



MINE WARFARE CONFERENCE 19 MAY 09

GREETINGS

- THANK YOU ANDY FOR THAT INTRODUCTION
- SHARING PERSPECTIVE TO ADVOCATES AND OUR COUNSELORS

INTRODUCTION

- THIS MORNING: TALK TO MINE WARFARE IN THE FLEET, SPECIFICALLY:
 1. RELEVANCY OF MIW TO THE FLEET
 2. IMPENDING TRANSITION TO ORGANIC SYSTEMS
 3. OPPORTUNITIES AND CHALLENGES TRANSITION PROVIDES

THEN, TAKE QUESTIONS AS DESIRED.

I. RELEVANCY & CAPABILITY OF MINE WARFARE IN THE FLEET

- MINES CONTINUE TO BE RELEVANT (THREAT) IN ALL THEATERS
 - EXAMPLES: USS PRINCETON, USS TRIPOLI, AND USS ROBERTS
 - CONSEQUENCES TRUMP LIKELIHOOD WHEN EVALUATING RISK
- MINES: RECOGNIZED AS COST EFFECTIVE & ATTRACTIVE OPTIONS
 - EXAMPLE: \$1.5K MINE = \$89M IN DAMAGE TO SAMUEL ROBERTS
 - COST TO PRODUCE/LAY IS <10% COST TO SWEEP & NEUTRALIZE
 - ~ 66 COUNTRIES WITH OVER 1 MILLION MINES

- CHALLENGE = REAL AT NORTHCOM: US PORTS, INCLUDING USN PORTS
 - KEY THREAT IN THE UNDERSEA DOMAIN
 - USFFC FUNDED HYDRO SURVEYS; 12 PORTS IN FYs 08-09
- ALSO, ACKNOWLEDGE NEAR/MID TERM CAPACITY & CAPABILITY GAPS
 - WILL BE ADDRESSED LATER TODAY

II. TRANSITION TO ORGANIC SYSTEMS

- NAVY IS SHIFTING DIRECTION IN MIW; BRINGING IN NEW SYSTEMS
 - THIS BRINGS ITS CHALLENGES
 - NMAWC, MIW COE, INFLUENCES THIS NEW DIRECTION
- WISDOM OF OUR DIRECTION CAN BE DEBATED;
 - SCHEDULED LATER IN THE CONFERENCE
- INTRODUCTION OF ANY NEW SYSTEM INTO THE FLEET IS COMPLICATED AND CHALLENGING, HOWEVER....
-THE TRANSITION FROM CURRENT DEDICATED FORCES TO ORGANIC MCM SYSTEMS WILL BE UNIQUELY CHALLENGING:
 - MUST SUSTAIN CURRENT SYSTEMS.....
 -WHILE WE BRING NEW SYSTEMS INTO OPERATION...
 - ...AND DO ALL THIS WHILE SUSTAINING CURRENT CAPABILITY

USFFC KNOWS LEGACY SYSTEM SUSTAINMENT IS MANDATORY

- KEY CHALLENGE: BALANCE LEGACY AND NEW SYSTEMS
- “GETTING THE RIGHT BALANCE” IS MANDATORY, NOT OPTIONAL
- ORGANIC SYSTEMS MUST BE PROVEN BEFORE WE RETIRE:
 - MCM-1 CLASS SHIPS
 - MH-53E HELICOPTERS
- ATTENTION GIVEN TO LEGACY SYSTEMS, SUCH AS MCM-1 CLASS:
 - PB-10: UPGRADES - AFT DECK EQUIPMENT & BOW THRUSTER
 - DECOM PLAN: TAKES THIS TRANSITION BALANCE INTO ACCOUNT
 - STAYING FOCUSED: THEY NEED TO REMAIN FULLY OPERATIONAL

✓ CONCERNED WITH RECENT MCM INSURV RESULTS

- 2 OF 3 MI RESCHED IN 2008: INABILITY TO MEET INSP DATES
- TRENDS OF SOME FUNCTIONAL AREAS NEED REVERSED
 - MP, AX, DK, ELECTRICAL

