



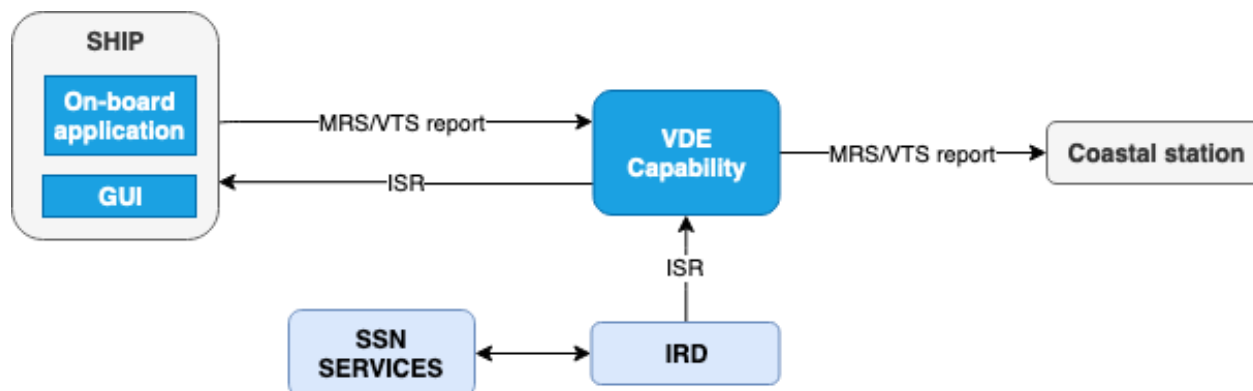
# **Ships to shore MRS/VTs reporting by electronic means – progress report**

Facilitation of ship to shore reporting pilot project –  
4<sup>th</sup> meeting

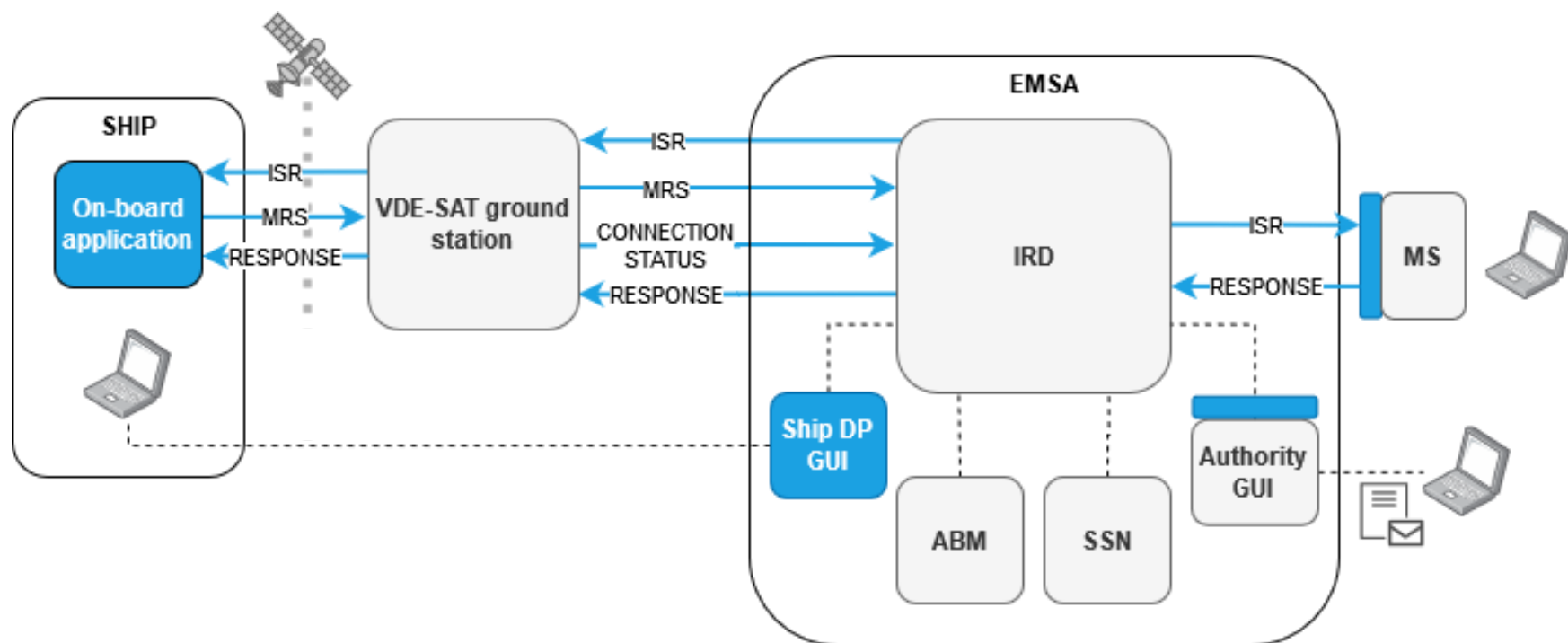
David Niinepuu / Project Officer  
Department C: Digital Services &  
Simplification

