

NAVSEA
STANDARD ITEM

FY-11

ITEM NO: 009-108
DATE: 19 JUL 2007
CATEGORY: I

1. SCOPE:

1.1 Title: Aircraft Carrier Requirements for Mooring, Entry to, Movement within, and Departure from Contractor's Facility; accomplish

2. REFERENCES:

- 2.1 845-6686999 Rev E, US Navy Vessel Water Depth, Mooring and Hull/Appendage Clearance Requirements for Transit and Berthing
- 2.2 DDS 582-1, Design Data Sheet, Calculations for Mooring Systems
- 2.3 S9086-TW-STM-010/CH-582, Mooring and Towing
- 2.4 UFC 4-159-03, Mooring Design

3. REQUIREMENTS:

3.1 Channels, berth, and mooring shall comply with 2.1 and 2.2, using 2.3 and 2.4 for guidance. Turning basin shall meet the requirements of 2.1 unless physically impossible, in which case turning area shall meet all other clearance requirements specified in this item.

3.1.1 Minimum water depth shall be maximum draft plus 6 feet minimum at mean low water. List and trim effects shall be considered to determine the 6-feet minimum.

3.1.1.1 The approach channel, vessel turning area, and berth/pier shall be clearly marked with channel markers in areas where the 6-feet minimum does not extend beyond the minimum approach channel, vessel turning area, and berth/pier requirements specified in 2.1.

3.1.1.2 Install temporary fixed reference points at each end of the approach channel and berth. The reference points shall mark the center of the approach channel and berth.

3.1.1.3 The 6-feet minimum shall be for the duration of time at a berth/pier.

3.2 Maintain a minimum of 4 feet between the highest point on the ship and overhead projections at mean high water.

3.3 Maintain a minimum horizontal clearance of 17 feet 6 inches between each side of the ship's extreme beam (35 feet total) and any fixed structures such as bridges.

3.4 Submit one legible copy, in electronic media, of a report listing results of the requirements of 3.1 through 3.3 to the SUPERVISOR 15 days prior to availability start date.

4. NOTES:

4.1 This item is for all aircraft carriers for all conditions, including "dead stick" (towed) conditions that enter into a contractor's facility.