



2nd SSN LRIT Group Meeting

Central Locations Database – Progress report

Agenda item 2.4.5

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Background



Although each maritime application of the SSN ecosystem handles its specific set of data, user community and access rights mechanisms it was decided to have some common elements such as **Organisations, Ships, Countries and Locations**.

One of the common databases implemented under the CMC is the **Central Location Database (CLD)**. This database is meant to be used as a reference for locations by all maritime applications of the SSN ecosystem as well as national systems of the Member States (SSN and NSW).

CLD content and data elements

The CLD includes all LOCODEs listed on UN/LOCODE list (all functions), SSN Specific locations as well as port facilities information stemming from the IMO Maritime Security module of GISIS.

Each LOCODE contains the following details:

I. Location identification

- Location code - Unique identifier of the location (Mandatory)
- Location Name with diacritics (Optional)
- Location Name without diacritics (Mandatory)
- Comments (Optional)
- Country (Mandatory)
- Type – UNECE or SSN Specific (Mandatory)
- Function [in line with UNECE (1 is Port, 2 is Rail Terminal, etc.)] (Optional)
- Status (Active/Inactive) (Mandatory)



II. Location position (Optional)

- Latitude
- Longitude

III. Location attributes (Optional)

- Other Location Names
- Subsidiary Location
- Is a location in a Sulphur Emission Control Area (SECA)

IV. Port facilities (Optional)

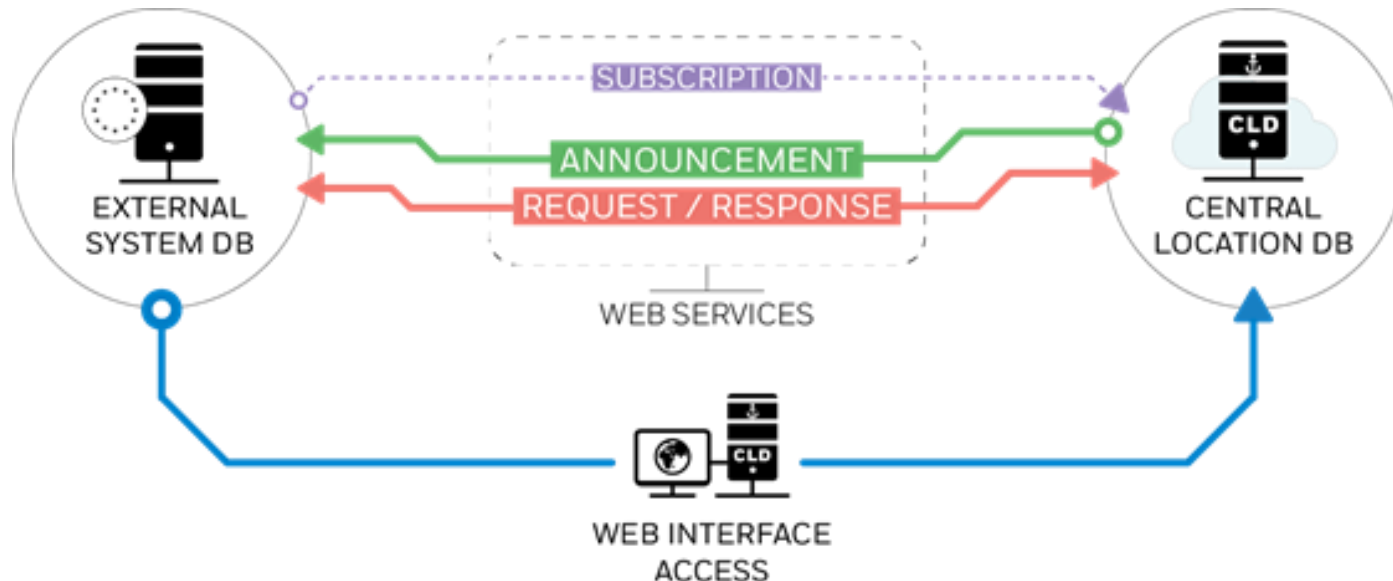
- Port Facility Name
- Port Facility Description
- Port Facility LOCODE
- Port Facility GISIS code
- Port Facility Coordinates
- Latitude
- Longitude

V. Location images (Optional)

VI. EMSA Applications (Mandatory) - identification of the maritime application for which LOCODE is active.

CLD current status

- The CLD has been released in July 2017 together with version 3.4 of SSN.
- On 27 September the CLD was fed with the data (UN/LOCODE, SSN Specific and port facilities from GISIS).
- The CLD information is made available to external systems through the following services:





LIVE DEMO

CLD management – updates



- The synchronisation of the CLD with the UN/LOCODE list and IMO Maritime Security module of GISIS is done manually by the EMSA CLD administrator.
- The UN/LOCODE list is regularly issued by UNECE (twice a year). After consulting MSs this list will be uploaded into CLD by EMSA.
- IMO Maritime Security module of GISIS is regularly updated by the Contracting Governments through the IMO GISIS webpage. CLD administrator will verify the IMO GISIS webpage on a monthly basis and update (if necessary) the list of port of facilities in the CLD.
- The CLD also allows the National LOCODE administrators to maintain the list of locations and port facilities of their countries up to date.

Link between CLD and SSN registry



- Each time that a change is done in the CLD (add, change or deactivate), the corresponding location data is sent to SSN Operational LOCODE registry (only if the LOCODE is active for “SSN” application in the CLD).
- Notifications provided to the Central SSN are still validated against SSN Operational LOCODE registry. Therefore, the **National SSN systems shall only use locations that in CLD are active for SSN application** and consequently available in the SSN Operational LOCODE registry.
- The temporary LOCODEs will be only kept in SSN Operational LOCODE registry. The temporary LOCODEs that the NCA considers necessary for SSN reporting purposes should be created as “SSN specific” by the MSS or directly by the NCA in the CLD.



Short term

- Access to CLD via EMSA portal will be granted for the SSN NCAs.
- EMSA webpage will be updated to include information about the CLD.
- User manual for the CLD is being prepared and will be published on EMSA webpage.
- SSN LOCODEs guidelines will be updated and presented for approval during the 3rd SSN/LRIT group meeting.
- Member States willing to connect to CLD via system to system interface will perform the commissioning tests.
- In version 3.5 of SSN (planned for that last quarter of 2017) it is planned to update the CLD with the additional information required for the IUU project (fight against Illegal, Unreported, and Unregulated fishing).



Long term

- EMSA is preparing changes to CLD in order to provide new features for the users accessing CLD via EMSA portal.
- EMSA is in contact with UNECE to assess possibility of developing web services between UN/LOCODE list and external systems.
- EMSA has also contacted the IMO to determine whether the GISIS Maritime Security module could be made available this way.
- THETIS-EU will be extended in support of the PRF Directive. EMSA will investigate if the CLD could be upgraded to include the list of port reception facilities from IMO.



Member States are invited to:

- Take note of the information provided
- Contact EMSA if willing to develop web services to connect to the CLD



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