Use cases scenario for radar data exchange – potential use of IVEF to support it

IMS UCM 17.6

Lukasz Bibik

Senior Project Officer
Maritime Digital Services
Digital Services and Simplification

Lisbon, 21.10.2021

EMSA

Agenda

- **Use cases**

- **Specific functional aspects**

IMS Group 17th User Consultation Meeting (UCM) 21.10.2021, EMSA, Lisbon (on-line)

Use cases

- **Provide complete maritime picture- include vessels with no AIS, VMS or LRIT**

- **Provide information on vessels with not-operational transponders – context of SAR or Security events**

- **Provide information on detected, non-cooperative targets**

- **Improve ABM algorithms by using another sensor, e.g. for more accurate detection of non-cooperative targets or at sea encounters, IUU, illegal transhipments**

IMS Group 17th User Consultation Meeting (UCM) 21.10.2021, EMSA, Lisbon (on-line)

Specific aspects

- Identified, tracked ships

- Some identifiers can be different than IMO, MMSI

- Provision of the Radar – geo-located position and identification information

- Using specific protocol/ standard/format e.g. IVEF or various formats

- Near-Real time provision

- How often refreshed – every 30 sec? Every 1 minute?

- To be integrated on the track of an identified ship (as another sensor, similar to MRS)

- There is no correlation/fusion process expected – i.e. to identify an unidentified ship using data available at EMSA

- **What are the access rights ?**

IMS Group 17th User Consultation Meeting (UCM) 21.10.2021, EMSA, Lisbon (on-line)

Integrated Maritime Services
Showing the bigger picture

emsa.europa.eu

twitter.com/emsa
facebook.com/emsa

EMSA
European Maritime Safety Agency