

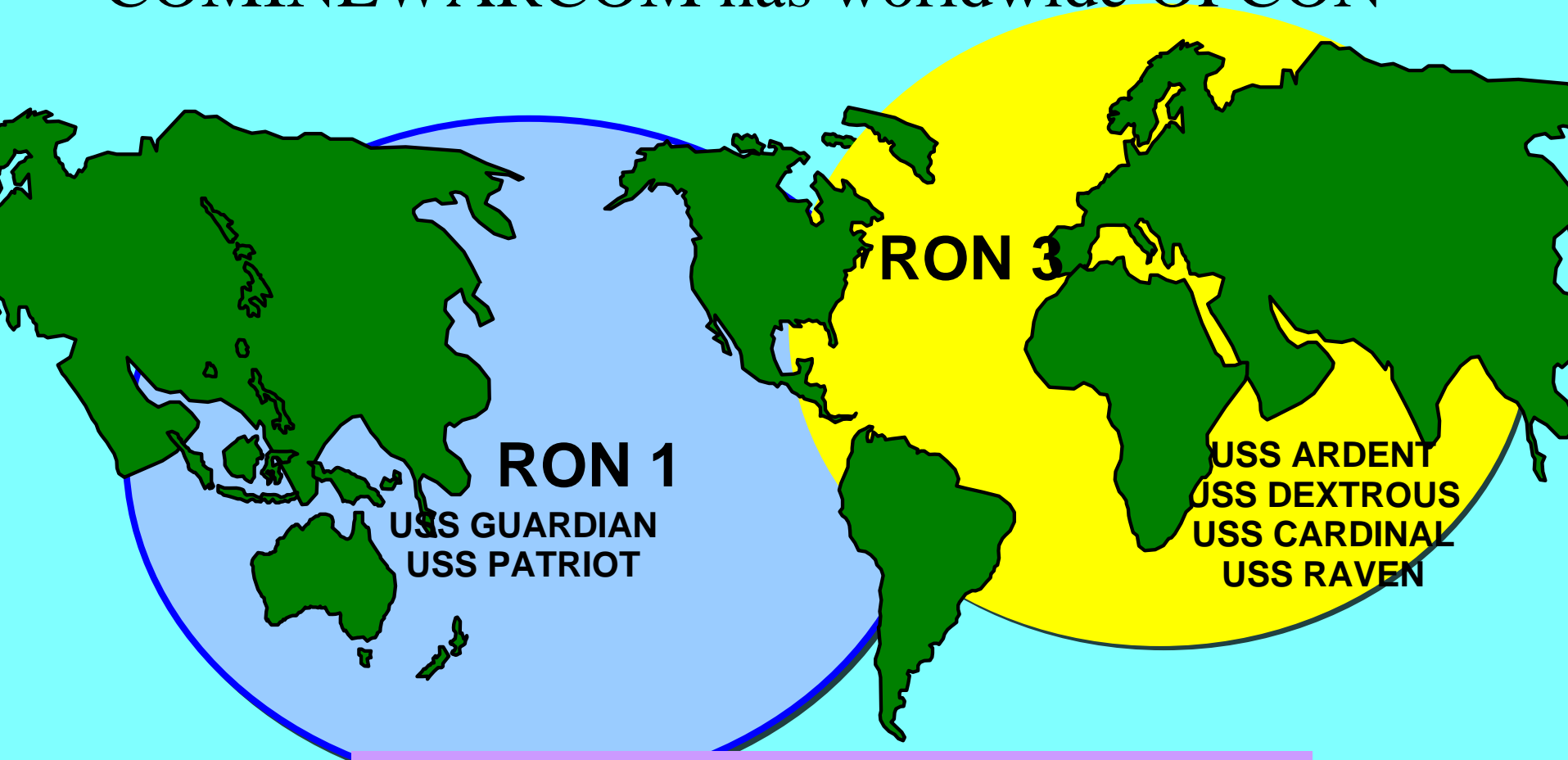


# MCM CONOPS



# WORLD WIDE MIW RESPONSIBILITIES

COMINELWARCOM has worldwide OPCON



RON2 as Readiness Squadron has ADCON  
for all SMCM except Patriot/Guardian



# World Wide Commitments

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- **Crew Swap**
  - Evacuation of dependants from Bahrain
  - Separated Crews from Hulls
  - 6 Month Rotations
- **Persistent FDNF Requirement**
  - Reaffirmed by C5F and C7F
  - OPLAN requirements



