

Maritime Administration (MARAD)



**SOCP Meeting
MITAGS
July 18, 2017**



Environment

Security

Safety

Office of Safety, MAR-430



Commercial Autonomous Vessel Initiatives



YARA and KONGSBERG enter into partnership to build world's first autonomous and zero emissions ship



Autonomous and 100% electric, 'YARA Birkeland' will be the world's most advanced container feeder ship.



DOD Autonomous Vessel Initiatives



Autonomous Sub Hunter



Autonomous Submarine



Autonomous Swarming Vessels



Weather & Autonomous Vessel Operations

- Weather Considerations
 - Vessel observations for NWS
 - Current operational conditions
 - Route plan adjustments
 - Course adjustments for safety



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