

# UN/LOCODE Advisory Group

## The use of UN/LOCODE in EMSA Central Location Database (CLD)

Agenda item 4: New developments and follow-ups

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- **EMSA is a community agency of the European Union with its own legal identity**
  - one of >30 agencies in the EU
- **Over 250 employees (recruitment of staff started in 2003)**
- **Domains of the Agency:**
  - Maritime safety
  - Preventing/responding to pollution from ships& off shore installations
  - Ship security
  - Vessel traffic monitoring
- **Vision:** EMSA's vision is to be the centre of excellence for a safe and sustainable EU maritime sector.
- **Budget:** about 80 million €

## What is the purpose?

- The identification of a particular locations/ports is required in international trade and transport to identify movements of ships and goods
- Unique and harmonised database with location codes was necessary to be established to avoid confusion and difficulties for data exchange and to ensure that all systems “speak” the same language.

## Legal basis:

SSN Interface and Functionalities Control Document – section 5.2.3 Reference Database Management: *Reference databases are those used at the central, national and local levels to support reporting obligations. A non–exhaustive list of the potential databases includes: the **location codes database (LOCODES)**, the central ship database, the users database and the dangerous and polluting goods database.*

## Definition:

**Central Location Database (CLD)** is 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).

The CLD includes all LOCODEs listed in **UN/LOCODE list**, SSN Specific locations as well as port facilities information stemming from the IMO Maritime Security module of the Global Integrated Shipping Information System (GISIS).

# CLD data elements

Each LOCODE may contain 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)

## III. Location attributes (Optional) – cont.

- Is a location an EU Border Inspection Post (BIP)
- Is a location in the list of designated EU ports where transshipment and/or landing operations of fishery products are authorised according to EC Regulation 1005/2008

## IV. Port facilities (Optional)

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

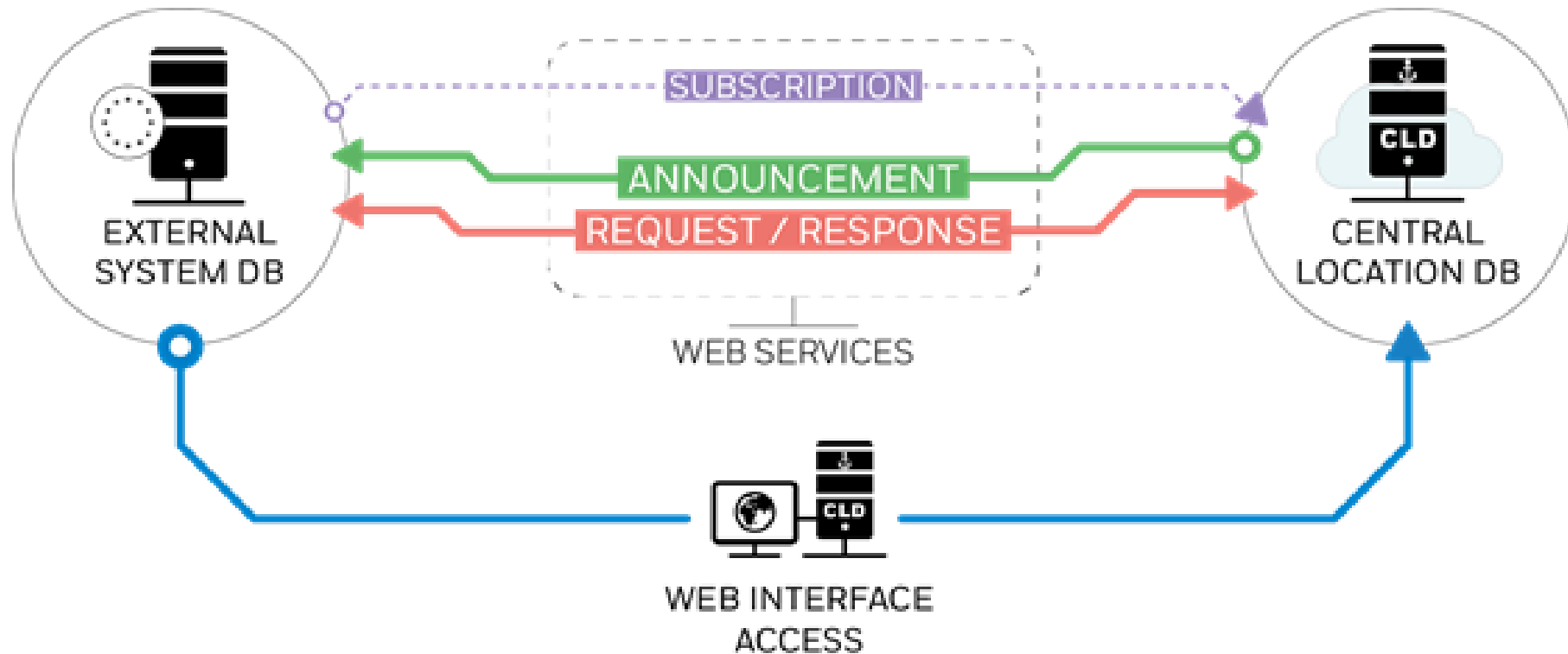
## V. Location images (Optional)

