



# Major Command (A-4H-0110) Syllabus

The intent of the MCO course is to refresh students' level of knowledge while focusing on SWO Core competencies of Command Management (CM), Navigation, Seamanship, and Shiphandling (NSS), Material Readiness (MR), and Maritime Warfare (MW) as well as Rules of the Road (RoR) taught at the MCO level. We take three weeks to cover all material that is delivered using a combination of student required and recommended reading, Instructor Led Training (ILT) and guest speakers, practical work (p-work) assignments, mentorship sessions, a Rules of the Road examination, a Bridge Resource Management Practical assessment, and a shiphandling assessment.

Our goal is to complement other training you receive during your pipeline to best prepare you for your tours. The below syllabus is provided for your use in preparing for the course of instruction. If you have any questions, please don't hesitate to contact a member of the N72, N73, N75, or N76 staff. (N75 Admin Office: (401) 841-4981, [SWOSCommandAtSea@navy.mil](mailto:SWOSCommandAtSea@navy.mil))

## **Requirements/Assessments**

- Required Reading (As Assigned)
- NAVDORM Practical (Week 1)
- **Rules of the Road Exam (Week 2)**
- **Shiphandling Assessment (Week 3)**
- **BRM Assessment (Week 3)**

## **Grading Summary**

- Rules of the Road (90%)
- Team BRM Assessment (Pass/Fail)
- Shiphandling Assessment (Pass/Fail)

## **Instructor Led Training (ILT)**

### **Command Management (CM)**

#### Personnel Management

PERS 41 Community Brief (1.5 hr)

FITREP Seminar (1.5 hr)

Command Qualification/Command Assessment Discussion (.5 hr)

#### Supply Management

Husbanding Agent/Husbanding Services Discussion (1 hr)

#### Training/Readiness:

Intro to Defense Readiness Reporting System – Navy (DRRS-N) (1 hr)

REDLINES Refresher (.5 hr)

Surface Force Readiness Manual Update (1 hr)

Aviation Mishap Case Study (1 hr)

## **Material Readiness (MR)**

### Engineering Readiness Review (lessons vary with student class make up)

Steam Engineering Review (2 hr)  
LPD 17 Class Advocate/Engineering Review (4 hr)  
CG Engineering Review (2 hr)  
DDG Engineering Review (for DESRONs) (2 hr)  
DDG 1000 Engineering Review (2 hr)

### Surface Warfare Enterprise

Maintenance University for MCO (8 hrs)

## **Maritime Warfare (MW)**

### Commanding Officer Antiterrorism Training

(optional for those who have had SW COAT previously):

Classroom lessons (12 hr)  
Firearms Training Simulator (FATS) (1 hr)  
Small Boat attack at anchor Simulation (1 hr)

### Cyber Operations (For all)

IO Update (1.5 hr)  
NAVIDFOR/Cyber Guest Speaker (1.5 hr)

### Amphibious Operations (For Amphib Students)

Amphib overview (1 hr)  
Ship to Shore Maneuver (1hr)  
Ballasting (.5 hr)  
Marine Embarkation/Debarcation (.5 hr)

### CRUDES Operations (For CRUDES Students)

AD Current Ops/Issues (1 hr)  
SUW Current Ops (1 hr)  
USW Current Ops (1 hr)

### Intermediate/Advanced Phase Warfare Training

Warfare Commanders / ALT Duties (2 hr)  
Guest/VIP Lecturers (TTGL/P, Sitting CDRE) (as req'd)

## **Navigation, Seamanship, and Shiphandling (NSS)**

### Bridge Resource Management

Navigation Basic Principles Review (1.5 hr)  
Communications (1 hr)  
Error Chain (4 hr)  
Voyage Planning/Emergencies (2 hr)  
BRM Practical Exercise Voyage Planning (Paper Chart and Electronic) (4 hr)  
BRM Practical Exercise (2 hr)

### Navigation Review

Rules of the Road Review (6 hours)

