

# IMS Cloud solutions (HP IMS)

## IMS UCM#17

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**Perimeter:** HP- IMS (cloud based solution) includes the following a test and prod environment for:

- **Raw AIS Archive;**
  - AIS data ( T and S) store are sent by the data provider
- **Long Term Storage**
  - AIS, VMS and LRIT information
  - Positions associated to the Ship ID from Star Tracking OVR
- **H-ABM including Port Calls detection**
  - Historical ABMs
  - Detected port call: combining ports areas and ship positions in a detection algorithm to detect potential port call

Solution under tests for SEG to use LTS and Standard IMS STAR Tracking. The conditions under test are:

- VTQ: queries for which start date > 2.5 years in the past OR query duration is > 90 days go to LTS.
- ACQ: queries for which start date > 2.5 years in the past OR query duration is > 2 days OR area > 50,000km<sup>2</sup> /14,400 nm<sup>2</sup> go to LTS.
- The rest of the services provided by STK.

## Developments envisaged (but not yet confirmed):

1. MRS positions
2. AIS CLASS A Ship static and voyage related data (Message 5) and queries
3. Etc..

## Status:

- 7 different H-ABMs algorithm developed (in the cloud) and available
- Pre-operational – used by power users (+300 H-ABMs launched).
- Requires EMSA support for configuration.
- Results in PDF/JSON/CSV are sent to the users. There is no visualisation in EMSA graphical interfaces yet.
- Detected Port calls require monitoring of the quality of worldwide port areas

**The service is in pre-operational stage and can be used via s2s or with EMSA support.**

## Details:

<b>Event Number</b> 2 of 16	<b>ID</b> 000000000337_00002_00000_1633016593
<b>Source</b> T-AIS	<b>Status</b> IN
<b>Start Time</b> 2020-11-07 08:17:10 GMT	<b>End Time</b> 2020-11-07 08:17:10 GMT

## Vessels:

### Overview:

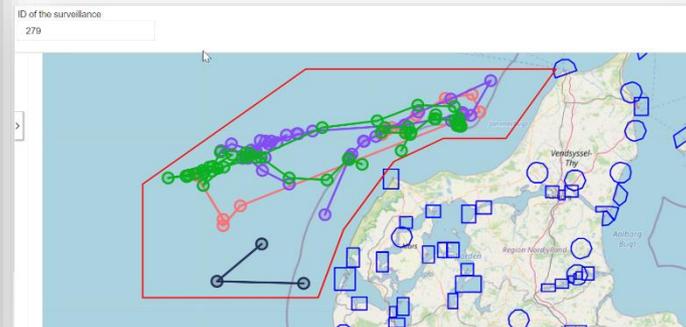
<b>Main Vessel</b> Yes	<b>Navigation Status</b> 0	
<b>IMO</b> 9240976	<b>MMSI</b> 215188000	<b>IR</b> N.A.
<b>Type</b> 355	<b>Breadth</b> 25	<b>Length</b> 158
<b>Name</b> NEPTUNE DYNAMIS	<b>Flag State</b> MT	<b>Call Sign</b> 9HFR7

### Last Port Call:

<b>Port:</b> GBAVO	<b>Arrival Time:</b> 2020-11-05 18:41:10 GMT	<b>Departure Time:</b> 2020-11-06 11:26:42 GMT
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### Location ([Google Maps](#)):

Timestamp	Latitude	Longitude	Heading	Speed
2020-11-07 08:17:10 GMT	52.13953	-6.3209815	45	15.8



## Next steps:

- to integrate with SEG as soon as possible

### SEG ver. 2.XX (TBC)

- ABM admins will be able to configure limited number of H-ABM algorithms per day
- All users will be able to see results of the H-ABMs - Port Call detection



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