



# Force Structure & Modernization



# Current Force Structure

---

- **SMCM**
  - MHC Decomm
  - MCM Modernization
- **AMCM**
  - MH-53 Flex
  - ASE Package
- **UMCM**
  - MDSU UUV
  - EOD: MCM, MMS & UUV
- **C2**
  - HSV-2 (current SoO)



# MCM-1 Modernization

---

- **C2**
  - Comm upgrade
  - NAVC2
  - CENTRIX
- **Hunt**
  - HFWB Upgrade to SQQ-32
  - OK-520 modernization
  - SMCM UUV
- **Influence Sweep**
  - AAG/IAAG
  - Mag cable
- **Neutralize**
  - EMNS (SEAFOX)

**END OF MCM SERVICE LIFE 2017-2020**



# AMCM Modernization

---

- **H-53 FLEX extends life to 2015**
- **AQS-24 provides ID capability and higher system reliability**
- **AMNS contingency systems**
  - transition “AMNS-like” capabilities to the MH-53E



# UMCM Modernization

---

- **UUV Platoon**
  - **UOES in support of SMCM UUV**
- **MDSU UUV**
  - **Additional reconnaissance and localization capacity**
- **EOD UUV**
  - **Acquisition of HULS / BULS**
- **NSCT 1 Full Capacity**
  - **Integration to MEDAL**



# What does MIW need?

---

- **Capabilities Required**
  - **Mid-depth mining capability**
  - **Surface lay capability for mining**
  - **A single system to execute the complete detect to engage sequence**
  - **Ability to conduct Emulation Sweeping**
  - **Configuration management, common interfaces, and integration of all UUV's and MEDAL**

**REQUIREMENTS HAVEN'T CHANGED**

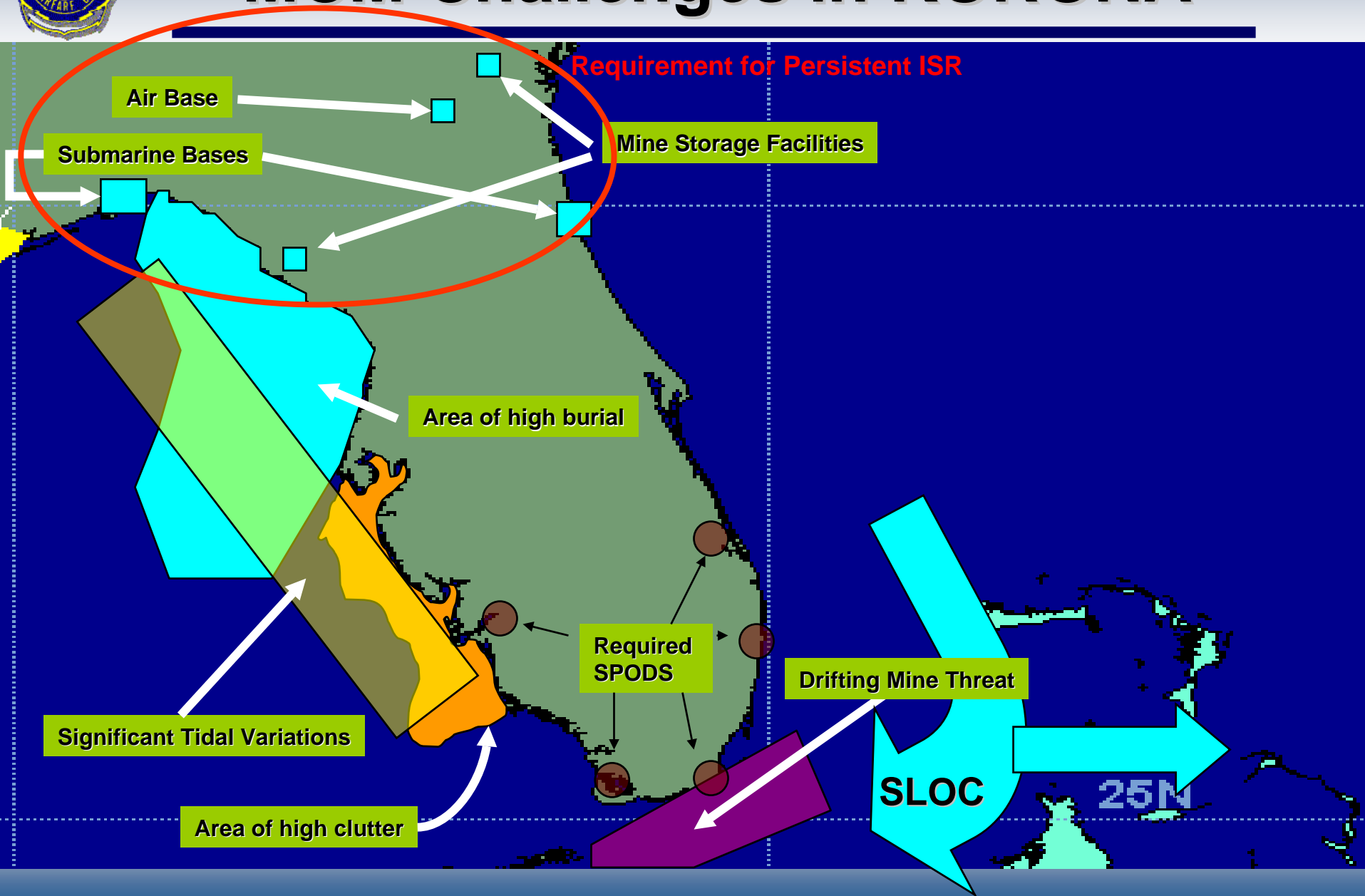


# Current Capabilities

Environment	Deep Water >200 Feet						Shallow Water 200 ft to 40 ft		Very Shallow Water 40 ft to 10 feet		Surf Zone/Beach Zone 10 ft to 0 ft	
	Detect	Classify	Localize	Identify	Neutralize	Sweep	Detect	Neutralize	Detect	Neutralize		
<b>Threat Spectrum</b>												
<b>Floating/Near Surface</b>	Yellow	Yellow	Yellow	Yellow	Green		Yellow	Yellow	Red	Red		
<b>Volume</b>	Green	Green	Green	Green	Green	Green						
<b>Close Tethered</b>	Green	Green	Green	Green	Green	Green	Yellow	Yellow				
<b>Bottom</b>	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Red	Red		
<b>Buried</b>	Red	Red	Red	Red	Red	Green	Yellow	Yellow	Red	Red		
<b>Pressure Mines</b>	Red/Orange	Red/Orange	Red/Orange	Red/Orange	Red/Orange	Red			Red	Red		
<b>Stealth Mines</b>	Yellow	Yellow	Yellow	Yellow	Yellow	Green			Red	Red		



# MCM Challenges in KORONA





# FLEET Commander Feedback

---

- **CMWC is ADDU to all fleet commanders.**
  - **C5F wants**
  - **C7F wants**
  - **C3F wants**
  - **C2F wants**
  - **NORTHCOM wants**
  - **SOUTHCOM wants**



---

# QUESTIONS