- MINE SWEEPING DEMO TRENDS ARE NOT ACCEPTABLE
 - 6/9 DEMOs UNSAT OR DEGRADED IN LAST 10 YRS
 - 4/11 DEMOs ATTEMPTED IN LAST 5 YRS

- WE WILL FIND AND CORRECT ROOT CAUSES & CORRECTIVE ACTIONS
- ALSO, PROVIDE APPROPRIATE ATTENTION TO MH-53Es:

✓ PB-07: UPGRADES TO REMAIN OPERATIONAL TO 2025

- LEGACY SYST CRITICAL UNTIL LCS IN SERVICE WITH THE MIW MP
- ALSO, WE HAVE TO GET THE BRAC RIGHT: INGLESIDE TO S.D.
 - MOVEMENT OF SHIPS & MINE WARFARE TRAINING CENTER TO S.D.
 - MOVEMENT OF HELOS TO NORFOLK
- EXECUTE SO WE DO NOT LOSE CAPABILITY OR READINESS
 - NOT JUST EQUIPMENT: CREW & FAMILIES MOVE ALSO
- MANY LEGACY CHALLENGES AS WE TRANSITION CAPABILITIES

III. OPPORTUNITIES AND CHALLENGES

- TRANSITION IS INCREMENTAL, AS EACH MCM SYSTEM REACHES IOC
 1. HAVE TO GET LCS GLOBAL FORCE LAY-DOWN
 2. LCS MIW MP CONFIGURATION RIGHT.....
 3. NEED TO MAN, TRAIN AND EQUIP ORGANIC SYSTEMS

MANNING CHALLENGES

- IS THE PLANNED MANNING THE RIGHT MANNING? (FIT AND FILL)
 - UNMANNED (UNPILOTED) SYSTEMS PLAY A ROLE IN THE MCM MP
 - TECHNOLOGY: NOT BIGGEST CHALLENGE?
 - HOW WILL MANNING & INFRASTRUCTURE SUPPORT VEHICLES?
- CNO SAID EARLIER THIS YEAR (DISCUSSING UNMANNED SYSTEMS):
“REPLACING A PERSON IN A COCKPIT OR ON A BRIDGE WITH 10 PEOPLE IN A REMOTE CONTROL ROOM DOES NOT GET US MINIMUM MANNING.”
- NOT JUST BODIES (FILL); IT’S THE RIGHT MIX OF SKILL SETS TO BUILDING AND SUSTAINING AN EXPERIENCE BASE
- HAVE TO DEVELOPMENT THE RIGHT SKILL SETS, AND GENERATE A CADRE OF PROFICIENT OPERATORS
- AT THE TACTICAL LEVEL:
 - LCS MCM MP CREW WILL REQUIRE OFF-HULL MANNING SUPPORT
- AT THE OPERATIONAL LEVEL:
 - PLANNING, EMPLOYMENT, AND WATERSPACE MANAGEMENT WILL REQUIRE A MIW CDR AND STAFF TO EFFECTIVELY EMPLOY VARIOUS MANNED AND UNMANNED MCM SYSTEMS
- SO MANNING IS A CHALLENGE.... BUT SO IS INTEGRATION / TESTING

AGGRESSIVE AND EFFECTIVE FLEET INTEGRATION / TESTING PLAN

- EVEN WITH THE BEST SHORE BASED SIMULATION, WE NEED A REALISTIC IDEA OF ACTUAL PERFORMANCE OF THE NEW SYSTEMS
 - BEST METHOD: TAKE NEW SYSTEMS, GET THEM WET, AND LET SAILORS OPERATE THEM – VALIDATION
 - EG: FIRE SCOUT OPEVAL ON MCINERNY (NOT WAITING FOR LCS)

- AN AGGRESSIVE FLEET INTEGRATION & TESTING PLAN THAT DEFINES (REPLICATES) HOW WE ARE GOING TO OPERATE IS CRITICAL
 - PARTNER WITH COMOPTEVFOR FOR END-END ASSESSMENT
- WE DESIGN AND BUILD NEW SYSTEMS TO SPECIFICATIONS BASED ON MODELS, BUT REMEMBER, THAT ANALYSES IS BASED ON
 - THEORETICAL EMPLOYMENT AND PROJECTED PERFORMANCE DATA
- ACTUAL SYSTEM PERFORMANCE CANNOT BE FULLY QUANTIFIED UNTIL THE SYSTEMS ARE EXERCISED AS AN INTEGRATED WEAPON SYSTEM DURING DEPLOYMENT OF LCS AND THE MCM MP
- THEREFORE: FLT HAS TO FORM AN AGGRESSIVE INTEGRATION PLAN
- INTEGRATION PLAN INCLUDES DOCUMENTATION. AS SYSTEMS ARE EXERCISED, NEED TO ENSURE DOCTRINE IS EFFECTIVE