## VI. Location areas (Optional)

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

# CLD system interfaces

The CLD information is made available to external systems through the following services:





# SSN in General

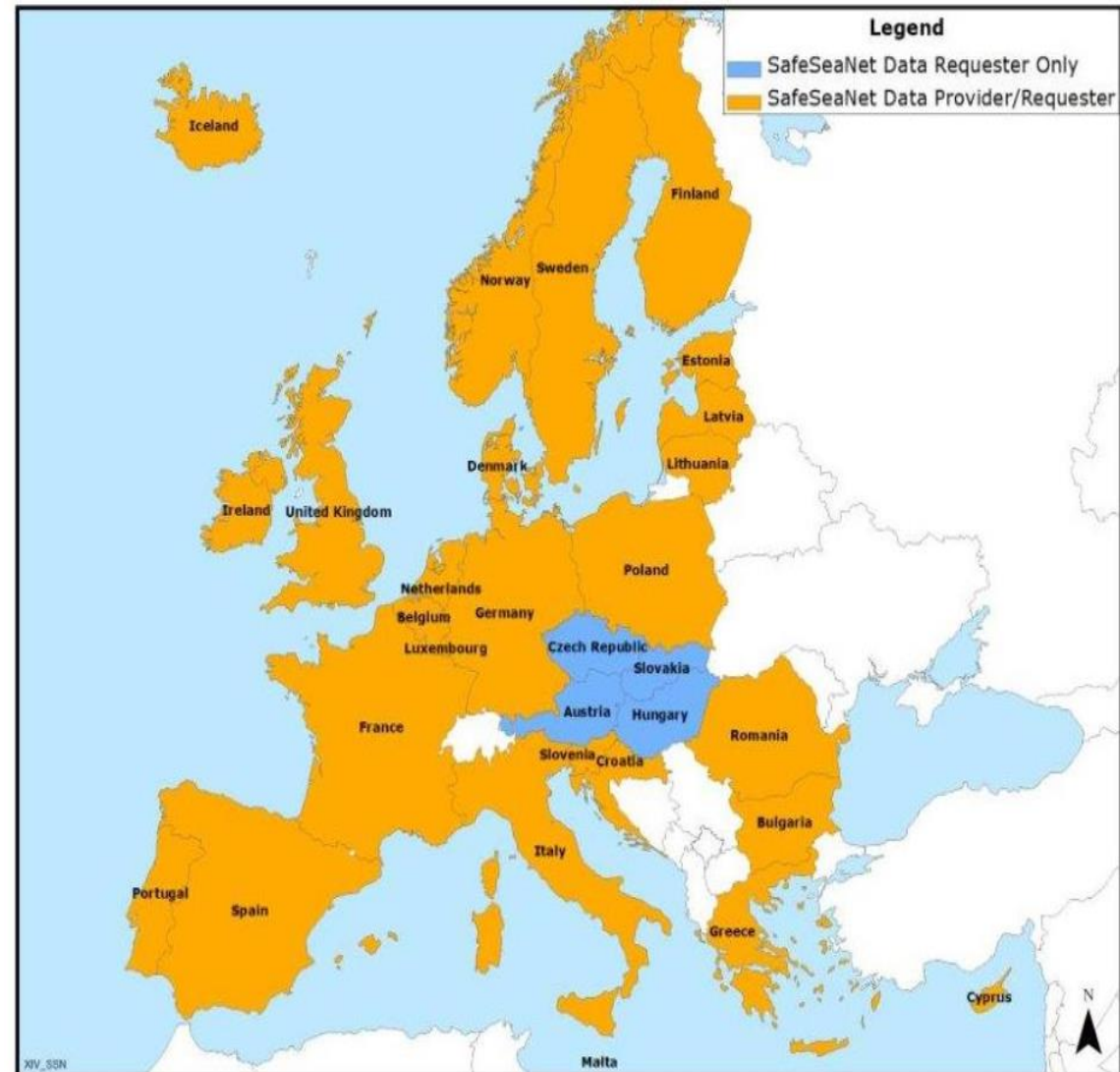
## Information and exchange system for reception, storage, retrieval and exchange for:

