

Meeting Agenda PPS3

1. Welcome
2. Equipment purchase update
3. DTMS concept discussion
4. What's next ?

Equipment purchase update

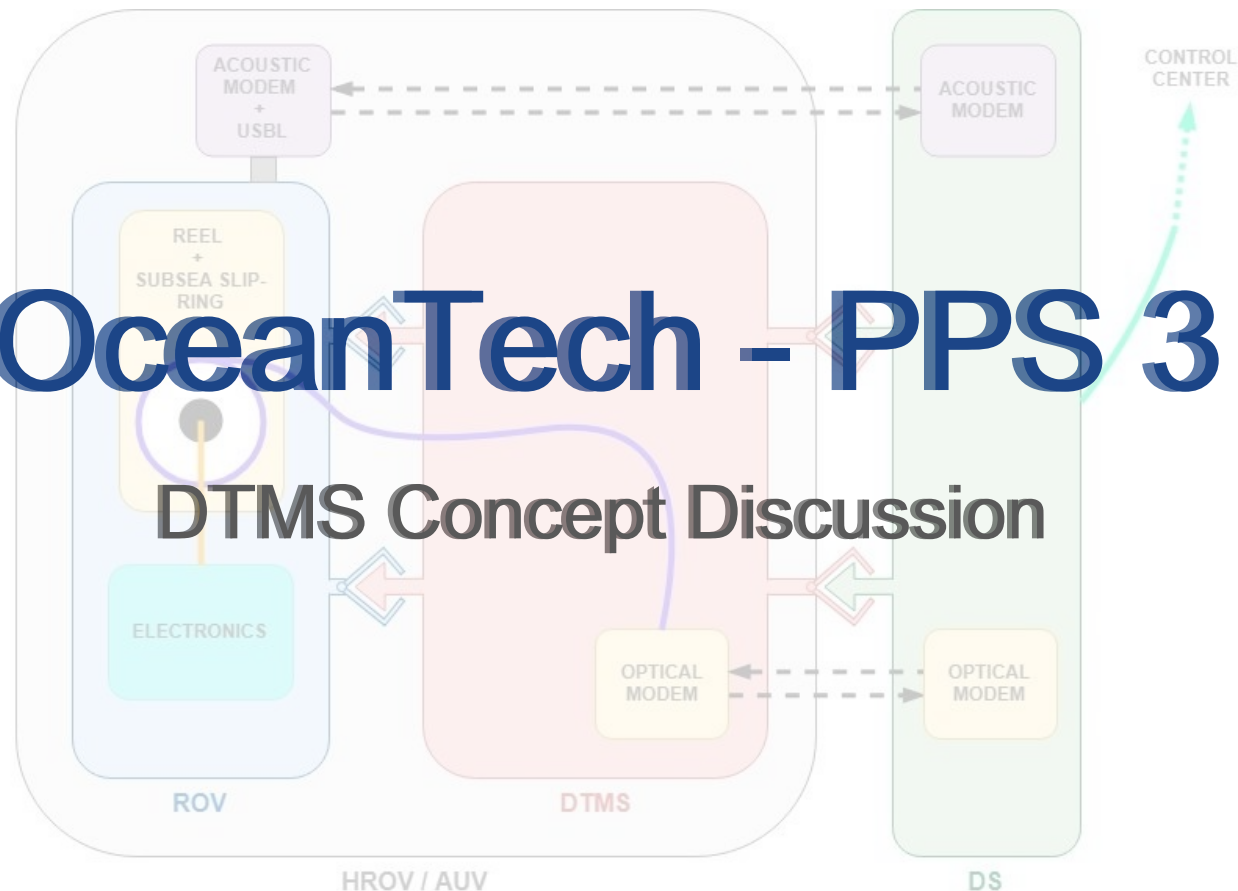
1. DVL - News from Nortek ?
2. Thrusters - News from Tecnadyne ?
3. ...