DOCTRINE AND TTP VALIDATION

- AS WE DEMO AND EXPERIMENT, WE NEED TO:
 - HIGHLIGHT WHAT ISSUES NEED ATTENTION
 - DOCUMENT THE ISSUES
 - PERFORM NEEDED RIGOROUS ANALYSIS
 - KEEP THE CHAIN OF COMMAND INFORMED
 - REVISE DOCTRINE AS NEEDED
- NMAWC HAS INITIATED A TOP DOWN REVIEW AND UPDATE OF MIW DOCTRINE TO REFLECT CHANGES IN SYSTEMS AND PROCEDURES
- THIS UPDATE IS BASED ON THE RECOGNITION THAT MUCH OF THE MIW TACTICAL GUIDANCE IS OUT OF DATE
- PUBLISHED GLOBAL MIW CONOPS IN JUN 2008 (DRAFTED BY NMAWC);
 - FIRST STEP IN THIS UPDATE

- THE CAPSTONE NAVAL MINE WARFARE PUBLICATION, NWP 3-15, HAS BEEN REWRITTEN & IS NOW IN REVIEW. THERE IS ALSO ONGOING WORK LED BY NMAWC TO UPDATE OTHER MINE PUBLICATIONS
- A NUMBER OF TACMEMOS AND OTHER DOCUMENTS ARE UNDER REVIEW THAT FOCUS ON DETAILS OF NEW MIW SYSTEMS AND TACTICS
- NWDC HAS BEEN A CONTINUAL SUPPORTER OF MIW TACTICAL DEVELOPMENT PROJECTS, TWO OF WHICH ARE IN PROGRESS, AND TWO MORE BEING CONSIDERED FOR NEXT YEAR
- BOB GIRRIER (NMAWC), WILL GIVE YOU A SNAPSHOT THIS AFTERNOON

BUILDING A FEEDBACK LOOP

- FINALLY, I WANT TO MENTION THE NEED FOR A FEEDBACK LOOP
- A FEEDBACK LOOP SHOULD BE ESTABLISHED AND MAINTAINED
- LESSONS LEARNED AND DOCTRINE NEEDS TO ACCURATELY DESCRIBE MINE WARFARE CAPABILITIES AND SHORTFALLS
- THIS INFORMATION NEEDS TO BE EFFICIENTLY PROVIDED TO BOTH TECHNICAL LEADERS AND PROGRAM LEADERS IN ORDER TO YIELD QUALITY ANALYSIS, ASSESSMENT, AND A RE-ENGAGEMENT PLAN
- INFO SHOULD QUICKLY MOVE THRU THE CHAIN OF COMMAND SO SR LDERS KNOW WHAT IS WORKING & WHERE ATTENTION IS WARRANTED
- THROUGH THIS PROCESS, REMEMBER THAT THE TRUE KEY TO SUCCESS IS THE PEOPLE
- PEOPLE WHO WILL PROVIDE LEADERSHIP & TECHNICAL EXPERTISE---- MILITARY, CIVILIANS, INDUSTRY----BRING THESE NEW SYSTEMS TO IOC

CONCLUSION

- MINES ARE RELEVANT AND A THREAT
- WAY AHEAD IS FROM PLATFORM-CENTRED TO ORG SYS ABOARD LCS

- MUST SUSTAIN CURRENT ASSETS
- APPRECIATE YOUR CONTRIBUTIONS AND COUNSEL.
- DO NOT LOSE SIGHT OF THE PROGRESS WE ARE MAKING
- NEED ADVOCACY AND COUNSEL OF THIS GROUP
- THANK YOU. READY TO TAKE QUESTIONS.