

ANNUAL SMALL BOAT EVALUATION/SMALL BOAT EXAMINATION

Instructions

Annual Small Boat Evaluation (ASBE) is an inspection conducted by Vessel Operations Coordinator (VOC), Commanding Officer (CO), or designee(s). All boats shall be inspected annually.

- The ASBE checklist has been condensed from the detailed ASBE outline for use with motorized Class A, I or II vessels. Evaluators shall use the checklists during the inspection, and shall refer to the outline for additional details as needed. Evaluators are responsible for all information contained within the ASBE outline.
 - NOTE: simple class A and I boats with portable outboard motors may use NF 57-19-05 instead of NF 57-19-01
- The ASBE outline and checklist are based on NAO 209-125, The NOAA Small Boat Standards and Procedures Manual (SBSPM), 46 CFR, 33 CFR, NFPA 302, MARPOL, ABYC standards and recommendations, United States Coast Guard (USCG) inspection criteria, and standard marine survey practices.

Small Boat Examination (SBEX) is an examination conducted by the Small Boat Program or a certified Marine Surveyor. Class A and I boats shall be examined every three (3) years and Class II boats shall be examined every two (2) years.

- Some items may not apply to all boats. Evaluators are responsible for determining applicability. Consult the SBSPM for equipment carriage requirements. Installed equipment in excess of requirements must be maintained to inspection standards.
- Completed evaluation checklists, reports, records of findings, and recommendations shall be signed by the evaluator or surveyor; signed and retained by the VOC. The completed evaluation should be uploaded into the Vessel Inventory Management (VIM) program and signed by the LOSBO.
- Contact the SBP Inspection Coordinator for additional guidance.

Inspection Type

<input type="checkbox"/> Annual Small Boat Evaluation (ASBE)	<input type="checkbox"/> Small Boat Examination (SBEX)
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Vessel Information

NAME of VESSEL		VESSEL OWNER	
VESSEL PRIMARY OPERATING AREA		VESSEL MISSION / PRIMARY USE	
NOAA HULL REGISTRATION NUMBER	HULL MATERIAL	HULL TYPE	
YEAR VESSEL BUILT	VESSEL MANUFACTURER	VESSEL MODEL	
YEAR ENGINE(S) BUILT	ENGINE(S) MAKE	ENGINE(S) MODEL	
TOTAL PROPULSION HORSEPOWER	FUEL TYPE	FUEL CAPACITY _____ Gallons	AC/DC POWER
LENGTH OVERALL (LOA) Feet _____ Inches _____	VESSEL BEAM Feet _____ Inches _____	VESSEL DRAFT Feet _____ Inches _____	VESSEL WEIGHT <input type="checkbox"/> estimate _____ Pounds <input type="checkbox"/> actual

Vessel Evaluation

EVALUATOR NAME	EVALUATION LOCATION	PRIOR EVALUATION DATE	EVALUATION DATE
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Task 1 – Required Documentation	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
1.1 Records of previous inspections and examinations				
1.2 Weight tracking log <u>REQUIRED FOR ALL NOAA VESSELS</u> (Note any newly installed equipment and/or modifications)				
1.3 Baseline and mission risk assessments complete and updated by VOC <u>REQUIRED FOR ALL NOAA VESSELS</u>				
1.4 Small Boat Operators Manual updated and complete (SBOM) <u>REQUIRED FOR ALL NOAA VESSELS</u>				
1.5 Records of vessel drills <u>REQUIRED FOR ALL NOAA VESSELS</u>				
1.6 Crew Qualification letters NF 57-19-04 for all operators/crewmembers <u>REQUIRED FOR ALL NOAA VESSELS</u>				
1.7 Vessel entered into Vessel Inventory Management System (VIMS) <u>REQUIRED FOR ALL NOAA VESSELS</u>				

Task 2 – Stability	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
2.1 Vessel operating in compliance with SBSPM Section 9, “Stability, Design, and Construction Considerations”				
2.2 Boat operating within defined operating capacity within the Small Boat Operations Manual (SBOM)				

