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Jim Thomsen
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Littoral and Mine Warfare
Littoral and Mine Warfare Programs Overview

Presented to
Naval Surface Warfare Center Panama City, FL

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Littoral and Mine Warfare
WARFIGHTER SUPPORT

GWOT & THEATER

Anti-Terrorism (Afloat) PMS480

- RIVRON ONE/TWO Outfitting
- Mobile Security Force / Embarked Security Team Equipage
- VBSS/FMHO Mission Support
- SYMPHONY Delivered
- JIEDDO Execution
- JSEOD Theater Support

Unmanned Undersea Vehicles PMS403

- SMCM UUVs Delivered to M-Class ships
- UUVs in Iraqi waterways
- BPAUV Mission Module delivered in Dec 06

C-IED & EOD PMS408

- Man Transportable Robotic Systems (MTRS)
- Single-Service Manager
- JCREW, QRD Delivered

Unmanned Undersea Vehicles PMS403

- SYMPHONY UUVs Delivered
- JIE/DDO Execution
- JSEOD Theater Support

Naval Special Warfare PMS340

- AN/AOS-24A (EOID)
- Sensor/Optical Module-14 Acquisition ISO

LCS Mission Package PMS420

- FY07 MIW MP Delivers
- FY08 ASW / SUW Delivers

Maritime Surveillance Systems PMS485

- TL-29A Installations
- Fixed Surveillance
- Integrated Common Processor (ICP)
- LFA systems in WESTPAC

Mine Warfare Systems PMS495

- Upgrades to MCM ships responding to fleet priorities and rotational crew concept
- AN/AQS-24A (EOID)
- Sensor/Optical Module-14 Acquisition ISO

Fleet Mine Warfare

Enterprises supported:

- NEC
- USE
- SWE
- SOC
- OM
MK 8 Mod 1 Seal Delivery Vehicle
Modernization/SLEP

- SDVs modernized (3 delivered in ‘05 to Fleet on schedule/within cost)
- 2 currently in Fleet acceptance; remaining 5 deliver in FY 06
- Upgraded Obstacle Avoidance Sonar
- Improved situational awareness (e.g. DNC overlays)
- Increased diver/ballast system air storage
- C2 - SATCOM, UHF, VHF, HF LOS comms
- Ao meets >95% Fleet Expectation
- Modernization cost for each SDV – $692K
MIW Mission Systems

Manportable and (Lightweight) 12 ¾”

UUVs

21” (Heavyweight)

LMRS mated to sub LMRS engaged in capture device

REMUS

SMCM Increment II

BPAUV (LCS)