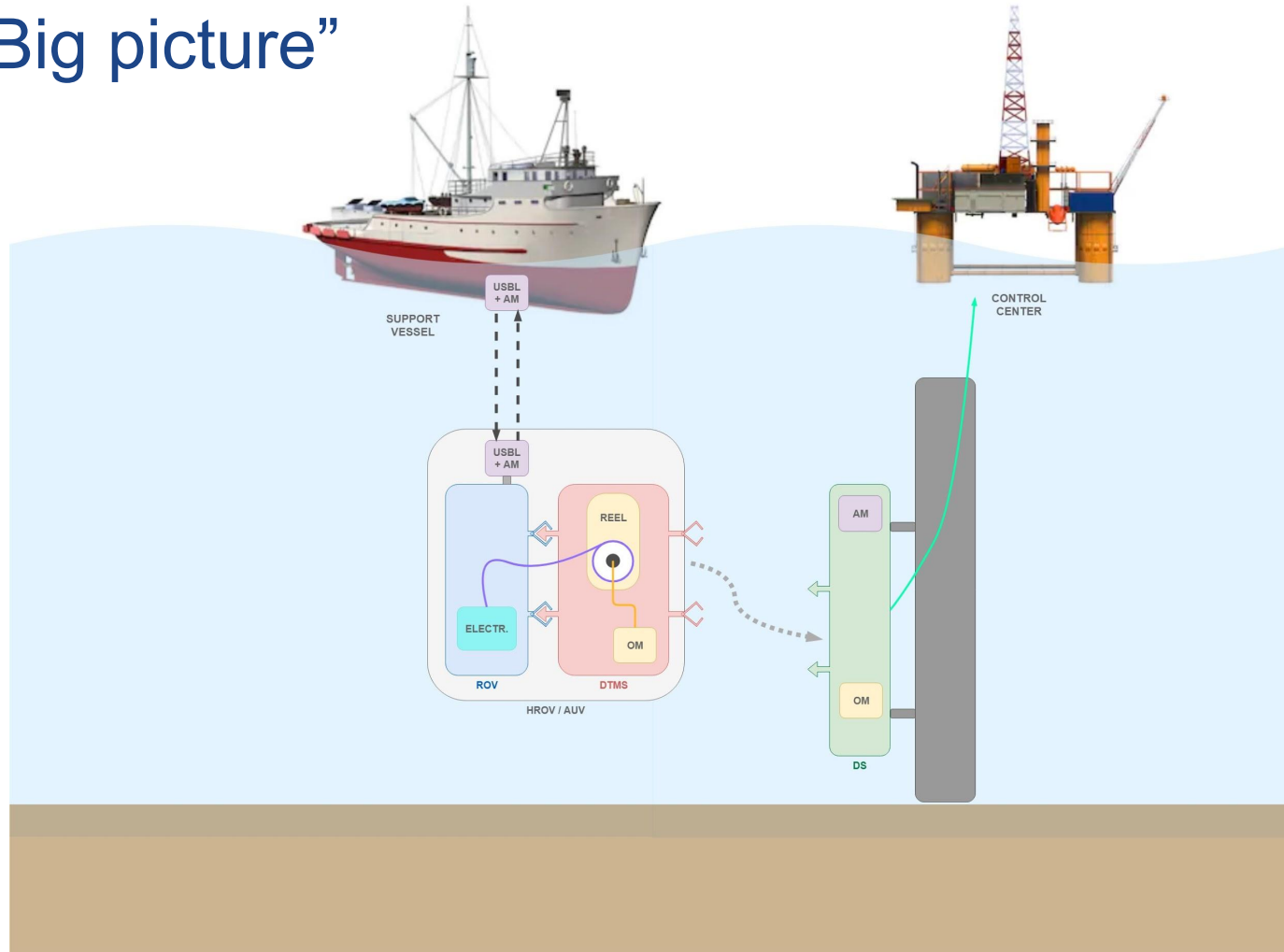
ocean**tech**

OceanTech - PPS 3

