



Global Maritime EOD: 'Where we are and where we're going'

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CO Fleet Diving Squadron
Royal Navy**



Scope:

- RN Fleet Diving Squadron
- UK Minewarfare Laydown
- Maritime EOD 'where we are':
 - . Conventional Threats
 - . State Actors
 - . Technology
- Maritime EOD 'where we're going':
 - . Unconventional Threats
 - . Non-State Actors
 - . Threat evolution / migration
- . So What?
- . Multi-National Exercising:
 - Ex NORTHERN CHALLENGE
- . Questions





The Royal Navy's Fleet Diving Squadron





Northern & Southern Diving Groups

UK Homeland Resilience / Support to Ships & Submarines

- Military Aid to Civil Authority EOD
- Maritime and Land EOD
- CMD Tasks – 500+ per year
- IED Disposal – 30+ per year
- Diving Minutes – 30,000+ per year



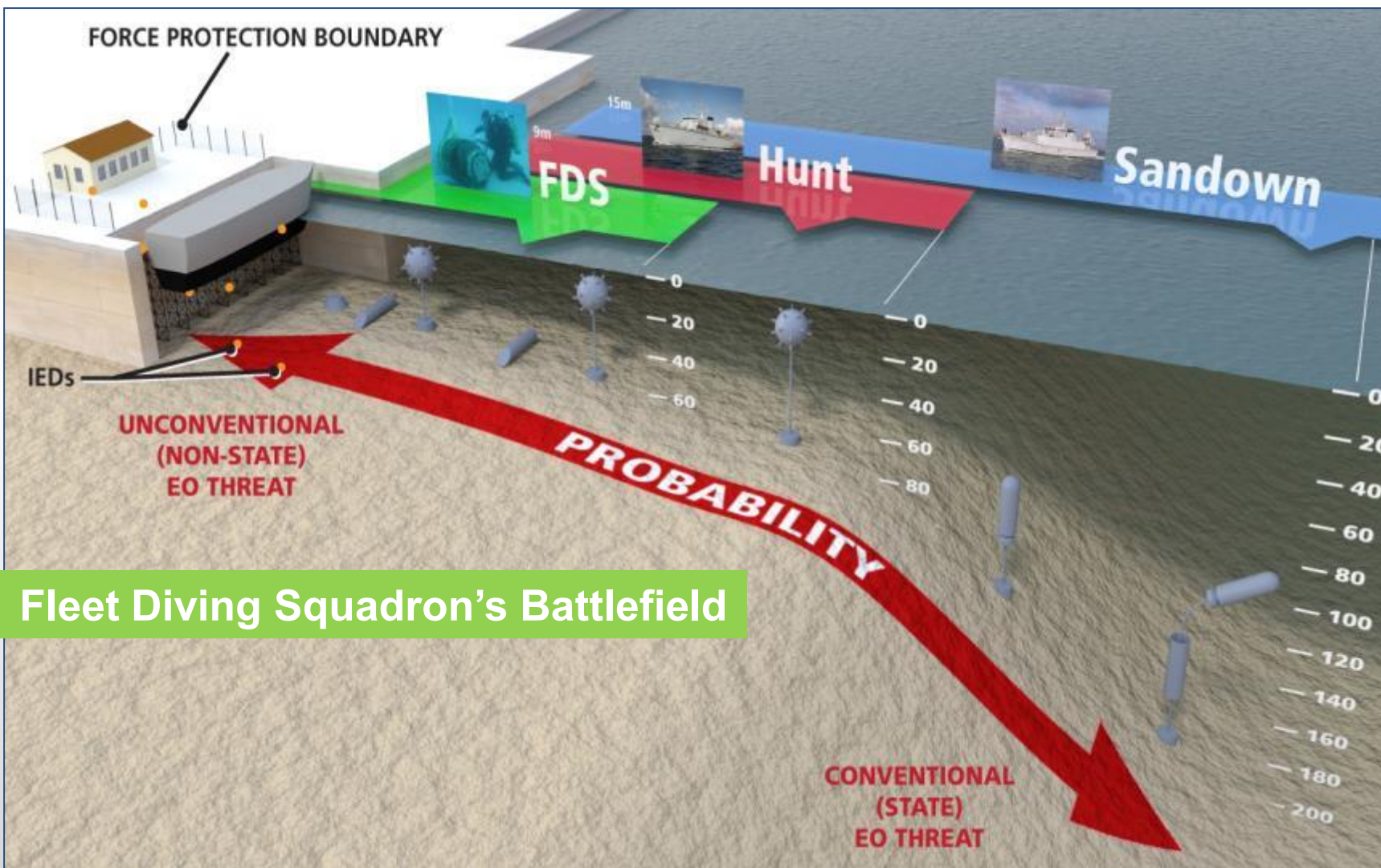


Fleet Diving Group Expeditionary MCM

- Maritime Counter-Terrorism
- Very Shallow Water (VSW) MCM
- Mine Investigation & Exploitation
- Global Maritime IED Disposal



UK Mine Warfare Laydown

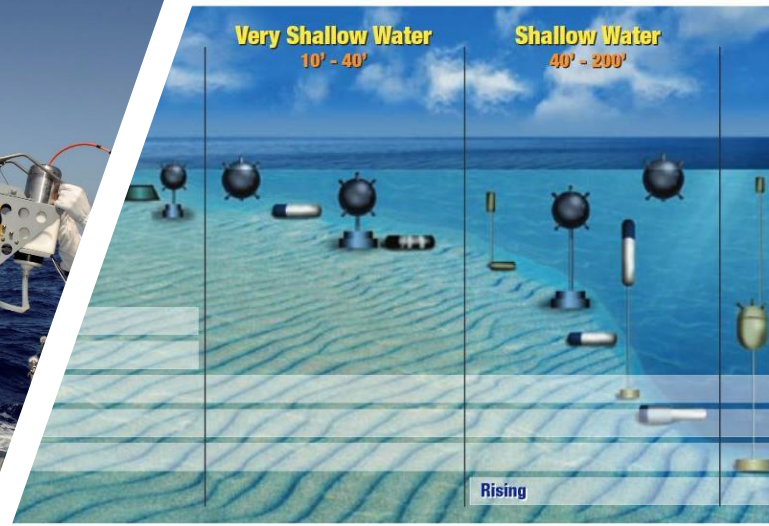
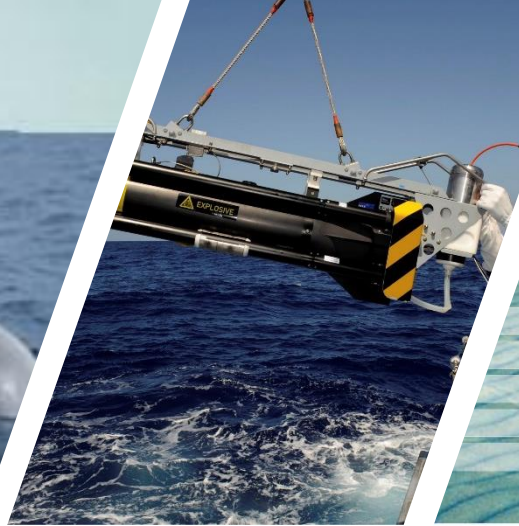


Fleet Diving Squadron's Battlefield



Global Maritime EOD: 'Where we are...