Task 3 – Life Saving and Emergency Equipment	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
3.1 Personal flotation devices (PFDs) (number, type, condition, spare carbon dioxide cartridges, re-arm kits)				
3.2 Visual distress signals (number, type, condition, USCG approved)				
3.3 First-Aid kit and Bloodborne Pathogen kit (adequate, all items within expiration date, properly stowed, labeled)				
3.4 EPIRB/PEPIRB (registration, battery, hydro release, test)				
3.5 Secondary means of communication as required: Cell/satellite phone (check battery, test, operate)				
3.6 Emergency sound signal (condition, audible at 0.5 nm)				
3.7 Liferaft, readily accessible, hydrostatic release (if float free), serviced annually, sufficient capacity				
Class A and I only				
3.8 Emergency oars/paddles (condition)				
Class I and II only				
3.9 Ring buoy/cushion (condition)				

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Task 4 – Fire Protection	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
4.1 Portable fire extinguishers (number, type, expiry, condition, secured in bracket)				
Class I and II only				
4.2 Fixed system (installed IAW (VIB) 01-10, service report/ expiry, condition, indicators, instructions posted)				
4.3 Fixed system engine(s) automatic shutdowns tested, ventilation blower shuts down with engine shutdown				
4.4 Ventilation (vent ducts, bilge blower operation, duct hose and duct closures present and operational)				
4.5 Backfire flame arrestor, drip pan (non-outboard gas engines)				
4.6 Fire hazards minimized (excess combustibles removed, unnecessary flammables removed and stored ashore)				

Task 5 – Ventilation	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class I and II only				
5.1 Adequate in all interior spaces				
5.2 Water tank and other non-fuel tank vents (condition)				
5.3 Carbon monoxide detector installed in enclosed personnel spaces				

Task 6 – Navigation and Electronic Equipment	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
6.1 Very high frequency (VHF) radio (number, type, DSC, test, battery)				
6.2 Navigation lights (conform to current USCG Navigation Rules)				
6.3 Global positioning system (GPS) (test operate, check accuracy)				
Class I and II only				
6.4 Chart/chartlet or current electronic charts (covers operations area, current and corrected)				
6.5 Magnetic compass/electronic compass (good working condition)				
Class II only				
6.6 At least one fixed VHF radio has a Maritime Mobile Service Identity (MMSI) registration and integrated GPS				

Task 7 – Ground Tackle	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I (optional), and II (required)				
7.1 Anchor (anchor and rode condition, sufficient for operations)				
7.2 Bits, chocks, cleats (not broken or corroded)				
7.3 Releasing/retrieval equipment (condition, operable)				
7.4 Windlass/winch operational test				

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Task 7 – Ground Tackle (continued)	Satis- factory	Unsatis- factory	Not Applicable	Comments
7.5 Chain locker, hawse pipe, anchor platform (condition)				

Task 8 – Hull, Deck, Fittings and Watertight Integrity	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
8.1 Scuppers, freeing ports (unobstructed, correctly sized)				
8.2 Interior structure (open all accessible compartments (free of debris and standing water)				
8.3 Fiberglass hulls (delamination, blistering, moisture, cracks)				
8.4 Metal hulls (corrosion, pitting, deformation, fractures)				
8.5 Rigid-hulled inflatable boats (RHIBs) (collar condition, chamber integrity, relief valves, leaks)				
8.6 Lifting equipment (labeled with Working Load Limit (WLL), OSHA Quadrennial > 200 WLL, condition)				
Class I and II only				
8.7 Hinged watertight doors (tight seal, gasket condition)				
8.8 Watertight bulkheads (intact, watertight, penetrations)				
8.9 Deck openings and thru-hulls (gasket and dog condition)				
8.10 Windows (weather tight, operate freely, condition)				
8.11 Keel bolts, transducers, grounding plate, stabilizers				
Class II only (if installed)				
8.12 Remote control valves (operable, labeled, condition)				

Task 9 – Accommodation Spaces and Equipment	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class I and II only				
9.1 Heaters (thermal shut off, installation, condition)				
9.2 Air Conditioning units (installation, condition, capacity)				
Class II only				
9.3 Common and berthing spaces (condition, fire hazards, ventilation)				
9.4 Food <u>service</u> areas (sanitary, locking devices, condition)				