DTMS Concept Discussion



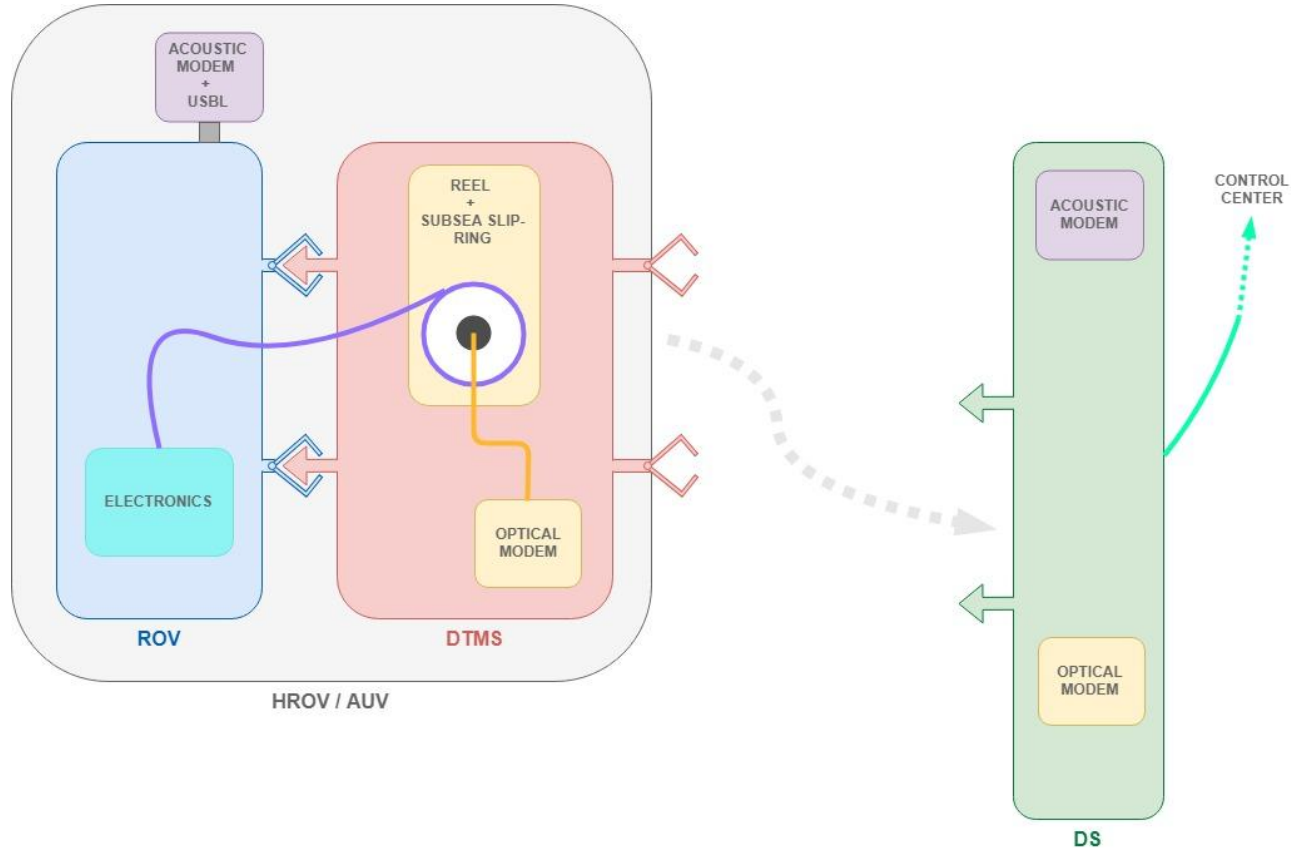
“Big picture”



