



**PCO Class 263
Maritime Warfighting Curriculum
(30 July – 21 September 2012)**

In your Maritime Warfare folder you will find Training Objectives for the curriculum and the War Game. To meet these training objectives, we will use a combination of Instructor Led Training (ILT), required and recommended reading, the Maritime Warfare Exam (an exam you must pass to graduate), and a War Game facilitated by the Naval War College and SWOS Staff. Our goal is to complement any other training you might receive during your pipeline so as to best prepare you for your tours as Commanding and Executive Officers Afloat. If there are any questions, please don't hesitate to ask a member of the N73 or N75 staffs.

Requirements

- | | |
|---------------------------------|---------------|
| • Instructor Led Training (ILT) | 31 JUL-09 AUG |
| • Required Reading | As Assigned |
| • War Game Planning/Execution | 31 JUL-14 SEP |
| • OPGEN/OPTASK P-Work | 24 AUG |
| • Maritime Warfighting Exam | 24 AUG |
| • CO Daily Tactical Orders | 31 AUG |
| • SOH Capstone Event Brief | 17 SEP |
| • SOH Capstone Event Execution | 19 SEP |

Instructor Led Training (ILT)

Common Core

- IO Update
- Link Management & Discipline
- EW Update
- SUW Ops/Tactics & OTH-T
- FAC/FIAC Tactics Review
- Counter-Piracy
- MIO / VBSS
- SUW FMB Scenario
- ASW OPS/Evasion/Countermeasures
- ASW C2/Waterspace Management
- AMD Battlespace/Assets
- MIW Fundamentals/Tactics
- ASMD/Self-Defense
- Alternate AMDC/TF OPS
- CNT Operations

AMPHIB Only

- ARG OPS Overview
- Wet Well OPS
- Ballasting
- Ship-to-Shore Movement
- Embarkation
- SSDS
- HA/DR Missions

CRUDES Only

- Target Motion Analysis Review
- USW Weapons/Weapons Employment
- SAU Procedures
- SAG Procedures
- Gun Employment

Grading Summary

- | | |
|---------------------------|-----|
| • OPGEN/OPTASK P-Work: | 25% |
| • War Game Participation: | 25% |
| ○ Determined by Lead | |

- CO Daily Tactical Order Review by N73 10%
- Maritime Warfighting Exam 40%
- 100%

Maritime Warfare Awards

Top Gunner – Highest GPA in Maritime Warfare

Fleet Tactics Award for Halsey War Game – Chosen by War Gaming Group Lead

References (Available on LAN/L-Drive)

SWOS LAN

- PCO MW Folder: L:\N75_Lessons\PCOMaritime Warfighting
- **ALL References:** L:\N75_Lessons\PCOMaritime Warfighting\MW References
- Navy Wide OPTASK Library: L:\N75_Lessons\PCOMaritime Warfighting\MW References\NAVYWIDE OPTASK LIBRARY (vetted 23July2012)

WEBSITES (L:\N75_Lessons\PCOMaritime Warfighting\MW References\Websites)

- CDS 26: <http://www.fleetforces.navy.smil.mil/CDS26> (Old SWDG info; FFC account required)
- NMAWC: <http://nctamspac2.cas.cas.navy.smil.mil/navy/nmawc/site.nsf>
- ONI: <http://other-low-oniportal.oni.nmic.navy.smil.mil/portal/server.pt>
- Port Hueneme: <http://cnl.phdnswc.navy.smil.mil> (Ship Caps/Lims)
- Navy Doctrine Library System: <http://ndls.navy.smil.mil>
- Navy Enterprise Portal-Oceanography: <http://nepoc.oceanography.navy.smil.mil/portal/web/asw>
- NAVCENT/CTF 50 Website: <http://www.pr.cas.navy.smil.mil/fleet/c5f/site.nsf/main.html?openPage>

Required and Recommended Reading

ROE

- [CJCS 3121.01B Standing Rules of Engagement](#)
 - Enclosures A, B, C, I (Appendix A, B, C) only
- [USCENTCOM Supplement Rules of Engagement \(C5F CAS Site and N73 Reference Library\)](#)

Class Tactical Publications (Read only your specific NTRP)

