

IRD phase 3 – Progress report and discussion on operational tests

Facilitation of ship to shore reporting pilot project –
5th meeting

David Niinepuu / Project Officer
Department C: Digital Services &
Simplification

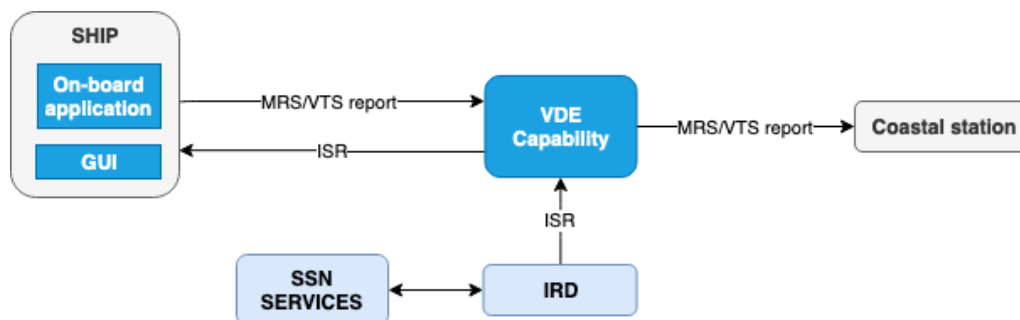
Videoconference, 08 April 2021



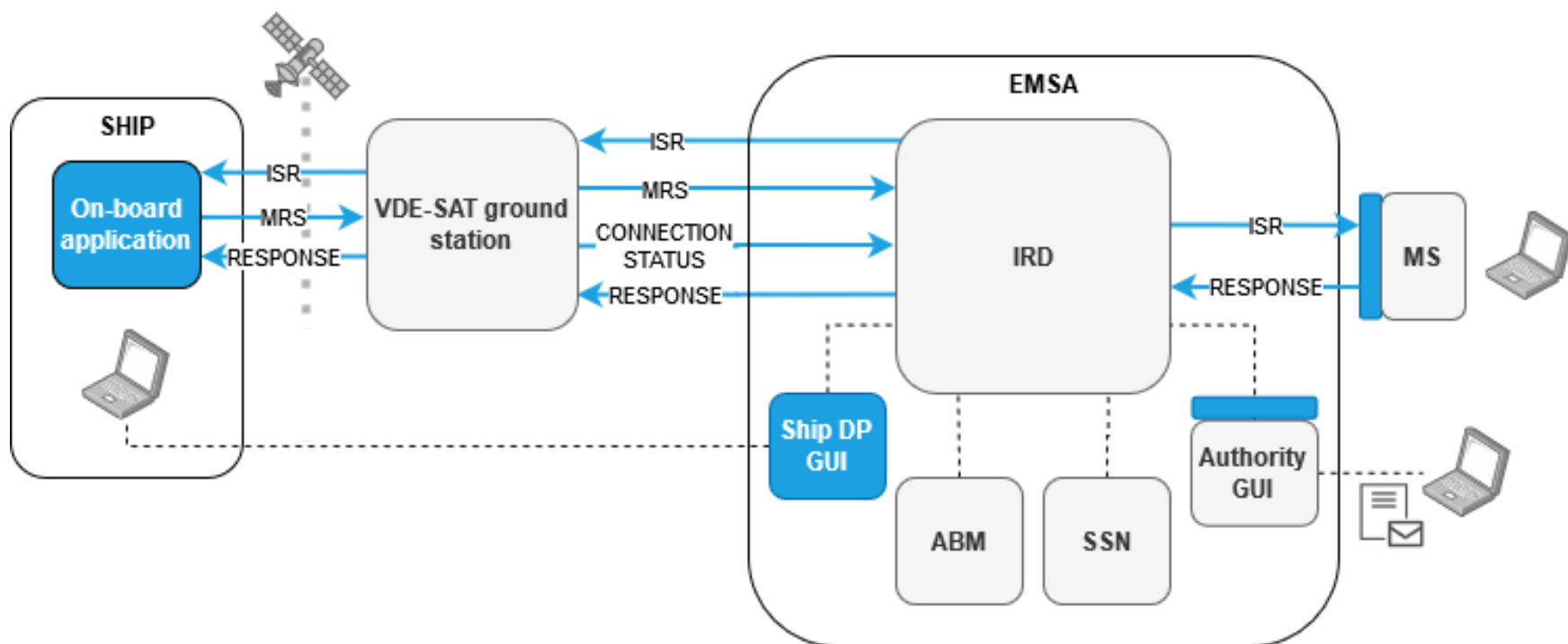
Funded by the
European Union –
European Maritime
and Fisheries Fund