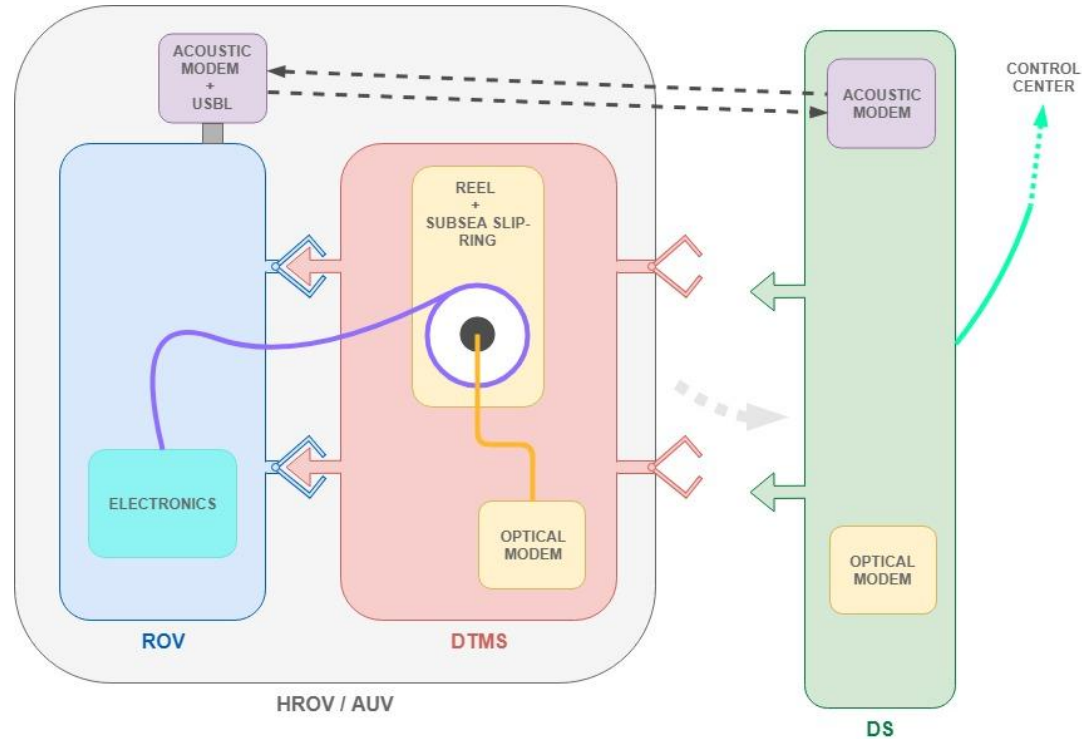
Acronyms

- **DTMS** Docking and Tether Management System
- **DS** Docking Station
- **AM** Acoustic Modem
- **OM** Optical Modem