- [NTRP 3-20.6.02 CG Class \(Oct 2007\) \(85 Pages\)](#)
 - Chapter 6 (sections 6.7 and 6.8)
 - Chapter 7 (sections 7.4, 7.5, 7.6)
 - Chapter 9 (sections 9.4, 9.5, 9.6, 9.7, 9.8)
- [NTRP 3-20.6.08 Vol 1 DDG 51 FL I \(Sep 2010\) \(97 Pages\)](#)
 - Chapter 6 (sections 6.7 and 6.8)
 - Chapter 7 (sections 7.4, 7.5, 7.6)
 - Chapter 9 (sections 9.4, 9.5, 9.6, 9.7, 9.8, 9.9)
- [NTRP 3-20.6.08 Vol 2 DDG 51 FL II \(Sep 2010\) \(97 Pages\)](#)
 - Chapter 6 (sections 6.7 and 6.8)
 - Chapter 7 (sections 7.4, 7.5, 7.6)

- Chapter 9 (sections 9.4, 9.5, 9.6, 9.7, 9.8, 9.9)
- [NTRP 3-20.6.08 Vol 3 DDG 51 FL IIA \(Feb 2011\) \(88 Pages\)](#)
 - Chapter 6 (sections 6.7 and 6.8)
 - Chapter 7 (sections 7.4, 7.5, 7.6)
 - Chapter 9 (sections 9.4, 9.5, 9.6, 9.7, 9.8, 9.9)
- [NTRP 3-20.6.10 FFG 7 \(Apr 2011\) \(53 Pages\)](#)
 - Chapter 6 (sections 6.7 and 6.8)
 - Chapter 7 (sections 7.9, 7.10, 7.11)
 - Chapter 8 (sections 8.4, 8.5, 8.6, 8.7, 8.8)
- [NTRP 3-20.6.21 LPD 17 \(Jul 2011\) \(69 Pages\)](#)
 - Chapter 6 (sections 6.4, 6.5, 6.6, 6.8, 6.9, 6.10)
 - Chapter 8
 - Chapter 10 (section 10.9, 10.10, 10.11)
- [NTRP 3-20.6.17 LSD 41 \(May 2007\) \(60 Pages\)](#)
 - Chapter 2 (section 2.1)
 - Chapter 6 (sections 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7)
 - Chapter 8
 - Chapter 9
- [NTRP 3-20.6.19 MCM Class \(Apr 2010\) \(61 Pages\)](#)
 - Chapter 2
 - Chapter 3
 - Chapter 5
 - Chapter 6
- [NTRP 3-20.6.25 PC \(Feb 2007\) \(44 Pages\)](#)
 - Chapter 3
 - Chapter 5 (sections 5.3, 5.4, 5.7, 5.9)
 - Chapter 13 (sections 13.1, 13.2, 13.5, 13.6, 13.8, 13.9)
- [NTRP 3-20.6.26 \(Draft\) LCS 2 \(Apr 2011\) \(82 Pages\)](#)
 - EX 5.2
 - Figures EX-5, EX-6, EX-7, EX-8
 - Chapter 2
 - Chapter 3
 - Chapter 5 (sections 5.1-5.5)

IO

- [Navy Wide OPTASK IO \(Parts 1 thru 5\) \(C2F 151731Z MAY 06\)](#)
- [Navy Wide OPTASK EW \(COMUSFFCOM 211535Z NOV 11\)](#)
- [Electronic Warfare Sections of Specific Class Tactical Publications – see above for ship class](#)
- [NTTP 3-13.14 Surface EW Guide \(Chapter 2 thru 2.3.5\)](#)
- [TM 3-51.1-05 Nulka Tactical Employment Guide \(Chapters 1 and 4\)](#)
- [TM 3-51.1-07 Nulka in Vicinity of High Value Units](#)
- [NWP 3-63 Volume 1 Computer Network Operations \(Chapter 3\)](#)
- [NTTP 3-13.2 Navy Information Warfare Commander's Manual \(Chapter 3 thru 3.5\)](#)

