1. So of the remaining tasks for completing the KG and shape, related to the usecase Transport Service -- Search and Find Usecase, are presented below:

Tasks:

Correcting the names and labels according to the convention to keep the consistency of the syntax through the project.

Name for classes and data type properties:

o {first letter of the entity in Capital} --- if there is only on word -- for example class Parcel

o {first letter of the first word in Small}{First letter of the second word in Capital} --- in case we are having bigrams: for example parcel size should be formalized as parcelSize

Who:Maaike

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Labels for classes and datatype properties:

o {First word – first letter in Capital}{ }{ second word(the first letter in capital)}

 Example-- rdfs:label “Parcel Size”

 Example – rdfs:label “Parcel”

Who:Maaike

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Populate the excel sheet with rdfs:comment

o Complete the description column (comment) for each entity, send for review.

o once confirmed, populate the ontology using rdfs:comment.

Who: Dena

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correct object properties according to the given conventions:

Object properties having suffix “detail”

a. Event\_detail

b. Convention: {entity}{\_}detail event\_detail

WHO:Dena

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Analyze and take actions on Wout comments in the KG tab of the inventory.

Who:Dena

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Check the quality of the KG :

Correctness of the hierarchy, structure

Completeness of the attribute, content,

Semantics: domain and range.

Who: Cornelis,

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the classification graph:

We now have some code lists and vocabularies for cargo types, location, DG types and etc which needs to be completely defined in the Classification.tt

Who: Dena

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Shape files:

Create the shapes for the required entities (in the inventory).

Validate the shape graphs using some sort of validation engine.

Use the tab named Rules in the excel inventory and formalize them as RDF using Shacl language.

Who: Dena and/or All (there are many shapes so we can divide it among us) I start with the implementation and we can see the progress Monday.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Git organizations

Who:All of Us. (master branch needs to be stable.

Commit message needs to be complete and thorough)

Then after we are completed with these ones, we can set up a meeting and present the KG and constraints to the Ledger team and get feedback.

The deadline (When) is not known for me.

The working document for all of these tasks is the inventory excel sheet (also exists on the shared TNO drive)

I made a suggestion for the “Who” for each task,

I tried to roughly describe what needs to be done for each task,

Regarding the How to do the task, I think we can go with our individual way of working but it is good (useful) to document how the task is done. (manual, automated, semi-automated)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Tasks for FT Usecase:

- Ledger ontology (commented by Dena and Cornelis)

- Truck information needs to be part of KG (not done)

- constraints fro FT use case needs to be defined and implemented (not yet)

- Inventory of lexicons for FT Usecase(not done)