20170922\_HL7\_LIVD\_Notes

Attendees: Riki, Hans, Mike, Ed, Dan

Will need to handcraft catalogEntry, because tool works ONLY against published

Maybe have joined meeting on Wednesday calls and get their thoughts to

Hans learned how extensions are done in the tool – we will ignore

observationDefintion as alternative for ConceptMap / codeSystem

slides from Hans – see wiki

LIVD publication:

Warning here, because R3 does not allow to NOT have subject reference – but was approved by SD WG, so will be in R4

Set status to “Final”

typeCode = fix to LOINC for LIVD Mapping

author = just display name = use organization

title is required – use filename

Section:

Section.title = catalogEntry / ConceptMap / CodingSystem – just

Section.code = code for the specific section –

Section.entry:

Reference to the respective entries for the specified section – will have to learn how to do that in the tooling

Extension for version 1..1

Extension for language: 1..1

Extension for region which is 0..1 – with element of text = ST, 1..1

What is the section representing?

Section 1 may be all the catalogEntries, all deviceEntries, conceptMaps, CodeSystem resource instances – or use bundle for that?

We just need the list of devices and the devices contain the observationDefinition for the tests that are linked to the device

Device = instrument

observationDefinition = tests with codes

May be just need only 2 sections – one for devices and one for conceptMap

Maybe bundle is all we need and maybe we don’t need to use composition

CatalogEntry:

Need to see how many attributes we need form here

Device:

UDI – to the level of model number, NOT the barcode to the instance = 0..1

DeviceID and issuer = 0..1 – issuer is required WHNE deviceID is used (may need to

Manufacturer = 0..1

Device should contain the observationDefinitions to represent the tests it can perform – that would have to be an extension

The ConceptMap can then map the observationDefintion to the LOINC

Adding observationDefinition:

Identifier

Code (code System)

Who/what can perform this – reference the device from here

Device can perform many different test and can establish a result for each test – and each result has a reference ID – but depending on specimen, and what property the result is using determines the LOINC (this was supposed to be covered with depends on)

Have IVD test code be profile on observationDefinition

Not sure observationDefinition is needed for this mapping, when all we need to map is the code form the code system

Dan would like to preserve the hierarchical way of equipment = device and the code linked to it

Device needs to contain the conceptMap – and only 1 per device – we already have that in the diagram

It is important to keep the context of the

We need version 2 of LIVD white paper for the dependsON attributes that codify more – would need to bring this back to the community

But we have the codified attributes are already available in FHIR and that needs the observationDefinition – this is a scope section of what the FHIR version of this publication (that needs to come from the project team that created the white paper)

The white paper was based on what is currently in print in the package insert – so this for sure requires human intervention

For now should work with what is defined, but build it with the exchange into observationDefinition in the future

Not sure we must have the manufacturer agreement, but we are now working with a tool that gives us the goal state, even if not all the manufacturers can consume this specification right now, but set it up so it is codified to get it production ready in large portion of

2 pronged approach – discuss this can we do things in parallel and accommodate both (FHIR or just use the json form defined in white paper, if not codified) – Hans for now will cover both versions in FHIR

No call next week – next call 10/6/2017 1 – 2 PM ET