Shiphandling Fundamentals (3 hrs)  
NAVDORM Practical Exercise (P-Work)

Voyage Management System/Electronic Navigation

Intro to Voyage Management System (2 hr)  
VMS Chart Review Scenario (1.5 hr)  
ISIC VMS/Nav Checkride Best Practices (2 hr)

Shiphandling Simulators (4 Practice Sessions, 1 Assessment)

Session 1: Homeport Familiarization (Getting underway/docking)  
Session 2: Pierwork in Homeport  
Session 3: Underway Replenishment/Man Overboard  
Session 4: Pierwork/Assessment Practice

**Mentorship Sessions**

SWOS CO  
Guest/VIP Lecturers

**Case Studies**

USS PORTER Collision (during BRM lessons)  
USS WILLIAM P LAWRENCE Aviation MISHAP  
USS COWPENS (as part of CO SWOS Mentor session)

**Guest Speakers**

Navy Chief of Information (CHINFO) (Tentative)  
Naval Safety Center (Tentative)  
President Board of Inspection and Survey (INSURV)  
PERS-41 Community Update and FITREP Seminar  
TACTRAGRULANT / PAC & CSG-4 /15  
ATG LANT/PAC  
Visiting Commodores (Tentative)  
NAVIDFOR Guest Speaker  
CSICP Inspector  
EKMS (in person brief – *meets yearly requirement*)

**Course References (Required and Recommended Reading)**

***Surface Force Readiness***

- **CNSP-CNSLINST 3502.3 – Surface Force Readiness Manual**
- CNSP-CNSLINST 3500.10 – Readiness Evaluations (READ-E) Instruction
- CNSP-CNSLINST 3500.11 – Surface Force Exercise Manual
- CNSP-CNSL-CNRMCIINST 4700.1A – Total Ships Readiness Assessment (TSRA)
- **CUSFF/COMPACFLTINST 3000.15A – Optimized Fleet Response Plan**
- **CNSP-CNSLINST 3504.1B – Redlines**
- NTRP 1-03.5 – DRRS-N Reporting Manual
- **CTF 20 DTG 121400ZDEC11 – DRRS-N Readiness Reporting Guidance**
- NWP 1-03.1 – Operational Reports
- (SIPR) OPNAVINST C3501.2K – Mission ROC-POE Statements

***Husbanding Agent/Husbanding Services Discussion***

- **SECNAV MEMO dtd 30 APR 14**
- **ASN (RDA) MEMO dtd 11 MAR 14**
- **FFC P4 MSG 251532ZAPR14 SHIP PORT VISIT CONTROLS AND OVERSIGHT**
- **SECNAV 061550Z NOV 14 ETHICS AND CONTRACTING EXCELLENCE**
- **CNSP 252344Z JUN 15 HUSBANDING SERVICE PROVIDER (HSP) AND PORT VISIT PLANNING**
- **CFFC 252000Z JUL 14 REVISED CTF80 HUSBANDING PROVIDER LOQREQ**

#### ***Electronic Key Management System for COs***

- EKMS for CO's Handbook
- EKMS-1 – EKMS Policy and Procedures Manual
- EKMS-3 – EKMS Inspection Manual

#### ***Navigation, Seamanship, and Shiphandling***

- **CNSP-CNSLINST 3530.4(series) – NAVDORM – Surface Ship Navigation Dept Org and Regulations Manual**
- Shiphandling Best Practices for your Ship Class (in SHIPHANDLING TRAINING)
- **Navigation Rules and Regulations Handbook (formerly COLREGs)**

#### ***Case Studies***

- **As Assigned**

#### ***Maritime Warfare***

##### **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)**
- NTTP 3-13.2 – Navy Information Warfare Commander's Manual (Chapter 3 thru 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)
- Review Operation Neptune Scissors 2010 Final Assessment
- Review Operation Neptune Scissors 2011 Final Assessment

