

IRD phase 3 – VDE-SAT OBA – progress report

Facilitation of ship to shore reporting pilot project – 6th meeting

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Background

- Purpose: to test VDE-SAT technology for ship-shore communication
- VDE-SAT Application and Services Platform (VASP): demonstration project run with European Space Agency (ESA), Space Norway (SPN), Norwegian Coastal Administration (NCA), Kongsberg Seatex AS (KSX) and EMSA.



Current status

- Contract signed in May 2021 with Kongsberg Seatex AS (KSX)
- Main functionalities:
 - GUI – to submit MRS/VTs reports and consult responses from authorities
 - Backend services – to organise message exchange
- Functional design of GUI will be aligned with IRD v.3
- Specific hardware: KSX VDES-300 terminal, VHF and GNSS antennas, laptop with 4G modem
- Foreseen testing area: Norwegian waters, Svalbard (BAREP reporting system)
- Participating ships: 8 Norwegian vessels involved in the VASP project

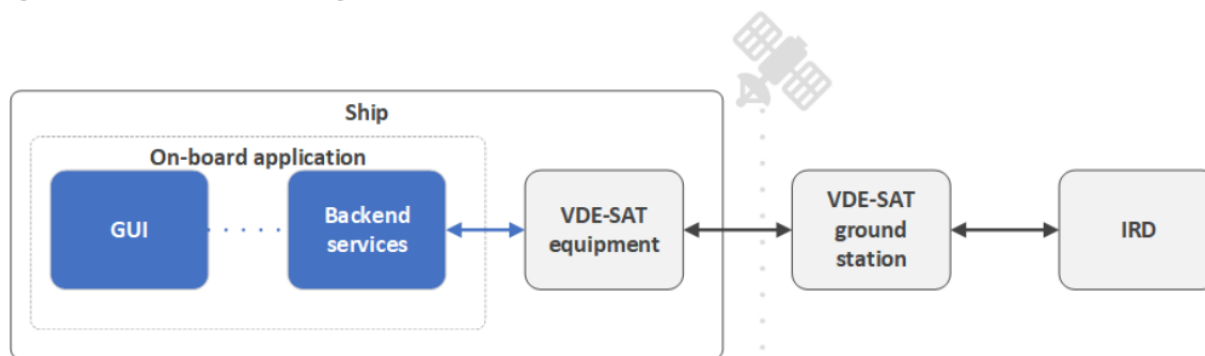


Figure 1: Concept of the On-Board Application

Project Roadmap



May 2021	Contract signature, project kick-off
May 2021 – July 2021	Development of OBA
July 2021	Factory acceptance test (FAT): end-to-end testing between KSX development environment and IRD
August 2021	Site acceptance test (FAT): application is tested onboard first participating vessels
September 2021 – January 2022	Operational testing, maintenance

Actions required



Member States are invited to:

- note information provided;
- provide feedback.