Videoconference, 10 December 2020

- VDE-C pilot project
  - Purpose: to test VDE-SAT technology for ship-shore communication
- WRC-19: spectrum approved:
  - VHF Maritime Mobile band (156.025 – 162.025 MHz)
- 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 (TBD)
4. Changes to the ISR content
  - a) Inclusion of VTS/MRS report content
5. Response message from authorities
6. Changes to the existing GUIs

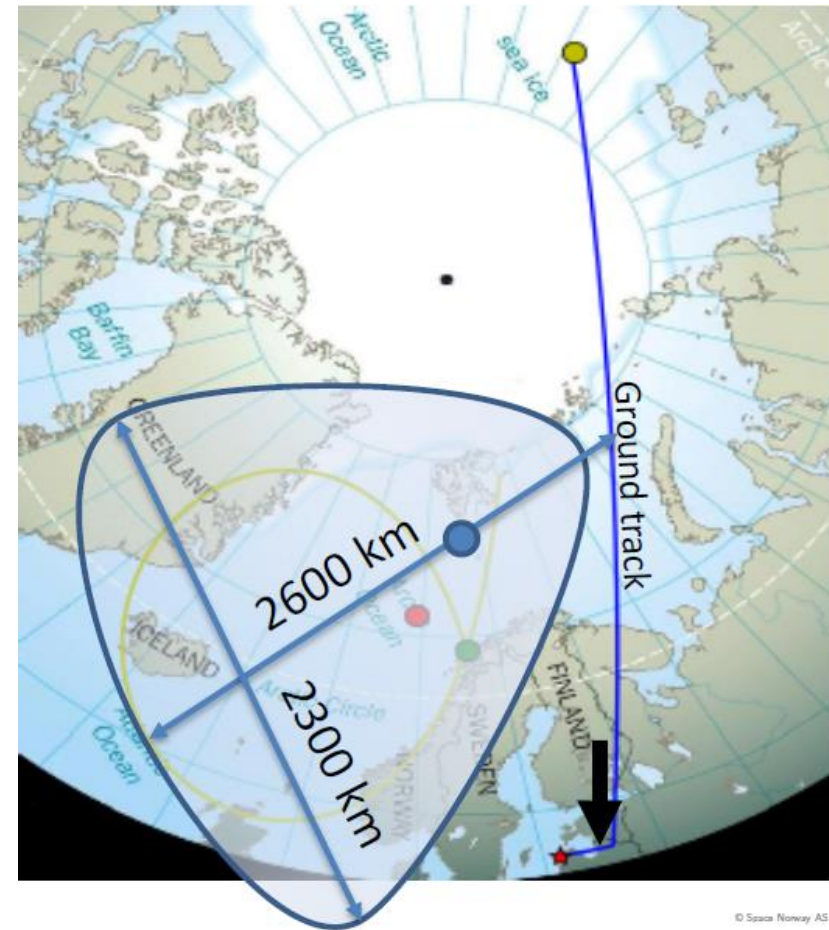
Schedule	Task
March – Jun 2020	Drafting the requirements for VDE-C
September 2020	Signature of the contract for IRD v.3
Oct - Nov 2020	Design phase with Space Norway
December 2020	Signature of the contract for OBA
Dec 2020 – Apr 2021	Development of IRD and OBA
Jan - Apr 2021	Testing period of OBA. Integration testing with Space Norway.
Mar - Apr 2021	Testing period of IRD v.3. Integration testing with Space Norway.
April 2021	Implementation of system in Production
May - July 2021	VDES testing

## VDE-SAT testing

- Limited number of ships involved with on-board equipment (maximum 5)
- Restricted geographical area
- One satellite

## GUI

- No limitation in terms of ships or area
- Internet connection needed







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