- Maritime safety
- Port and Maritime security
- Marine environment protection
- Efficiency of maritime traffic and transport

# Introduction to SSN

► **SSN enables 30 Countries (EU Member States, plus Iceland & Norway), to exchange information on:**

- vessel traffic (position/shipcalls/incidents etc.)
- dangerous and polluting goods carried on board ships



Countries Participating in SafeSeaNet (2014)

## ► Ship notifications:

- AIS and
- MRS

## ► Port Plus notifications:

- Pre-arrival (72h - 24 hours ), arrival and departure
- Hazmat information (dangerous and polluting goods on board)
- Waste and security pre-arrival notifications (Dir. 2010/65/EU)

## ► Incident reports:

- Information submitted by MSs about accidents and incidents occurring at sea (e.g SITREP, POLREP, etc.)

## Roles and Responsibilities:

### NCA

- maintains up-to-date lists of LOCODEs within its own National SSN;
- coordinate the creation/deletion/updates of UN/LOCODEs with those authorities at MS officially designated to manage the UN/LOCODEs.

### EMSA

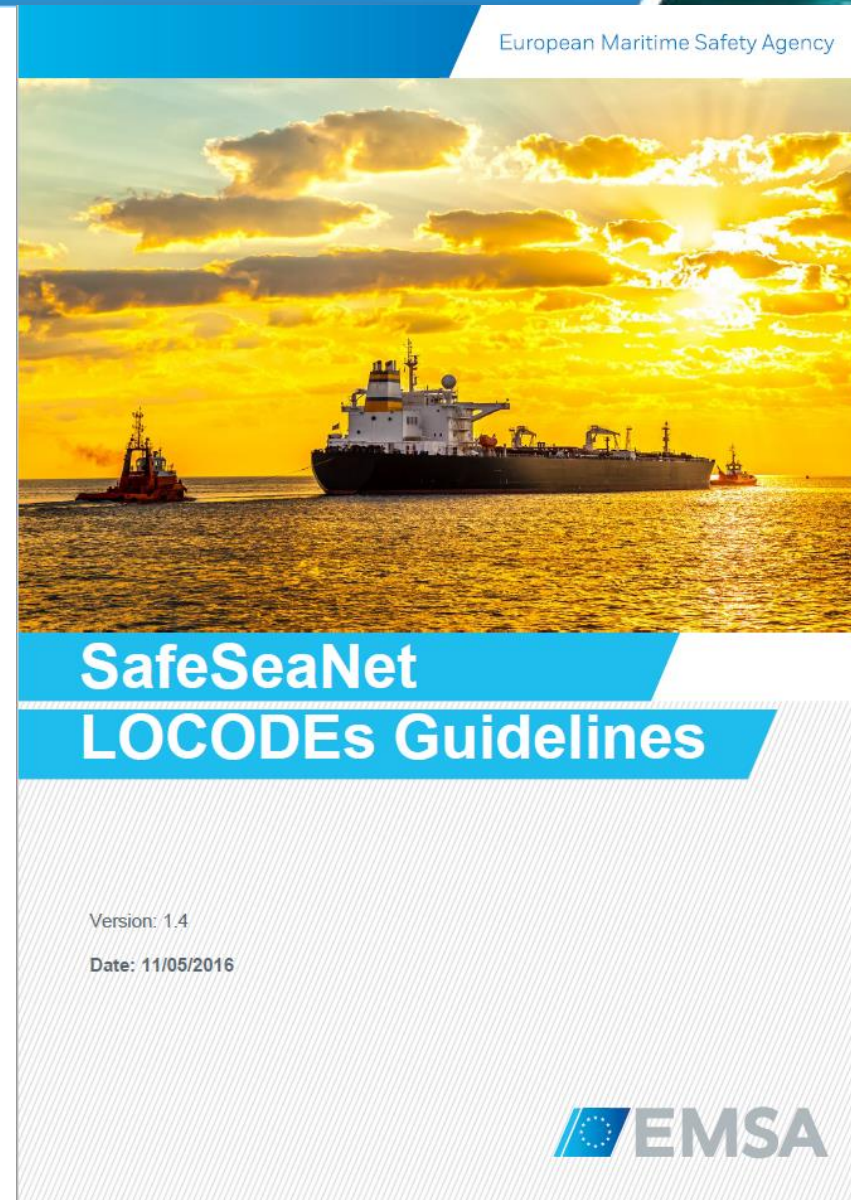
- developed and maintains centrally the location codes database (CLD) in order to harmonise the data and to avoid inconsistencies;
- performs quality checks and reports to the MSs on temporary locations, rejections caused by the LOCODEs (invalid LOCODEs, not permitted locations, deactivated LOCODEs, LOCODEs used in SSN and not registered in THETIS).