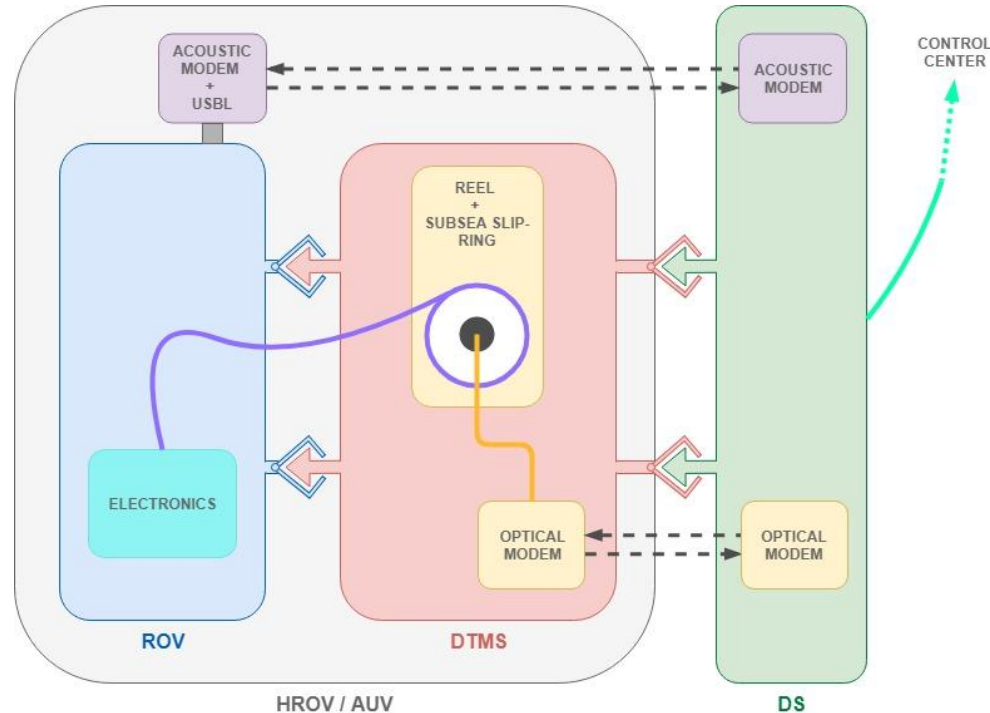
Phase 1: AUV mode, approach



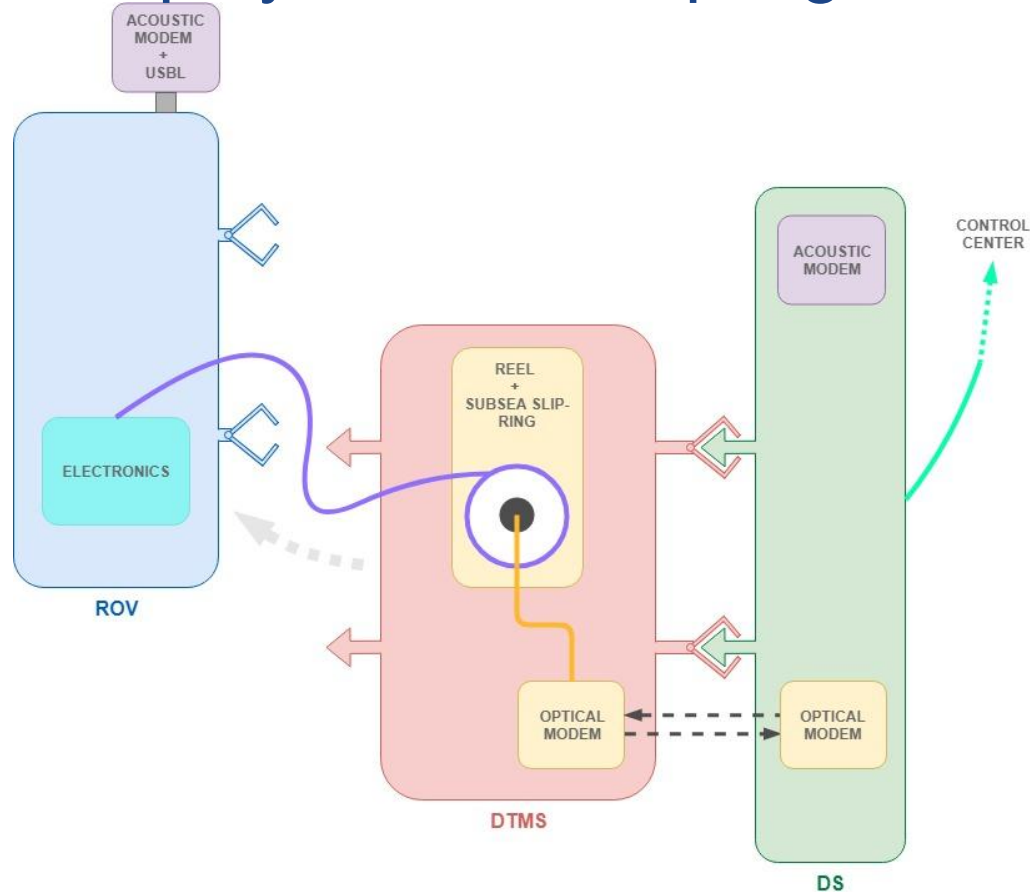
