



AFLOAT Combat Systems Checklist

UPDATED April 2025

**SAFETY REVIEW ITEMS - COMBAT SYSTEMS
ADMIN**

Is the current RADHAZ survey available and within periodicity?

REF: OPNAV M-5100.23 SECTION B CH. 22

OPNAVINST 5100.19 SECTION B CH. 9

OP3565 VOL 1

Are appropriate warning signs posted on:

- Ladders
- Masts
- Stacks
- Kingposts
- Antenna platforms and other rf radiation hazard areas?

REF: Most recent RADHAZ survey

OP3565 VOL 1

Do tag-out procedures comply with current directives?

REF: TAG-OUT USERS MANUAL (TUMS)

LOCAL INSTRUCTION (IF APPLICABLE)

Are circuit breakers positioned in the OFF position without approval or associated tag out?

REF: COMNAVSURFPAC/COMNAVSURFLANTINST 3540.3B CHAPTER 3 SECTION 3

PARAGRAPH 3301.e.6

TAG-OUT USERS MANUAL(TUMS) Paragraph 1.6.

Are hanging tags (DANGER/CAUTION) properly posted?

REF: TAG-OUT USERS MANUAL(TUMS) Paragraph 1.6.4.c.(2)

Are the minimum number of electrical rating personnel CPR qualified?

REF: NSTM 300

OPNAVINST 5100.19 SECTION B CHAPTER 7

Are technicians familiar with the proper safety precautions for working on energized equipment?

REF: NSTM 300-2.3 & 2.4

OPNAV M-5100.23 SECTION B CHAPTER 35

Are the following signs, placards, and instructions posted in all spaces containing electronic equipment?

- Electrical and electronic safety precautions
- Equipment operating instructions
- CPR resuscitation
- Procedures
- Danger high voltage signs

REF: GSO 070 H

NSTM 300-4.8 & 4.9

NSTM 400-3.2

EQUIPMENT and STOWAGE

Are ladders, handrails, and other similar structures properly grounded/bonded?

REF: SHIP'S TOPSIDE EM CONTROL MEASURES DRAWING

MIL-STD 1310

PMS MIP 4071/0201

Are non-skid material, non-skid paint or 3 adhesive non-skid strips are installed.

REF: OPNAVINST 5100.19F Section C Chapter 1 Paragraph 2.b.(1).

Are all chemicals stored in an approved flammable or corrosive locker (less than 30 gal)?

REF: NSTM 220 VOL 2
NSTM 670 VOL 1
OPNAVINST 5100.19 SECTION B CH. 3

Is emergency destruction equipment (fire axes, sledge hammers, etc.) secured to prevent horizontal or vertical movement (grade b shock mount)?

REF: MIL-S-901D-1.2.2
GSO 072 B

Are electronic workbenches in compliance with existing safety requirements for insulation, equip grounding leads, warning signs, and power disconnects? Or have electronic workbenches been properly retro-graded to mechanical work benches if requirements cannot be met?

REF: NSTM 300 APP H
PMS MIP 6652/006

Are all electronic equipment, equipment enclosures, cabling, and accessories electrically bonded to the ship's ground system?

REF: NSTM 300-2 & APP H
MIL STD 1310
MIL-E-2036

Are computer surge suppressors of the approved type for shipboard use? Does the equipment reflect required PMS?

REF: NSTM 300-2
MIP 3000/001

Is equipment fed by more than one electrical source identified with multiple power source warning labels?

REF: NSTM 079-21
GSO 400 C

Are all emergency escape scuttles properly lit and marked with a stencil or placard "do not block or obstruct"?

REF: NSTM 079-21
GSO 602 J

Is rubber matting available or installed adjacent to electronic workbenches, equipment, and switchboards? Are installation standards IAW current directives? Are areas where portable matting is used appropriately outlined and stenciled "warning electrical grade mat required within marked line"?

REF: NSTM 300-4.8 & APP H
NSTM 634-3

Is portable electric equipment insulated and safety checked?

REF: PMS MIP 3000/001
NSTM 300-2

Are pressurized bottles stored IAW NSTM 670 vol 2? Is each individual cylinder grade b shocked mounted?

REF: NSTM 670 VOL 2
GSO 671

Are EEBDs located to be easily accessible in an emergency? Are EEBDs mounted correctly? Are EEBDs properly stenciled with photoluminescent paint or strips?

REF: NSTM 079-21

Is access to power panels restricted by installation of equipment/furniture or by stowage of materials? Are power panel doors removed from distribution panels located in normally manned spaces?

REF: NSTM 300-2

Is electronic equipment protected so that fluids will not spray, drip, splash, or be blown into them?

REF: NSTM 300-4

Are all protective enclosures kept closed when work is not in progress? Does work in progress reflect safe work habits?

REF: NSTM 300-2

For equipment cooling systems, does the coolant pump and supplied equipment show evidence of routine PMS accomplishment? (I.E. Temp and pressure gauges in calibration, absence of leaks, no broken or missing equipment, intact preservation system with no signs of rust or corrosion, etc.)

REF: PMS MIP 5321 SERIES
PMS MIP 5362 SERIES
NSTM 505-1
NSTM 532-4

Is the coolant system properly outfitted/equipped with sight flow meters, demineralizer, 2 or 3 way temperature-regulating valves, salinity indicator and loss of flow alarms?

REF: NSTM 532-2
MIP 5321 SERIES
MIP 5362 SERIES

Are all valve hand wheels properly color-coded?

REF: NSTM 505-7

Are valve and piping flanges in seawater systems free of ferrous fasteners?

REF: NSTM 505
GSO 075

Are alarms placed in Standby or Cutout on ICSM panels and do not have a Temporary Standing Order (TSO) attached?

Ref: COMNAVSURFPAC/COMNAVSURFLANTINST 3540.3B Chapter 3 Section 3
Paragraph 3301.e.4

Are Battle Lanterns operational?

REF: MIP 6641/004 SERIES

Are portable CO2 extinguishers within periodicity?

REF: MIP 6641/004 SERIES

NSTM 555-4.2

Are portable PKP extinguishers within periodicity?

REF: MIP 6641/004 SERIES

NSTM 555-4.1

Are gages within periodicity?

REF: Ships Calibration Requirements List (CRL).