- VDE-C pilot project
 - Purpose: to test VDE-SAT technology for ship-shore communication
 - VASP (VDE-SAT Application and Services Platform): cooperation with European Space Agency (ESA) and Space Norway (SPN)
 - Demonstration: 2nd semester 2021
- Use-case: VTS/MRS reporting:
 - By using on-board application and transmission via VDE-SAT
 - By using EMSA GUI via Internet



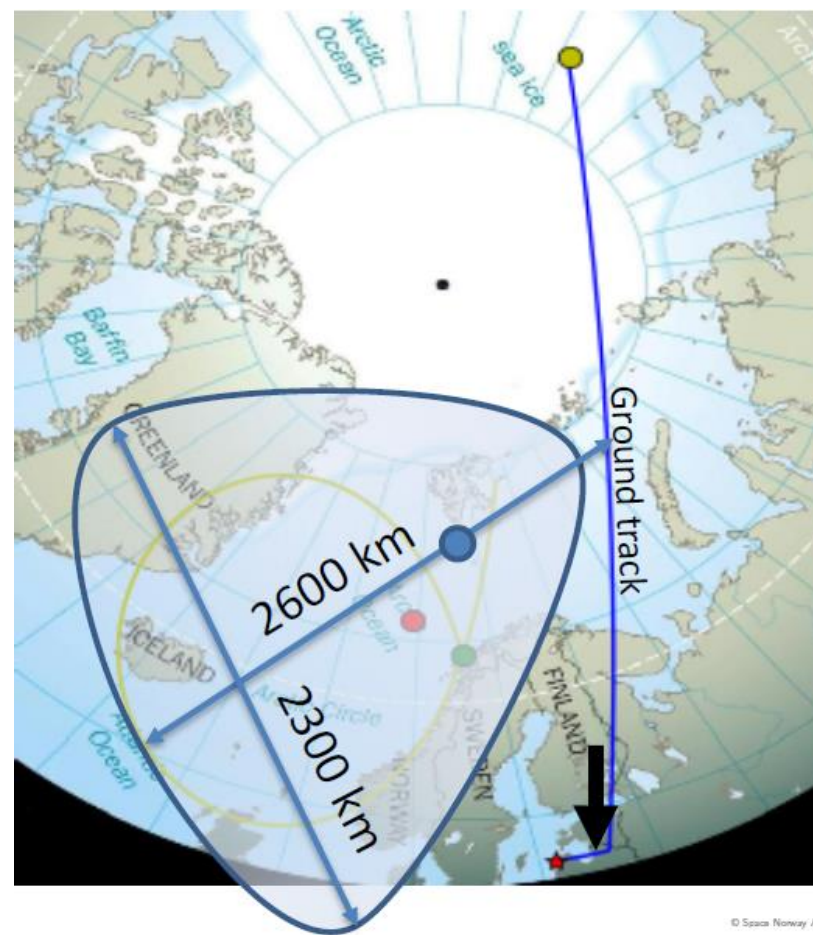
VDE-C: System concept



1. Ship on-board application
2. GUI for ship data providers
3. Interface with VDE-SAT ground station
 - a) Request for ISR
 - b) Request for connection details
4. Changes to the ISR content
 - a) Inclusion of VTS/MRS report content
5. Response message from authorities
6. Changes to the existing GUIs