Phase 2: Docking



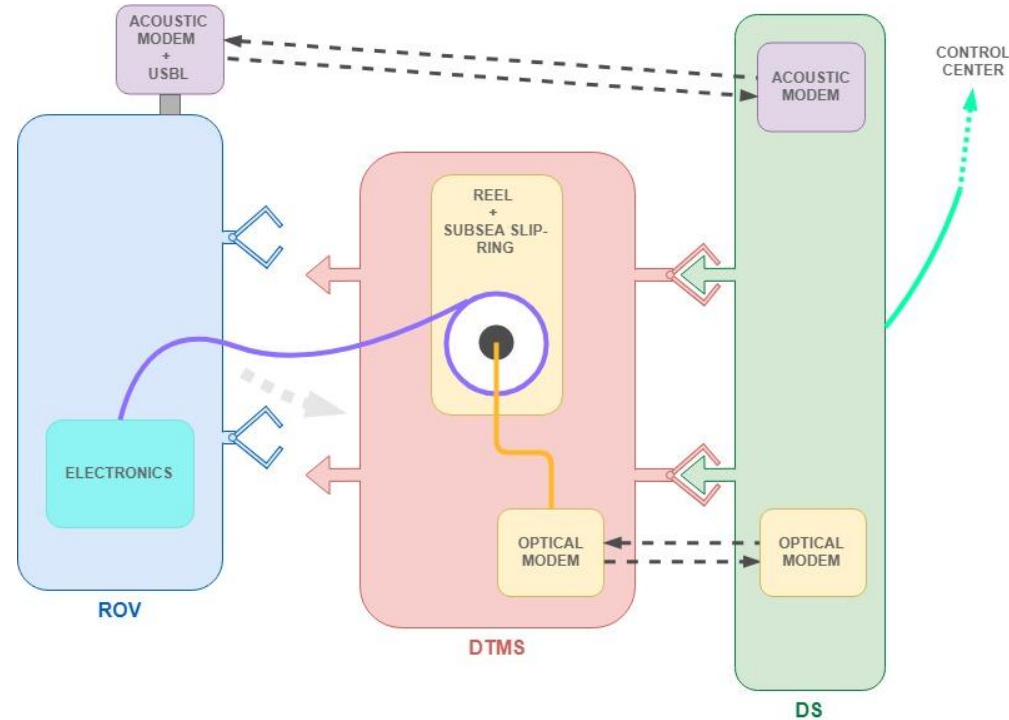
Phase 3: Coupling & optical communication