Task 10 – Marine Sanitation	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II (if installed)				
10.1 Toilet facilities (operable, sanitary)				
10.2 Manufacturer’s nameplate present on device				
10.3 Instructions and warnings posted				

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Task 10 – Marine Sanitation (continued)	Satis- factory	Unsatis- factory	Not Applicable	Comments
10.4 Chemical and sewage level indicators (operable)				
10.5 Verify loss of power does not allow discharge				
10.6 Verify vents free and open				
10.7 System components (installation, condition)				

Task 11 – Outboard Engines	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II (if installed)				
11.1 General condition (damage, excessive oil, dirt, corrosion)				
11.2 Belts and filters (condition, filters replaced annually, dated)				
11.3 Oil (condition, level, test if needed)				
11.4 Lower unit (general condition, damage, oil changed annually or 100 hrs)				
11.5 Engine horsepower within limits listed on capacity plate and documented in SBOM and weight tracking log				
11.6 Throttle has noticeable detent when shifted into neutral, start in gear protection, engine kill lanyards				
11.7 Engine controls, gauges, indicators (function normally)				
11.8 Operational test (all gears and speeds)				

Task 12 – Inboard Engines	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class I and II (if installed)				
12.1 General condition (damage, excessive oil, dirt, corrosion)				
12.2 Belts and filters (condition, filters replaced annually, dated)				
12.3 Engine oil (condition, level, test if needed)				
12.4 Hydraulic oil (condition, level, test if needed)				
12.5 Cooling system (piping, hoses, strainers, filters, clamps)				
12.6 Coolant (condition, level, mixture, test if needed)				
12.7 Exhaust system (piping, lagging, leaks, corrosion, proximity to combustibles)				
12.8 Fuel piping, hoses and fittings (leaks, chafing, condition)				
12.9 Engine foundation (fatigue, stress fractures, flexing)				
12.10 Intakes and vents (unobstructed, clean, screened)				
12.11 Machinery guards (installed over exposed gears, belts or other rotating machinery)				

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Task 12 – Inboard Engines (continued)	Satis- factory	Unsatis- factory	Not Applicable	Comments
12.12 Starter wiring (supported, chafing, proximity to moving parts, positive terminals/connections booted)				
12.13 Seacocks and strainers (unobstructed, operable)				
12.14 Transmission fluid (level, condition)				
12.15 Controls and indicators (operate normally, condition)				
12.16 Alternator (marine type, cleanliness, belt tension and condition, connections free of corrosion and tight)				
12.17 Engine shutdown at operators console (test operate)				
If boat is straight inboard				
12.18 Propeller and shaft (prop free of damage, shaft cracks, wear, seals/stuffing box)				
If boat is Inboard/Outboard (including jets)				
12.19 Propeller - Jet impeller, lower unit, boot or jet drive, bucket(s) (condition, damage)				
If boat is outboard				
12.20 Propeller and Tilt/prop free of damage, trim motor operational				

Task 13 – Fuel System	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
13.1 Integral fuel tank (condition, fill hoses double clamped)				
13.2 Flexible non-metallic hoses (approved type, condition, IAW ABYC H-24, H-32)				
13.3 Fuel gauging (appropriate method, gauge, graduated ruler)				
13.4 Tank vents and fuel supply shut-off valves (unobstructed, labeled, operate properly)				
13.5 Filters (replaced at least annually, dated or recorded)				
13.6 All tanks and pipes bonded to common ground (independent integral tanks)				

Task 14 – Steering System	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
14.1 Foundations/mounting bolts (condition, intact, secure)				
14.2 Control linkages, linkage pins, ram guides (condition)				
14.3 Potential single point system failure items (condition)				
14.4 Locking devices (e.g., cotter pins) on all vital connections				
14.5 Seal condition, reservoir level, steering system play				
Class I and II only				
14.5 Pipes, runs, and brackets subject to vibration damage				

