

Assumption:

- the LTR stores only resolved (or expanded) value sets.
- No maps, code systems or value set look-up
- No automatic notification ?

(1) Start Up / Recovery

Force the resync on the whole LTR content or of specific value sets/Maps.

This has to be incremental in order avoid the need of restarting the profess if anything goes wrong...

(2) Synchronization

ASSUMPTION: The list of maps and value sets to be downloaded/ updates are known

To be clarified if it might be context dependent or not.

When the LTR needs to be updated ?

| | Create | Update | Delete |
|-----------------|-----------------------|--|--------------------------------|
| Value Set (VS) | New value set defined | New VS version: (a) Code system version change (b) The value set content changes Exceptions (i) technical fix on Coded Concept (ii) technical fix on code systems (iii) technical fix on value set | The Value set is made obsolete |
| Map/MapSet (MP) | New map defined | New MP version (a) Source Value set change (b) target VS change (c) associations are updated Exceptions | The map is made obsolete |

| | | | |
|-------------------------------|----------------------------|--|----------------------------------|
| | | (i) technical fix on Coded Concept (ii) technical fix on code systems (iii) technical fix on value set | |
| Translation (Designation) (T) | A new translation is added | Translation is changed | The translation is made obsolete |

| Action / Subj. | Type of change | Potential Affected item | Responsible | NCP Owner | Other NCPs | Sync mechanism |
|----------------|-----------------------|---|-------------|---------------------|--|----------------|
| C / VS | New value set created | VS Coded concept (version) Designations <i>(note any change on a VS may trigger a Map change but this is handled as a separate task)</i> | EU | Not Applicable (NA) | Human notification. Activation date known The list of value set needs to be updated. Complete LTR sync ? Only new Value sets ? | On demand ? |
| D / VS | Obsolete Value set | VS Coded concept (version) Designations | EU | Not Applicable (NA) | Human notification. De-Activation date known The list of value set needs to be updated. Complete LTR sync ? | On demand ? |

| Action / Subj. | Type of change | Potential Affected item | Responsible | NCP Owner | Other NCPs | Sync mechanism |
|----------------|--|---|-------------|--|--|---|
| U / VS | Code System Version change. | VS (version) CS (version) Coded concept (version) Designations <i>Note: New translations made available by the SDOs are treated as part of the Code System version update</i> | EU | Not Applicable (NA) | Human notification Activation date known Complete LTR sync ? Only affected Value sets ? | On demand ? |
| U / VS | Value set content change | VS version Coded concept version Designations | EU | Not Applicable (NA) | Human notification Activation date known Complete LTR sync ? Only changed Value sets ? | On demand ? |
| C, U, D / T | Translation updated / created / obsolete | Designations | MS | The owner is aware about the change and ask for the resync of the affected (or all ?) Value Sets | To be verify who is entitled to use the translations. In case the Term Resp. should notify the others. That should resync the LTR. | Owner : on demand Other : - On demand ? - Cron ? |
| C / MP | New Map created | Map/MapSet | MS | The owner is aware about the change and ask for the resync of the affected (or all ?) Maps | Not Applicable (NA) | On demand ? |
| D / VS | Obsolete Map | Map/MapSet | MS | Not Applicable (NA) | Not Applicable (NA) | On demand ? |
| U / VS | Map updated | Map/MapSet | MS | Not Applicable (NA) | Not Applicable (NA) | On demand ? |