# Expanded Sea Trial Role

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- **Sea Strike**
  - Offensive Mining
  - Persistent ISR
  - Offensive Mine Countermeasures
- **Sea Basing**
  - MIW CONOPS Integration
  - Protective Mining
- **FORCE-Net**
  - MEDAL (MIW TDA)
  - Common Undersea Picture (CUP)
- **Sea Shield**
  - MIW CONOPS
  - LCS CONOPS
  - GWOT



# “The Fight!”

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- **Fleet Commanders**
  - Access to theater SPODS/SLOCS
- **MHLD / MHLS**
  - Ensuring Freedom of Maneuver
- **CSG / ESG / ESF**
  - Access to the Sea Base
  - Security to the Sea Base
  - Assured Access to operational areas
- **NATO / Allies / PfP**



# “Fighting the Fight!”

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- **OPLANS / CONPLANS**
  - Areas / Priorities
- **Risk Based Planning**
  - Creative geometry
- **MEDAL**
  - Provides the comm link



# MIW CONOPS Status

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- **CMWC tasked by FFC to update existing MIW CONOPS (CVBG/ARG CONOPS)**
  - Incorporate LCS Capability
  - Submitted to 3<sup>rd</sup> Fleet / FFC Dec 04
- **Currently at NWDC for review**
- **Aligned with JUSS**
- **Synchronized with MCM Cert Plan**



# CONOPS Way Ahead

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- **Align with NWDC CONOPS Guidance**
- **Adopt OPNAV Umbrella Study (“Blue Book”) as systems annex**
- **Update Training Chapter**
  - **Based on new MCMC NMETL**
  - **Coordination with LCS HCO Effort**
- **Add HLD Chapter**
- **Add VSW/Assault Breaching TACSIT**



# CONOPS Timeframes

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- **Timeframes Referenced to LCS Program & Advanced Sensor Delivery**
- **Near Term (~2008)**
  - Present day through LCS Flight 0 operational capability
  - Flight 0 = 4 Ships (2 contractors build 2 each)
- **Mid Term (~2009 – 2015)**
  - LCS Flt 0 Initially
  - LCS Flt 1 & Beyond Later
  - MCM Modules mature & become fully operational
- **Far Term (~2016+)**
  - Advanced Systems Enter Service
  - Existing dedicated system(s) may be divested



# CONOPS overview: Near Term

*Permanently  
Embedded into  
CSG/ESG platforms*

*MCM Forces  
Temporarily Placed  
Under the TACON  
of a CSG or ESG*

*MCM Forces  
Operating in a  
Supporting Role*

- **Assigned Forces**
  - ESF platforms
    - RMS (DDG 91-96 Only)



- **Attached**
  - FDNF MCM Forces
  - Rapid Response/Surge forces
    - MH-53Es & EOD
    - HSV
      - MH-60S (ALMDS, RAMICs, AQS-20, AMNS & OASIS)
      - RMS
      - EOD/NSCT-1/UUVs/MMS
      - MK-105 Sleds

- **Supporting**
  - All MCM Forces (Dedicated + HSV)



# CONOPS Overview: Mid Term

*Permanently  
Embedded into  
CSG/ESG platforms*

- **Assigned Forces**

- Non-LCS ESF platforms
  - RMS (DDG 91-96)
- LCS
  - MH-60S (ALMDS, RAMICs, AQS-20, AMNS, OASIS)
  - UUVs/USVs
- MRUUV on SSN

*MCM Forces  
Temporarily Placed  
Under the TACON  
of a CSG or ESG*

- **Attached**

- FDNF MCM Forces (including LCS w/ MCM Modules)
- Rapid Response/Surge forces
  - HM-53Es & EOD
  - LCS
    - MH-60S (ALMDS, RAMICs, AQS-20, AMNS & OASIS)
    - RMS
    - USV
    - EOD/NSCT-1/UUVs

*MCM Forces  
Operating in a  
Supporting Role*

- **Supporting**

- All MCM Forces (Dedicated + LCS)



# CONOPS Overview: Far term

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*MCM  
Sweeping  
systems  
replaced with  
advanced  
sensors*

- **ESF High Speed Platforms have Full Spectrum MCM Capability**
  - Capability to Discern Buried Ordnance with Advanced Sensors
  - Autonomous Vehicles (UAVs, USVs, UUVs)
- **Water Space Sensor Networks**
  - Integrated with ESF C4I Systems



# What we Need

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- **Systems that operate in challenging environment conditions with high endurance, providing real-time information capable of executing the full detect to engage sequence.**
- **Systems employed in such a way as to permit freedom of maneuver and minimize impact on ESG/CSG speed of advance**
- **Systems must be capable of operating within the littoral:**
  - **Poor hunting conditions – require sweeping or non-acoustic sensing**
  - **Decreased maneuver space**



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# QUESTIONS