##### **Amphibious Operations**

- **Joint Pub 3-02, Amphibious Operations (July 2014)**
- **CNSL/CNSPINST 3340.3D Wet Well Operations Manual (October 2012)**
- **OPTASK AMPHIB 061040ZMay11**
- NTTP 3-02.1M, Ship-to-Shore Movement (May 2007)
- Joint Pub 3-02.1 – Amphibious Embarkation and Debarkation (Nov 2010)
- NTRP 3-20.6.13 – LHD-1 Class Tactical Publication (February 2007)
- NTRP 3-20.6.17 – LSD-41 Class Tactical Publication (May 2007)
- NTRP 3-20.6.21 – LPD-17 Class Tactical Publication (May 2005)

##### **Air and Missile Defense**

- **NTTP 3-01.11 Air Defense Planning Guide (Ch 7)**
- **Navy Wide OPTASK AMD June 2012**

- NTTP 1-10-1 Force TAO (Ch 5)

### **Surface Warfare**

- **Navy Wide OPTASK SUW**
- Navy Wide OPTASK VBSS
- Navy Wide OPTASK Counter-piracy
- **NTTP 3-20.5 Counter FAC/FIAC Procedures (Exec Summary, Ch 7,8)**

### **Undersea Warfare**

- **Navy Wide OPTASK ASW**
- **NTTP 3-21.23.10 – Submarine Contact Management Manual (Ch 1, 7, 9)**
- **NTTP 3-21.37 – Ship Counter Tactics for Diesel Submarine in Littoral Environment (Ch 2)**
- NTTP 3-21.33-CH 1 – Surface Torpedo Attack Tactics, Countermeasures, and Evasion Manual (Ch 3)
- NWP 3-15, Vol 1 (Ch 1, 2) – Naval Mine Warfare
- **Navy Wide OPTASK MIW**

## **USEFUL WEBSITES**

### • NIPRNET

- ATG Extranet: <https://toris.atgpac.nmci.navy.mil/Extranet/default.aspx>
- BUPERS Online: <https://www.bol.navy.mil/DefaultPub.aspx?Cookies=Yes>
- Navy Personnel Command: <http://www.public.navy.mil/bupers-npc/Pages/default.aspx>
- iNavy Portal Page: <https://inavy.portal.navy.mil/SitePages/Homepage.aspx>
- CNSP/L Sharepoint Web: <https://www.surfor.navy.mil/Pages/default.aspx>
- FLTMPs: <https://ntmpsweb.ncdc.navy.mil/FLTMPs/>
- DRRS-N (UNCLAS): <https://www.portal.navy.mil/drrs-n/default.aspx>
- VRAM Dashboard: <https://vram.spawar.navy.mil>
- DONI UNCLAS Instructions: <https://doni.daps.dla.mil/OPNAV.aspx>
- USCG Questions: <http://www.uscgg.com/>
- Joint Doctrine: <http://www.dtic.mil/doctrine/>
- NSIPS: <https://nsipsprod.nmci.navy.mil/nsips clo/jsp/index.jsp>
- INSURV: <https://usff.portal.navy.mil/sites/insurv/inspections>

### • SIPRNET (Nearly all are SIPR-token enabled)

- CAS Hub: <http://uar.cas.navy.smil.mil-bghub.nsf>
- CTF 74 List of SIPR Links: <http://www.ctf74.navy.smil.mil/LINKS.aspx>
- Navy Doctrine Library System: <http://ndls.navy.smil.mil>
- NMAWC: <http://nctamspac2.cas.cas.navy.smil.mil/navy/06/site.nsf/Main.html>
- ONI: <http://other-low-oniportal.oni.nmic.navy.smil.mil/portal/server.pt>
- Port Hueneme: <http://cnl.phdnswc.navy.smil.mil> (Ship Caps/Lims)
- VRAM Dashboard: <https://vram.spawar.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>
- DONI SIPR Instructions: <https://clspcdom02.cno.navy.smil/donci>

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