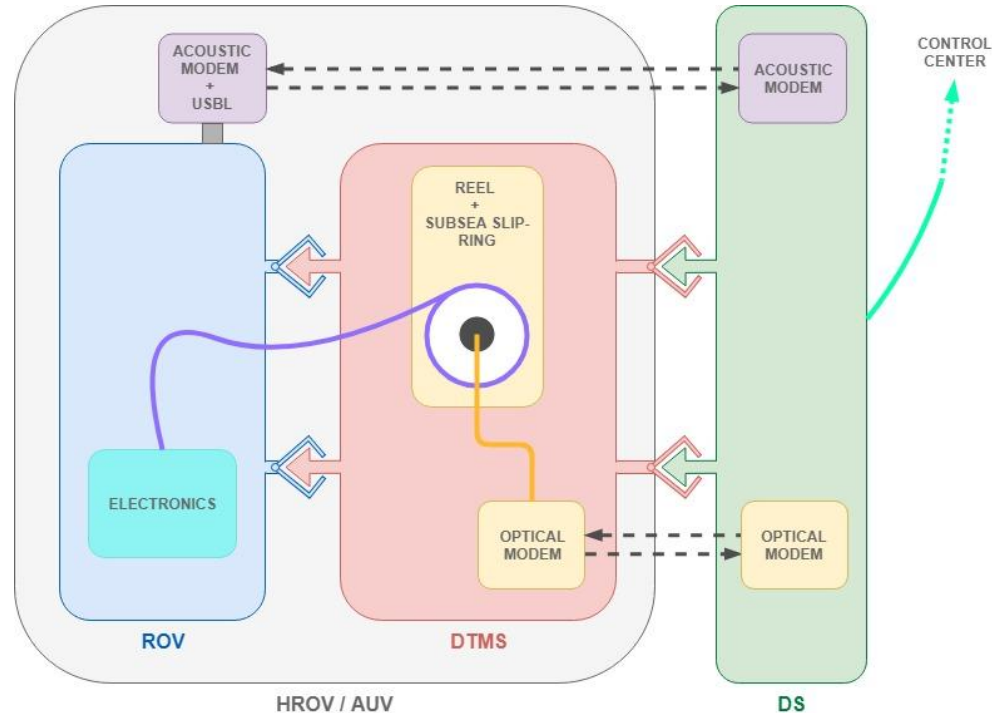
Phase 4: ROV deployment/decoupling



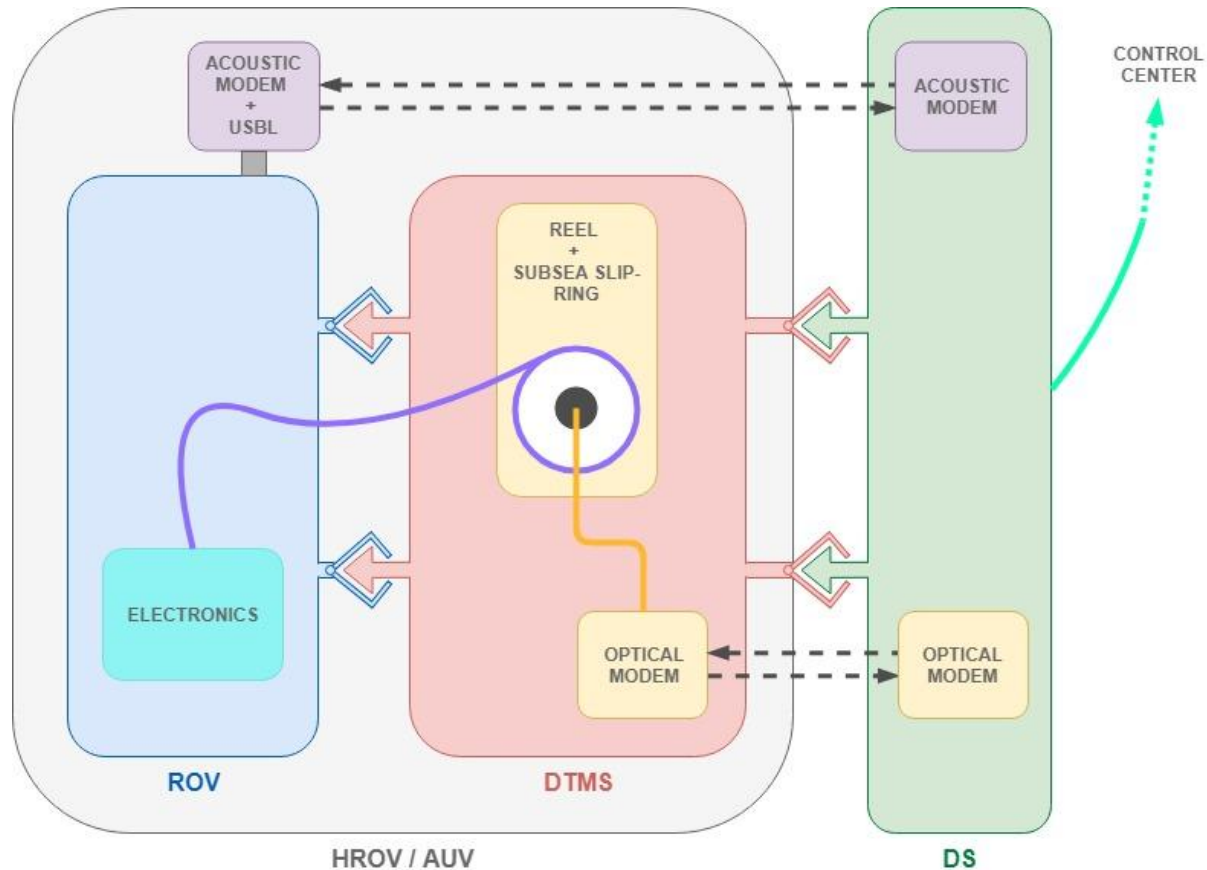
Phase 5: ROV docking



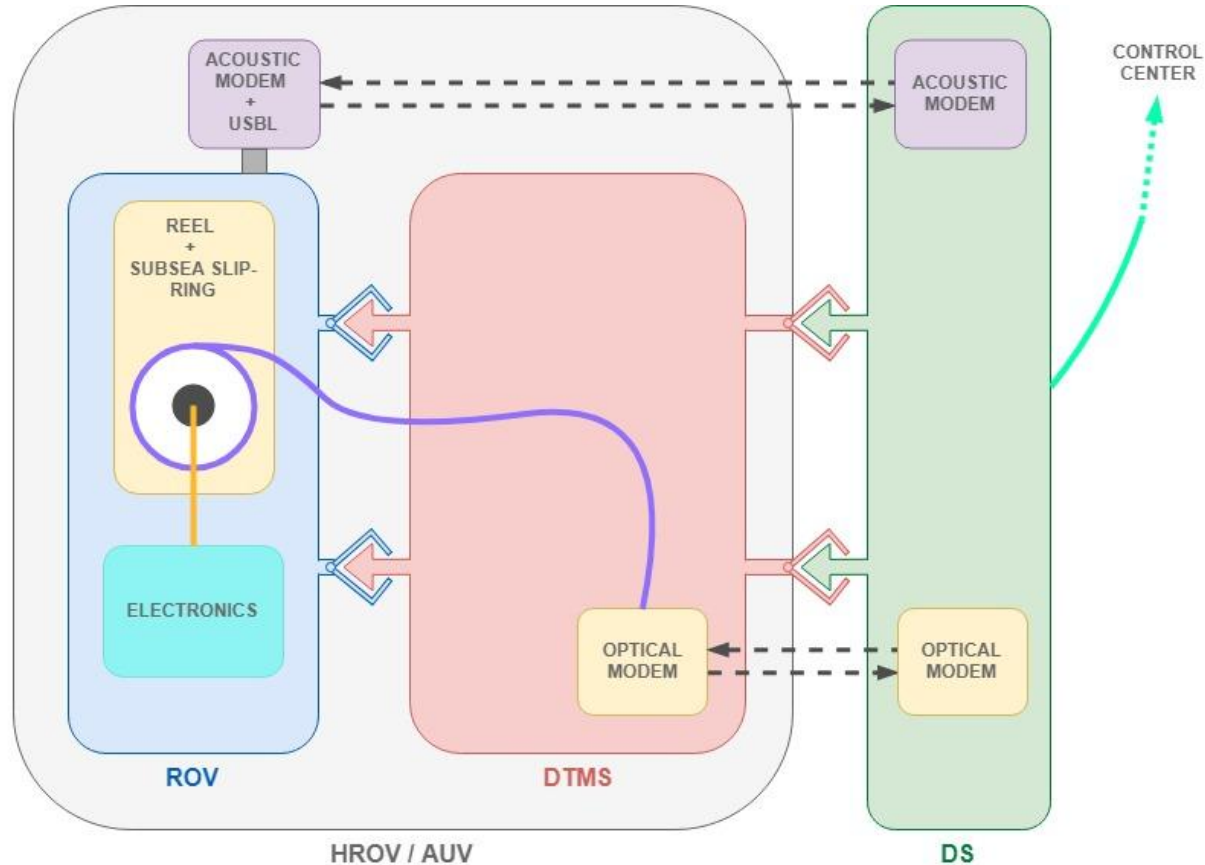
Phase 6: Back to fixed position



Solution A: reel in DTMS



Solution B: reel in ROV



What's next for PPS3 ?



- Fix next meeting date and purpose
- Will the DS design include the latch design ?
- CEiiA presents ongoing work on vehicle arrangement
- Items to be discussed:
 - Space for dry equipment inside the pressure vessel(s)
 - Thrusters arrangement
 - Latches
 - Reel + subsea slip-ring
 - Powering
 - USBL (model and position in vehicle)
 - Body shape (number of bodies)
 - Interfaces to other PPSs (LARS, DS, AM, OM)
- Bring examples and proposals for next meeting