SNOMED CT canonical CodeSystem resource

The FHIR specification has an incomplete canonical CodeSystem resource at http://build.fhir.org/codesystem-snomedct.html(or the earlier / published version: https://www.hl7.org/fhir/codesystem-snomedct.html)

This is something SNOMED International should really take ownership of, complete it, host it and keep it up to date...but obviously this group can help with all of that (except the hosting!).

I've included a table below which indicates the elements and their values in the current resource. The other thing to consider is the HTML rendering and what it should say, the current one you can see at https://www.hl7.org/fhir/codesystem-snomedct.html is in the current resource as generated text from the resource.

Ideally this should be hosted at http://snomed.info/sct and behave as a proper FHIR endpoint (e.g. respond appropriately to JSON and XML accept headers).

Please comment on the appropriateness of the current values and suggested changes.

Element	Value				Discussion
id	snomedct				Specified by individual server, so we could leave blank here.
url	http://snomec	l.info/sct			We'd expect this to redirect to the most recent international release.
version					This probably should be a specific URI to the particular edition/version but not defined in the Canonical form. Suggest we mandate this field if this document is specifying a template. RH had concerns about this since concepts couldn't then be referred between different versions. Note that the context here is an instance of a Code System resource from at Term Server perspective, not individual concepts as used a medical record where the SCTID plus description provides meaning.
identifier	system	urn:ietf:rfc:398	36		This is the SNOMED OID used in other specifications eg CDA.
	value	urn:oid:2.16.840.1.113883.6.96			
name	SNOMED CT				While this is the canonical value, each server would specify the particular edition they're making available.
title	SNOMED CT	(all versions)			Not required?
status	active				
experiment al	false				
publisher	IHTSDO				Change to SNOMED International
contact	telecom	system value	url http://ihtsdo.org		Changes to snomed.org
description	health termine around the w	ology product in orld by The Inte	mprehensive and p n the world, owned ernational Health T ganisation (IHTSDC	and distributed erminology	Peter G. Williams check current text
copyright	Development SNOMED CT Pathologists.	Organisation (®, was original "SNOMED" an	lealth Terminology IHTSDO). All rights Ily created by The 0 d "SNOMED CT" a http://www.ihtsdo.or	s reserved. College of American are registered	Peter G. Williams check current text. Next release will take year up to 2019. That URL is now https://www.snomed.org/snomed-ct/get-snomed
caseSensiti ve	false				Definition of element here is "If code comparison is case sensitive" which because SCTIDs are numeric, it's not.
hierarchyM eaning	is-a				Suggest improving the documentation for this element, is somewhat ambiguous. "Properties of parent apply to child" is certainly true.
compositio nal	true				"True If code system defines a post-composition grammar."
versionNee ded	false				"This flag is used to signify that the code system has not (or does not) maintain the definitions, and a version must be specified when referencing this code system."
content	not-present				We're not expecting to include all of SNOMED-CT in this resource.

filter	code	description			operator	value	RH notes that the distinction between plural and not is subtle in text and substantial in effect.
	concept	 on their logical definition. e.g. [concept] [is-a] [x] - include all concepts with an is-a relationship to concept x, or [concept] [in] [x]- include all concepts in the reference set identified by concept x i The result of the filter is the result of executing the given SNOMED CT Expression Constraint 			is-a in	A SNOME D CT code	Could use "constraint" for the first instance. However, is likely already in use. ML confirms and in fact this field was previously called "constraint". "PostCoordination" a suggested alternative for 2nd which is the more problematic of the two. ML: Is "expressions" more relevant to an expansion profile? PW: Changing
	expressi on				=	A SNOME D CT ECL expressi on (see ecl)	 "are" to "should be" would make intention clearer. Dion McMurtrie contact GG to track down where "expressions" came from and confirm the use case is? Has been there for some time. Posted on chat.fhir.org at https://chat.fhir.org/#narrow/stream/89-snomed/topic /SNOMED.20CT.20filters
	expressi ons				=	true or false	
property property (cont)	code	uri description			type		We need URI values for parent / child and Normal Form here.
	inactive	info/field no		Whether the code is active or not (defaults to false). Not the same as deprecated		boolean	If / when the URI standard is extended to include ECL then parent / child would arrive that. ML: parent and child are general properties that are not SNOMED specific, these are FHIR specified properties. Have inserted FHIR URIs here. Suggestion that normalFormTerse is changed to Canonical Normal Form, and normalForm changed to Necessary Long Normal Form (and use these terms in the description column also, with sufficient text to explain the difference between the two). URI is, also, optional.
	definitio nStatusId	http://snomed. info/field /Concept. definitionStatusId		Either of the codes that are descendants of 900000000000444006		code	
	parent	http://hI7.org/fhir /concept- properties#pare nt		A SNOMED CT concept id that has the target of a direct is-a relationship from the concept		code	
	child	 http://hI7.org/fhir /concept- properties#child http://snomed. info/field /Concept. moduleld http://snomed. org /longnormalform 		A SNOMED CT concept id that has a direct is-a relationship to the concept The SNOMED CT concept id of the module that the concept belongs to. Generated Normal form expression for the provided code or expression, with terms			Noted the impact on implementers in changes here, so name changes noted above will not be recommended at this time.
	moduleId					f code	 Michael Lawley to take up the URIs for Normal Forms with the SNOMED Languages Group. However in any event, the description should be updated here.
	normalF orm					string	Dion McMurtrie to update description text.
	normalF ormTerse	http://snom org /canonicaln lform		Generated Norma expression for the code or expression only	e provided	string	
	There is also listed the attributes used in SNOMED CT, a couple of examples to express the pattern are						Code should be the SCTID rather than term.
	code uri			tv	ре	Rob Hausam How is this list defined? Descendants of "Attribute" ?	
	Due to			nomed.info/id/42752001 co			Perhaps more relevant to use attributes currently in use in the International Edition.
	Associat	ociated with http://snomed.info/id/474			29007 code		FSN should be populated in the description column.
<additional></additional>	 Additional elements worth considering populating are date - date of last change to the resource purpose - why is this code system defined valueSet - Canonical URL for the value set with the entire code system 						DM suggested date was worth populating to show when the resource last changed.
							Boiler plate text for purpose? "SNOMED CT (Systematized Nomenclature of Medicine Clinical Terms) is a standardized, multilingual vocabulary of clinical terminology that is used by physicians and other health care providers for the electronic exchange of clinical health information."
							https://searchhealthit.techtarget.com/definition/SNOMED-CT
							The URL for the entire code system is a notional valueset that contains all versions of all editions. It would not change from instance to instance and is immutable.
<additional></additional>	theoretica Internation	Ily expande	ed woul or the S	whether the valued return all of SI SNOMED CT "U n resource represented to the	NOMED CT niversal" Edi		To be defined for the individual code systems. Could state the implicit value set endpoint for the server.