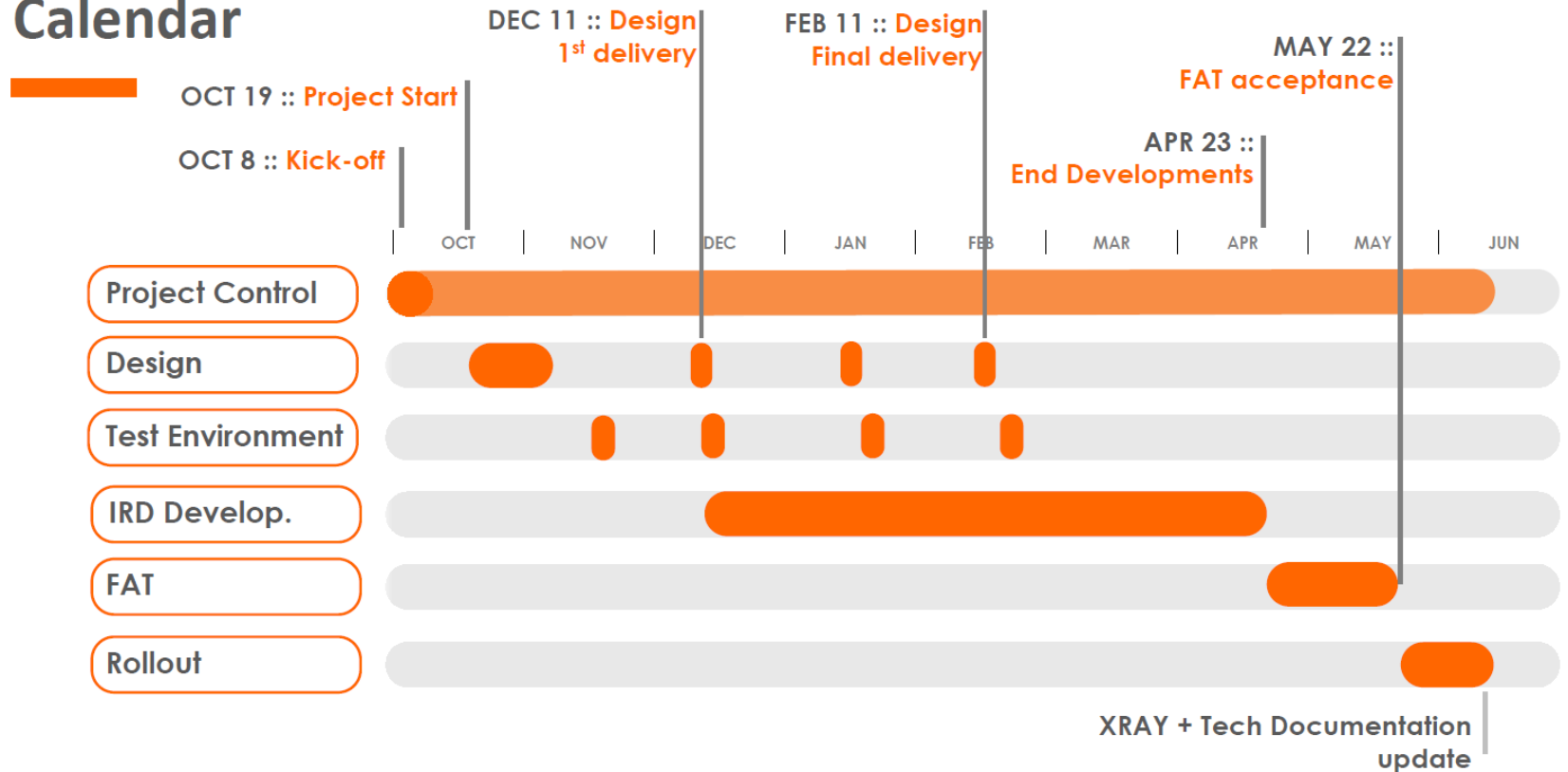
- No specific hardware/software needed
- Done via WEB browser and Internet
- Ships will be provided user access and credentials
- Reporting via [spreadsheet template](#) supported
- No limitation in terms of ships and geographical area

- Restricted geographical area
- One satellite
- Limited number of ships involved with on-board equipment (maximum 5)
 - VDES 300 transceiver, laptop + 4G modem, cabling, antennas - provided and installed by SPN
 - Detailed information: [Annex 1](#)
- Free of charge for participating ships



Planning for phase 3

Calendar



Schedule	Task
Jan 2020 – May 2021	Development of IRD and OBA
Apr - May 2021	Testing period of OBA. Integration testing with Space Norway.
Jun - Jul 2021	Testing period of IRD v.3. Integration testing with Space Norway.
Jun 2021	Implementation of system in Production
Jun - Sep 2021	Operational testing

- Member States are invited to take note of the above information and to provide their feedback.
- Member States willing to participate in the testing are invited to express their interest and to identify the ships which could participate in the tests.



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European Maritime Safety Agency