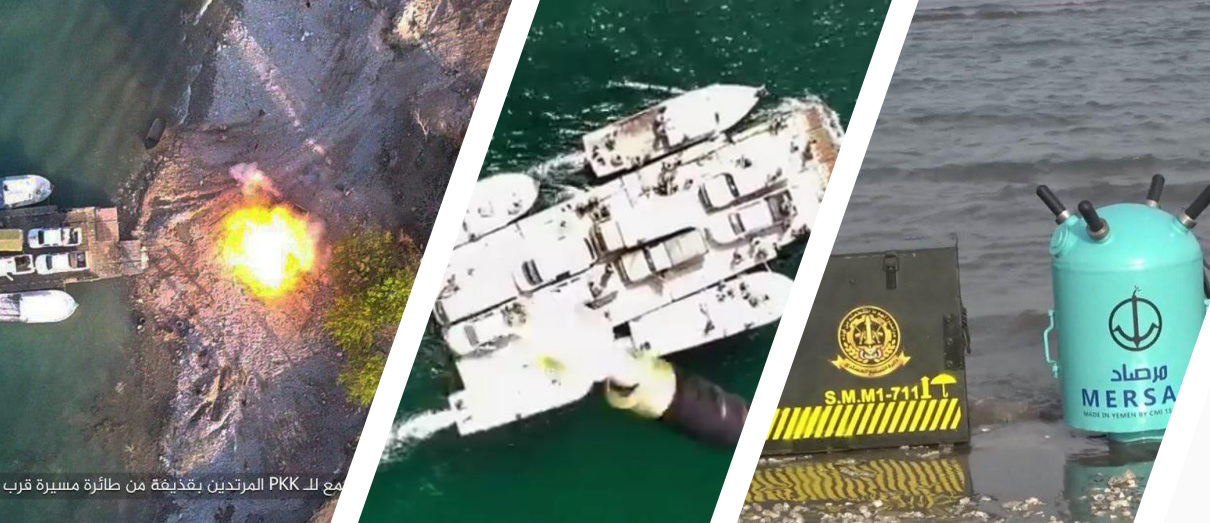
Where we are...

- Conventional Threats
- State Actors
- Advanced Sonar Systems
- Maritime Autonomous Systems
- **Mine Warfare?**



Global Maritime EOD: Where we're going...



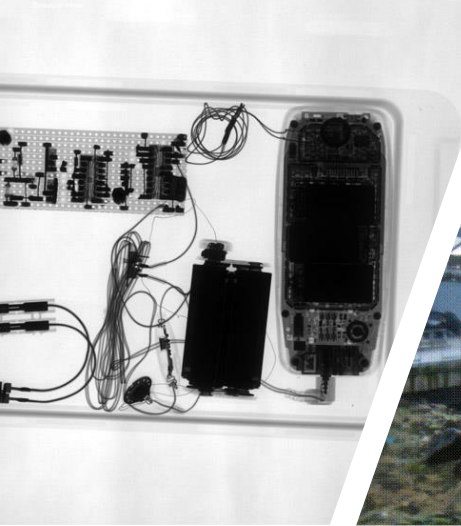


Where we're going...

- Un-Conventional Threats
 - IED vs Mil-Grade (Mersad)
- State & Non-State Actors
- Hybrid Warfare 'Little Blue Sailors'
- Remote Technology (UAS, WBIED)
- Migration threat from Land?



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So What?

- Land vs Maritime Operator
- Remote Technology
- Protective Equipment
- Through Barrier Detection
- The enemy gets a vote!



Exercise NORTHERN CHALLENGE

Multi-National Maritime IED Disposal Exercise

**Lt Cdr Sean Heaton RN
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Ex NORTHERN CHALLENGE

NATO IED Disposal Exercise - Iceland

- Ex NC 2018:
 - 300 Operators
 - 15 Countries (**Italy**, **UK** Iceland, France, Holland, Denmark, Norway, Sweden, USA, Poland, Canada, Germany, Austria, Belgium, Finland)
 - UK (FDS) Exercise Commander
 - 31 IED Disposal Teams
 - 'Bomb Making' Training





Summary:

- What is Maritime EOD
 - 'In, On, Under, Near'
 - Not only an UW problem
- Maritime EOD 'where we are':
 - . Conventional Threats
 - . State Actors
 - . Technology
 - . Relatively well understood
- Maritime EOD 'where we're going':
 - . Unconventional Threats
 - . Non-State Actors
 - . Hybrid Warfare
 - . Threat evolution/migration
- . So What?
- . Multi-National Exercising



Questions?

