



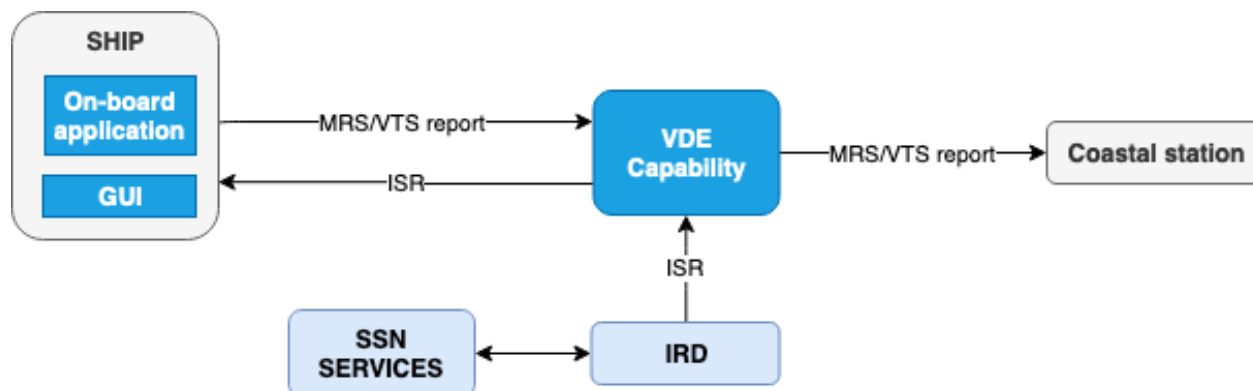
Ships to shore MRS/VTs reporting by electronic means – progress report

Facilitation of ship to shore reporting pilot project –
3rd meeting

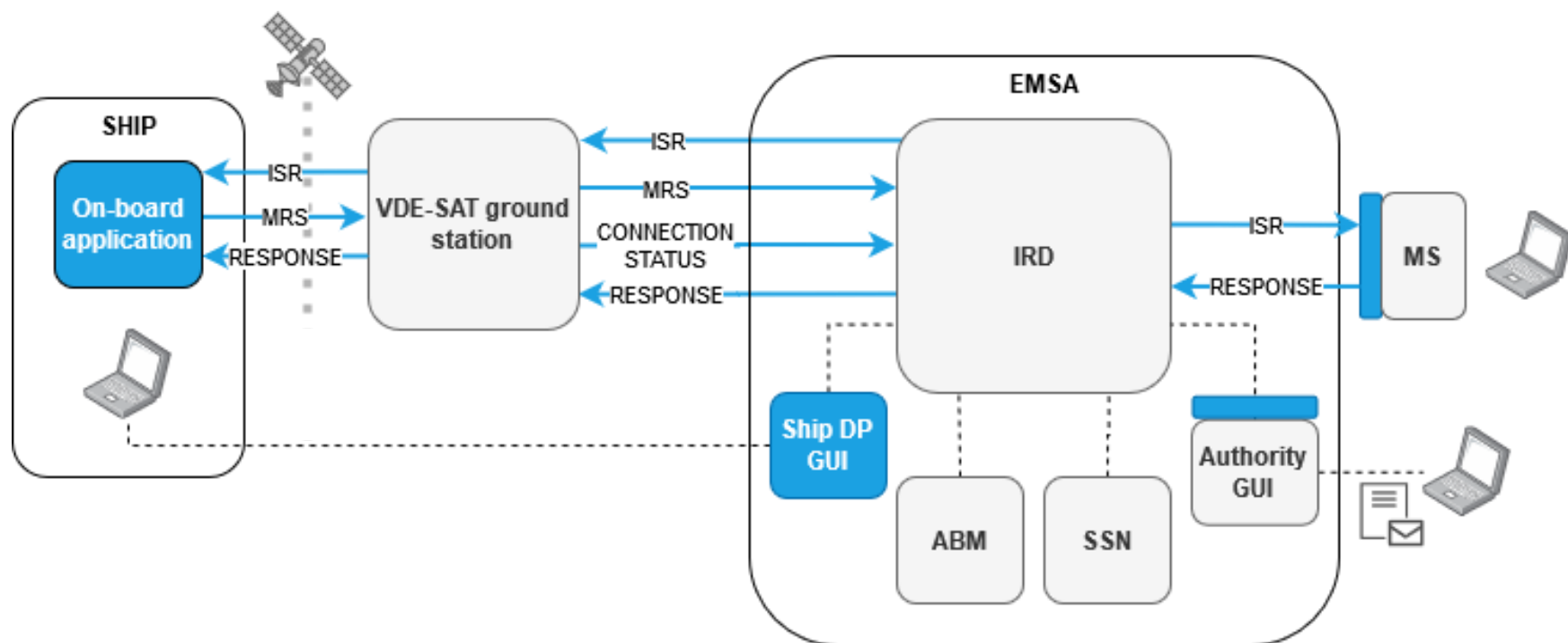
David Niinepuu / Project Officer
Department C: Digital Services &
Simplification

Videoconference, 23 June 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 – May 2020	Drafting the requirements for VDE-C
July 2020	Signature of the contract.
June - August 2020	Design phase with Space Norway
September 2020 – January 2021	Development
Jan - Feb 2021	Testing period of IRD ver. 3. Integration testing with Space Norway.
March 2021	Implementation of system in Production
April - July 2021	VDES testing

VDE-SAT testing

- Limited number of ships involved with on-board equipment
- Restricted geographical area
- One satellite

GUI

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



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