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Task 14 – Steering System (continued)	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class II only				
14.6 Emergency steering procedure if single engine inboard				
14.7 Rudder (stock, bearing, support, packing, wear, leakage)				
14.8 Motor controller and gear boxes (wiring, condition)				
14.9 Pumps, motors, and couplings (condition, excess play)				
14.10 Hydraulics (hoses, connections, reservoir full)				

Task 15 – Bilge System	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class I and II only				
15.1 All standing water drains to bilge suction(s)				
15.2 Pump strainers (good condition, unobstructed, bilge space clean)				
15.3 Bilge pumps installed in bilges with thru-hull openings below the waterline or compartments with non-watertight decks				
15.4 Bilge pumps installed IAW ABYC H-22				
15.5 Remote pump actuators (test operate, condition, indicator light for auto operation)				
15.6 Oily water separator filter (dated, changed at least annually)				
15.7 Independent drain valves for watertight bulkheads kept closed and location labeled (if installed)				
15.8 Test bilge pump operation with water				
Class II only				
15.9 High bilge level alarms, float switches (test operate, audible and visual alarm, sensor unobstructed)				

Task 16 – Potable Water System	Satis- factory	Unsatis- factory	Not Applicable	Comments
16.1 Entire system operable and in good repair				
16.2 Filling hose (designated, labeled, storage)				
16.3 Vents (screened, not near contaminants, unobstructed)				
16.4 Tanks (designated, clearly marked, maximum allowable water pressure not exceeded)				
16.5 Pressure system (pump, air fittings, condition)				
16.6 Housekeeping around all components is adequate				

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Task 17 – Electrical System	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
17.1 Cables and wires (damage, condition, discoloration)				
17.2 Cable and wire supports (condition, do not cause chafing)				
17.3 No permanent “temporary” solutions (e.g., extension cords)				
17.4 Shore power connection and cable (condition, damage)				
17.5 Switchboards, junction boxes, panels, and inverters				
17.6 Switches, breakers, and fuses (labeled, condition)				
17.7 Over current devices accurately identified				
17.8 Distribution points (ventilated, shielded from water and debris)				
17.9 Instrumentation (meters) (working, calibrated)				
17.10 Controls and meters (working, accurately labeled)				
17.11 Batteries (condition, damage, corrosion, ventilated)				
17.12 Battery terminals (connections secure, terminals covered, 4 wires maximum attached to either terminal)				
17.13 Battery trays (resistant to electrolyte, condition)				
17.14 Ventilation (sufficient to dissipate charging gases)				
17.15 Inverter components (marine type, grounded, wire size)				
Class I and II only				
17.16 Drip shields (present, good condition)				
17.17 Lighting system (each light is protected by a lens or guard)				
17.18 Outlets (properly grounded and covered/watertight)				

Task 18 – Generator	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
18.1 General condition (damage, excessive oil, dirt, corrosion)				
18.2 Belts and filters (condition, filters replaced annually, dated or records provided)				
18.3 Exhaust system (piping, lagging, leaks, corrosion)				
18.4 Compartment adequately ventilated, dry as possible				
18.5 Oil (condition, level, test if needed)				
18.6 Cooling system (coolant level, coolant mix, piping, gaskets)				

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Task 18 – Generator (continued)	Satis- factory	Unsatis- factory	Not Applicable	Comments
18.7 Voltmeter, ammeter (if ≥ 50 volts, verify operation)				
18.8 Frequency measuring device (verify operation)				
18.9 Over current protection device rated at <115% full load				

Task 19 – Markings	Satis- factory	Unsatis- factory	Not Applicable	Comments
Class A, I, and II				
19.1 Boat is marked in accordance with SBSPM Section 13, “Visual Identification and Registration”				

Task 20 – Validation			
20.1	EVALUATOR NAME	SIGNATURE	DATE
20.2	VOC/CO NAME	SIGNATURE	DATE
20.3	LOSBO NAME	SIGNATURE	DATE

Comments: List all Category 1 deficiencies in the space below. Use the listing of common Category 1 deficiencies in VIB 02-10 for reference located in the SBP Website.

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Additional Comments: List all Category 1 deficiencies in the space below. Use the listing of common Category 1 deficiencies noted on SBP Website for a reference.