

Table 20.3.: Operation and Management of Marinas

ITEMS	REQUIREMENTS
1. MARINA MANAGEMENT AND OPERATOR'S RESPONSIBILITY	<u>4. VESSEL REPAIR, MAINTENANCE AND RE-FUELING WORKS</u>
	<ul style="list-style-type: none"> xv. Welding, brazing, soldering, and metal cutting operations shall be performed in a shop specifically provided for the purpose or in an open area. xvi. Such shop, including its flooring, shall be of noncombustible or fire-resistive construction. xvii. Combustibles shall be kept at an approved distance away from the shop or area. xviii. When welding or metal cutting in or on a boat, the following precautions shall be taken <ul style="list-style-type: none"> a Before operations are started, a fire watch equipped with applicable fire extinguishers shall be established. b Removable combustible materials in proximity to hazardous repair work shall be moved to a safe location aboard or ashore. c Noncombustible material or approved flameproof tarpaulins shall be used to protect combustible materials that cannot be moved. d Combustible vapor and flammable liquid shall not be in the hot work area. e Means shall be provided to prevent sparks from passing through openings, such as hatches, ports and tank openings. f Noncombustible material, approved flameproof tarpaulins, or metal shields shall be set around the work in progress to restrict the travel of sparks to other areas. g Before welding or metal cutting is begun on decks or bulkheads, personnel shall inspect conditions on the opposite side thereof and shall determine that the operations will not cause damage by heat or fire. h Fuel tanks shall be safeguarded to prevent vapors from creating a fire hazard.
	<u>5. HOUSEKEEPING</u>
	<ul style="list-style-type: none"> i. The marina shall be kept clean all the time, free of vegetation, garbage, discarded plastics, debris, waste materials and combustibles. ii. Debris and waste materials shall be kept in metal containers and removed or emptied at sufficiently frequent intervals to prevent dangerous accumulations.
	<u>6. RISK ASSESSMENT AND EVALUATION</u>
	<ul style="list-style-type: none"> i. It is the marina management's responsibility to conduct a comprehensive fire risk assessment of the new, existing and under construction marinas to identify the fire risks, non-compliances and safety violations. ii. The marina management shall upgrade their marinas, fire fighting equipment, fire fighting systems, operating procedures, training of the staff, emergency action plans and life safety systems to comply with this code by the end of year 2018.