# LOCODEs in SSN

LOCODEs in SSN.

How to deal with?

Please consult the  
**LOCODEs guidelines**



# LOCODEs in SSN – SSN application

The screenshot displays a web application interface. At the top, there is a browser tab titled 'Tankship + cc' and a clock showing '2020-11-16 14:17:44Z'. Below the browser window, a 'Previous Voyages' table is visible. The table has columns for Status, ShipCallID, Departure, Arrival, Last Updated On, Last Port, Departure from Last Port, Port of Call, Arrival to Port of Call, and Departure from Port of Call. The table lists several voyages with their respective details. To the right of the table, a map of Europe is shown with numerous blue location markers. The EMMSA logo is located in the bottom left corner.

Status	ShipCallID	Departure	ShipCallID	Arrival	Last Updated On	Last Port	Departure from Last Port	Port of Call	Arrival to Port of Call	Departure from Port of Call
Closed (ATD)			<a href="#">NLVLI20013997</a>		2020-11-14 14:04	Leixoes (PTLEI) Portugal	2020-11-09 23:00 (ETD)	Vlissingen (NLVLI) Netherlands	2020-11-13 19:35 (ATA)	2020-11-14 12:49 (ATD)
Dummy	<a href="#">ESLCG202000982</a>		<a href="#">PTLEI202000000002505</a>		2020-11-16 03:00	La Coruna (A Coruna) (ESLCG) Spain	2020-11-08 15:30 (ATD)	Leixoes (PTLEI) Portugal	2020-11-09 15:00 (ETA)	2020-11-10 17:00 (ETD)
Closed (ATD)	<a href="#">12fbbfd8-d530-4346-86ba-ec57d69bd42b</a>		<a href="#">ESLCG202000982</a>		2020-11-08 21:18	Teesport (GBTEE) United Kingdom		La Coruna (A Coruna) (ESLCG) Spain	2020-11-07 14:50 (ATA)	2020-11-08 15:30 (ATD)
Closed (ATD)			<a href="#">12fbbfd8-d530-4346-86ba-ec57d69bd42b</a>		2020-11-04 09:12	Dunkerque (FRDKK) France	2020-10-29 08:30 (ETD)	Teesport (GBTEE) United Kingdom	2020-10-31 14:08 (ATA)	2020-11-04 09:12 (ATD)
Closed (ATD)			<a href="#">FRDKK2235319711470</a>		2020-10-31 07:38	Karsto (NOKAR) Norway		Dunkerque (FRDKK) France	2020-10-28 13:50 (ATA)	2020-10-29 08:03 (ATD)
Closed (ATD)			<a href="#">1613298</a>		2020-10-25 20:51	Falkeidflæet Ankring (NOZFF) Norway	2020-10-25 06:24 (ETD)	Karsto (NOKAR) Norway	2020-10-25 07:00 (ATA)	2020-10-25 20:00 (ATD)
Dummy	<a href="#">1613277</a>		<a href="#">1611111</a>		2020-11-16 03:00	Antwerpen (BEANR) Belgium	2020-10-25 06:20 (ATD)	Karsto (NOKAR) Norway	2020-10-24 14:10 (ATA)	2020-10-25 04:00 (ETD)
Closed (ATD)			<a href="#">1613277</a>		2020-10-25 09:01	Antwerpen (BEANR) Belgium	2020-10-22 12:00 (ETD)	Falkeidflæet Ankring (NOZFF) Norway	2020-10-24 14:10 (ATA)	2020-10-25 06:20 (ATD)
Closed (ATD)	<a href="#">1606189</a>		<a href="#">V227935-200232107</a>		2020-10-22 13:47	Antwerpen (BEANR) Belgium	2020-10-15 19:00 (ATD)	Antwerpen (BEANR) Belgium	2020-10-20 12:34 (ATA)	2020-10-22 13:45 (ATD)
Closed (ATD)	<a href="#">FRLEH289366</a>		<a href="#">1606189</a>		2020-10-15 19:50	Le Havre (FRLEH) France	2020-10-12 18:43 (ATD)	Karsto (NOKAR) Norway	2020-10-15 05:30 (ATA)	2020-10-15 19:00 (ATD)