AMD

- [Navy Wide OPTASK AMD \(USFF 291630Z JUN 12\)](#)
- [SWDG TM 3-01.1-07, Single Ship Integrated Hardkill and Softkill Tactics in Anti-ship Missile Defense](#)
- [Air Defense Chapters from your specific Class Tactical Publications – see above for ship class](#)
- [NWP 3-01.01 Fleet Air Defense \(Jun 2006\)](#)
- [NTTP 3-01.11 Air Defense Planning Guide \(Dec 2004\)](#)
- [NTTP 3-01.5 AEGIS Core Tactics \(Mar 2007\) \(Aegis Only\)](#)

- TM 3-01.5-12 SSDS MK 2 MOD 2 Core Tactics (Chapters 2-4) (LPD 17 Only)
- NTTP 1-10-1 Force Tactical Action Officer (Mar 2005) (Chapter 5)
- NWP 3-01.12 Surface Ship AW Tactics (Feb 1999) (Section 5.1, Silent Sam, Aegis Only)
- TM 3-13.1-09 ASMD Tactics Against Anti Radiation Homing Missiles (Chapter 3 and Appendices A and D)

SUW

- Navy Wide OPTASK SUW (CFFC 091745Z FEB 12)
- Navy Wide OPTASK MIO (CFFC 281137Z JUN 06)
- Navy Wide OPTASK Counter Piracy (CFFC 231125Z MAY 11)
- NTTP 3-20.5 Counter FAC/FIAC Procedures (Chapters 1, 4, 6, 7, 8, Appendices C, D, F, G, H)
- NTTP 3-07.11M MIO (Chapters 2 [2.2-2.11], 4, 5, 6, Appendix I)
- TB SUW-12-02 Anti-Piracy/Counter Piracy Operations (Section 4, 5, 6)
- Surface Warfare Chapters of Specific Class Tactical Publications – see above for ship class
- Navy Wide OPTASK CTP-COP (Parts 1 thru 5) (C2F 151750Z NOV 04)
- NWP 3-20.7 OTHT and Surveillance (Chapter 11)
- NTTP 3-20.3 Surface Ship SUW Tactics (Apr 2008) (Chapters 4, 5, 6, and Appendix A)
- NTTP 3-20.71 (Rev B) Surface Ship Harpoon Employment Manual (Apr 2004) (Chapters 3, 4, Appendix B)
- TB SUW 04-01 KE-ET/HE-ET Employment versus FIAC (U) (CG, DDG only)

USW

- Navy Wide OPTASK ASW Part 1/2 (C3F 150115Z/150120Z AUG 08)
- Navy Wide OPTASK MIW (C3F 022016Z FEB 10)
- NWP 3-21.3, Anti-Submarine Warfare Principles (Ch 4 and 5.4)
- NTTP 3-21.33, Surface Torpedo Attack Tactics/Countermeasures/Evasion Manual (January 2011)
 - Ch 2 and Appendix B (CG, DDG, FFG only)
 - Ch 3 (All)
- ASW/ Torpedo Evasion Chapters of specific Class Tactical Publications
- TM 3-21.37, Surface Ship Tactics Against the Diesel Sub in the Littoral (July 2011)
- JOHN S. MCCAIN/SHANG HULL (SSN 407) Final Report (August 2009) (para A and E)
 - CG, DDG, FFG only
- ATP 28(B) Allied Anti-Submarine Warfare Manual (April 2010) (Chapter 9 para 0901-0970)
 - CG, DDG, FFG Only
- NWP 3-21.0 (Rev A) Fleet Antisubmarine Warfare (Feb 2007) (Chapter 6)
- NTRP 3-21.35 Surface Ship Active and Passive Sonar Systems (May 2005)
 - CG, DDG, FFG only (Focus on those systems you will have aboard your ship)
- NTTP 3-22.5 ASW TACAID (Coordinated Procedures and Tactics, Search, Localization, Tracking, Attack chapters)
 - CG, DDG, FFG only
- TM 3-21.1-11 Active Tactical Employment Procedures for Surface USW CS (March 2011)
 - CG, DDG, FFG only
- SHAREM 163 AAR – East of Okinawa (West Coast)
- SHAREM 160 AAR – East of RoKSH (West Coast)
- SHAREM 165 Hot Wash Brief – Arabian Gulf (All)

