  - D.acceptability = "preferred"

Additional Syntactic Sugar

- **FSN**
  - FSN = "*heart"
    - D.term = "*heart", D.type = "FSN"
    - D.term = "*heart", D.typeId = 900000000000003001 |fully specified name|
  - FSN = "*heart" **LANGUAGE** X
    - D.term = "*heart", D.type = "FSN", D.acceptability = * **LANGUAGE** X
    - D.term = "*heart", D.typeId = 900000000000003001 |fully specified name|, acceptabilityId = * **LANGUAGE** X
- **synonym**
  - synonym = "*heart"
    - D.term = "*heart", D.type = "synonym"
    - D.term = "*heart", D.typeId = 900000000000013009 |synonym|
  - synonym = "*heart" **LANGUAGE** X
    - D.term = "*heart", D.type = "synonym", D.acceptability = * **LANGUAGE** X
    - D.term = "*heart", D.typeId = 900000000000013009 |synonym|, (D.acceptabilityId = 900000000000549004 |acceptable| OR D.acceptabilityId = 900000000000548007 |preferred|) **LANGUAGE** X
- **synonymOrFSN**
  - synonymOrFSN = "*heart"
    - synonym = "*heart" OR FSN = "*heart"
    - D.term = "*heart", (D.type = "synonym" OR D.type = "fullySpecifiedName")
  - synonymOrFSN = "*heart" **LANGUAGE** X
    - synonym = "*heart" OR FSN = "*heart" **LANGUAGE** X
    - D.term = "*heart", (D.type = "synonym" OR D.type = "fullySpecifiedName"), D.acceptability = * **LANGUAGE** X
- **textDefinition**
  - textDefinition = "*heart"
    - D.term = "*heart", D.type = "definition"
    - D.term = "*heart", D.typeId = 900000000000550004 |definition|
  - textDefinition = "*heart" **LANGUAGE** X
    - D.term = "*heart", D.type = "definition", D.acceptability = * **LANGUAGE** X
    - D.term = "*heart", D.typeId = 900000000000550004 |definition|, D.acceptabilityId = * **LANGUAGE** X
- **Unacceptable Terms**
  - (D.term = "*heart") MINUS (D.term = "*heart", D.acceptability = * **LANGUAGE** X)

		Language preferences using multiple language reference sets
		• **LRSs that use the same Language tend to use 'Addition' - i.e. child LRS only includes additional acceptable terms, but can override the preferred term**
		  ◦ **E.g. Regional LRS that adds local dialect to a National LRS**
		  ◦ **E.g. Specialty-specific LRS**
		  ◦ **E.g. Irish LRS that adds local preferences to the en-GB LRS**
		  ▪ 99999900 |Irish language reference set| **PLUS** |GB English reference set|
		• **LRSs that define a translation to a different language tend to use 'Replacement' - i.e. child LRS replaces set of acceptable and preferred terms for any associated concept**
		  ◦ **E.g. Danish LRS that does a partial translation of the International Release**
		  ▪ 999999 |Danish language reference set| **ELSE** |GB English reference set|

Other topics	Linda Bird	
Confirm next meeting date /time	Linda Bird	The next SLPG meeting will be held in 4 weeks at 20:00 UTC on **Wednesday 12th September** (to avoid the MAG meeting in 2 weeks)**.**

File **Modified**

No files shared here yet.