**Table:** Number of notifications exchanged in SSN in 2019

Member State	Shipcalls			MRS	Incident Reports	Total
	New	Updates	Cancellations			
Belgium	27,585	307,583	802	783	17	336,770
Bulgaria	3,793	20,866	79	-	5	24,743
Croatia	12,021	33,724	24	7,628	177	53,574
Cyprus	3,547	41,530	101	-	2	45,180
Denmark	24,064	68,609	680	60,113	32	153,498
Estonia	11,971	67,148	152	82,532	3	161,806
Finland	37,475	175,218	75	46,938	136	259,842
France	59,818	304,754	3,506	138,913	510	507,501
Germany	59,939	258,664	763	-	29	319,395
Greece	83,312	174,408	2,294	-	200	260,214
Iceland	3,351	6,682	254	1,237	-	11,524
Ireland	13,639	53,316	116	-	15	67,086
Italy	76,293	448,710	2,134	22,816	750	550,703
Latvia	7,405	48,184	90	-	10	55,689
Lithuania	5,230	52,348	154	-	26	57,758
Malta	11,613	85,547	721	-	21	97,902
Montenegro	1,081	2,159	20	-	-	3,260
Netherlands	50,646	724,922	2,233	-	235	778,036
Norway	164,504	884,912	8,484	783	29	1,058,712
Poland	17,027	162,500	1,226	21,424	8	202,185
Portugal	13,384	73,291	862	77,004	15	164,556
Romania	5,342	31,446	186	-	6	36,980
Slovenia	1,796	10,535	77	1,868	12	14,288
Spain	178,880	1,148,137	16,811	96,023	16	1,439,867
Sweden	52,063	358,751	2,476	-	104	413,394
United Kingdom	109,513	454,795	9,458	184	104	574,054
<b>Total</b>	<b>1,035,292</b>	<b>5,998,739</b>	<b>53,778</b>	<b>558,246</b>	<b>2,462</b>	<b>7,648,517</b>

## LOCODEs used in SSN:

- 20 million times in a year (2019)
- 1.66 million times in a month
- 55 thousand times in a day



### **Main issues reported by EMSA users on UN/LOCODE list:**

- Missing or inaccurate geographical position;
- Incorrectly assigned function;
- Duplicated locations;
- No web service for receiving data from UN/LOCODE list.

### Article 15 of the EMSWe Regulation (EU) 2019/1239 foresees that:

1. The Commission shall establish a common location database that contains a reference list of location codes ('United Nations Code for Trade and Transport Locations') and port facility codes, as registered in the IMO database GISIS.
2. The Commission shall ensure the availability of the location database to the maritime National Single Windows in order to facilitate ship reporting.
3. Member States shall make information from the location database available at national level through the maritime National Single Window.
4. The Commission shall adopt implementing acts laying down the technical specifications, standards and procedures for the setting up of the common location database referred to in paragraph 1 with respect to collecting, storing, updating and provision of the location and port facility codes. Those implementing acts shall be adopted in accordance with the advisory procedure referred to in Article 24(2).

**This Regulation shall apply from 15 August 2025.**



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