EXW

- Navy Wide OPTASK AMPHIBIOUS OPERATIONS Sections 1-3 (CFFC 061040Z MAY 11)

- Navy Wide OPTASK HA/DR (C2F 302359Z NOV 09)
- NTTP 3-02.1.4M Defense of the Expeditionary Strike Group (Sep 2006) (Chapters 4 and 6)
- Amphibious Warfare Sections of Class Tactical Publications – see above for ship class
- NTTP 3-02.1 Ship to Shore Movement (May 2007) (Chapters 2,4, and 5) (Amphib Only)
- SWDG TB AMW 07-01 Landing Craft Control Procedures for LPD 17 Class Ships (LPD 17 only)
- Joint Pub 3-29 Foreign Humanitarian Assistance (17 March 2009) (Chapter 2)
- Joint Pub 3-68 Noncombatant Evacuation Operations (22 Jan 2007) (Chapters 2 and 5)
- NTTP 3.57.3 Navy Humanitarian and Civic Assistance Operations (Chapters 1 and 6)
- NTTP 3-02.1.3 Amphibious/Expeditionary Operations Air Control (Chapters 3, 5, 8 and 9)
- COMNAVSURFLANT/PACINST 3340.3, Wet Well Operations Manual
- Joint Pub 3-02 Amphibious Operations (10 Aug 2009) (Chapters 1 and 3)
- Amphibious Operations in the 21st Century (MCCDC White Paper 18 Mar 2009)

Reading Assignments (Preps for Class)

- **For AD Presentations/Discussion – 02 AUG**
 - Read Ahead PPTs
 - Navy Wide OPTASK AMD (USFF 291630Z Jun 12)
 - Air Defense Chapters from your specific Class Tactical Publications
 - SWDG TM 3-01.1-07, Single Ship Integrated Hardkill and Softkill Tactics in Anti-ship Missile Defense
- **For SUW Presentations/Discussion – 03 AUG**
 - Surface Warfare Chapters for Specific Class Tactical Publications
 - Navy Wide OPTASK SUW (CFFC 091745Z FEB 12)
 - Navy Wide OPTASK MIO (CFFC 281137Z JUN 06)
 - Navy Wide OPTASK Counter Piracy (CFFC 231125Z MAY 11)
 - NTTP 3-20.5 Counter FAC/FIAC Procedures (Chapters 1 [1.4.1, 1.4.2], 4 [4.2.2, 4.2.3, 4.3, 4.4, 4.6], 6 [6.2-6.7], 7 [7.2, 7.3, 7.4, 7.6, 7.8.1, 7.9, 7.11.1, 7.11.3], 8, Appendices C, D, F, G, H)
- **For USW Presentations/Discussion – 06 AUG**
 - Anti-Submarine Warfare/Torpedo Evasion Chapters of Specific Class Tactical Publications
 - Navy Wide OPTASK ASW (Part 1 and 2) (C3F 150115Z/150120Z AUG 08)
 - Navy Wide OPTASK MIW (C3F 022016Z FEB 10)
 - NWP 3-21.3, Anti-Submarine Warfare Principles (Ch 4 and 5.4)
 - NTTP 3-21.33, Surface Torpedo Attack Tactics/Countermeasures/Evasion Manual (January 2011)
 - Ch 2 and Appendix B (CG, DDG, FFC only)
 - Ch 3 (All)

- **For AMPHIB Breakout Session – 07 AUG**
 - NTTP 3-02.1 Ship to Shore Movement (May 2007) (Chapters 2,4, and 5)
 - SWDG TB AMW 07-01 Landing Craft Control Procedures for LPD 17 Class Ships (LPD 17 only)

- **For IO Presentations/Discussion – 08 AUG**
 - Electronic Warfare Chapters/Sections for Specific Class Tactical Publications
 - Navy Wide OPTASK IO (Parts 1-5) (C2F 151731Z May 06)
 - Navy Wide OPTASK EW (COMUSFFCOM 211535Z Nov 11)
 - Review Operation Neptune Scissors 2010 Final Assessment
 - Review Operation Neptune Scissors 2011 Final Assessment

Maritime Warfighting (N73) Points of Contact

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