



DEPARTMENT OF THE NAVY
COMMANDER MILITARY SEALIFT COMMAND
 914 CHARLES MORRIS CT SE
 WASHINGTON NAVY YARD DC 20398-5440

REFER TO:

COMSCINST 9997.1A
 N7
 16 March 2005

COMSC INSTRUCTION 9997.1A

Subj: DRYDOCK STANDARDS FOR MSC SHIP AVAILABILITIES

Ref: (a) MIL-STD-1625C, Safety Certification Program for Dry-docking Facilities and Shipbuilding Ways for U. S. Navy Ships

Encl: (1) N7-001, Dry-dock Evaluation Procedure

1. Purpose. To provide a Military Sealift Command (MSC) standard for evaluating dry docks.
2. Applicability. This policy applies to all MSC Government-owned ships.
3. Cancellation. This instruction cancels COMSCINST 9997.1.
4. Policy. USNS ships that require dry-docking shall be dry-docked in a facility that meets one of the following criteria:

a. Is under current certification by Naval Sea Systems Command (NAVSEA) in accordance with reference (a).

b. Is under current classification by a member of the International Association of Classification Societies (IACS).

c. Is under current certification by an independent third party engineering firm recognized by the American Bureau of Shipping as capable of performing dry-dock design reviews which determines that the dry dock planned for dry docking the ship named in the solicitation:

(1) Is in acceptable material condition.

(2) Has effective emergency response systems and plans.

(3) Is safe and capable of dry-docking the intended ship and that the ship does not exceed the dry-docks dimension rating, maximum entry draft, maximum lift capability, maximum linear load rating.

(4) Has a successful historical record in dry-docking ships.

(5) Has provided an incident history and claim information covering the last five years from the insurer of the dry dock facility including incident dates, description, and final disposition.

(6) Can provide the minimum clearance between the ship's keel and dry-dock flooring as required in the work item for the ship named in the solicitation.

(7) Has a detailed procedure for docking and undocking.

d. Is determined by Command engineering staffs with technical expertise in dry-dock surveying that the dry-dock has the required capability and services for supporting the ship named in the solicitation, has emergency response and safety plans, has dry-docked a ship of equal or greater tonnage no more than 6 months before the date of the solicitation and if no accidents or incidents (including acts of God) which may compromise the integrity and safety of the dry-dock have occurred.

5. Action. The procedure in enclosure (1) shall be adhered to for evaluating dry-dock safety and capability for MSC ships.

/S/
H. G. BLACKWOOD

Distribution:

COMSCINST 9997.1A

List I (Case A, B, C)

SNDL 41B (MSC Area Commanders)
41C (MSC NFAF East/West)
41D (MSC Offices)
41E (APMC)
41M (TAGOS Project Office)

**MILITARY SEALIFT COMMAND'S
ENGINEERING PROCEDURES MANUAL**

Drydock Evaluation

1. PURPOSE

To provide the procedure for evaluating drydocking facilities.

2. APPLICABILITY

This procedure applies to Government-owned MSC ships and provides the implementation process for COMSCINST 9997.1A.

3. PROCEDURES

3.1 For availabilities on Government-owned/Government-operated MSC ships requiring drydocking, Contracting Officers shall:

a. Complete the shaded portion of attachment (1) and include it in the solicitation.

b. Establish attachment (1) as an evaluation factor for determining an offeror's technical acceptability.

c. Require that offerors include a completed attachment (1) with their proposal submission.

d. Inform all prospective contractors that MSC reserves the right to accomplish a thorough drydock survey either by MSC personnel or by an independent third party to support their evaluation of the drydock planned for drydocking the ship named in the solicitation. This is in addition to evaluating the information and data submitted by the offeror through attachment (1).

e. Award a contract requiring drydocking only after the Program Manager has reviewed information and data submitted by the offeror through attachment (1) and has determined that it is technically complete and that current drydock certification or past drydock history indicates that the drydock is acceptable for drydocking the ship named in the solicitation.

3.2 For Contract Operated ships, the Contract Operator shall:

a. Complete the shaded portion of attachment (1) and include it in the solicitation.

b. Establish attachment (1) as an evaluation factor for determining an offeror's technical acceptability.

c. Require that offerors include a completed attachment (1) with their proposal submission.

d. Inform all prospective contractors that MSC reserves the right to accomplish a thorough drydock survey either by MSC personnel or by an independent third party to support their evaluation of the drydock planned for drydocking the ship named in the solicitation. This is in addition to evaluating the information and data submitted by the offeror through attachment (1).

3.3 The Program Managers shall:

a. Verify that current and readable drydocking plans are supplied to prospective Contractors.

b. Complete the applicable portions of attachment (1) and ensure that it is included in the Source Selection Plan, if applicable before the solicitation is released.

c. Evaluate the technical capability and acceptability of all offerors based on proposal evaluation criteria which include data submitted in accordance with this instruction.

3.4 The Engineering Directorate (N7) shall:

a. Coordinate policy and procedure changes to drydock requirements and standards.

b. Ensure that the MSC technical library has current and readable drydocking plans available for all ships.

c. Provide technical assistance to Program Managers in evaluating offeror submissions relative to the review of data submitted in accordance with this instruction or in providing drydock survey support if requested.

4. RECORDS & REPORTS

4.1 MSC Drydock Evaluation Form

a. REFERENCES: COMSCINST 9997.1A

b. DEFINITIONS: None.

c. REVISIONS

Original ***** (date)

Ship name:

Hull No:

PART A (to be completed by MSC)

Ship Characteristics

	<u>English measure</u>		<u>Metric measure</u>
Length, overall	ft	in	0.0 m
	-		
Breadth, molded	ft	in	0.0 m
	-		
Draft, summer load line	ft	in	0.0 m
	-		
Gross Tonnage (U. S.)	To ns		
Displacement, Full Load	LT		0.0 MT
<u>Minimum Displacement/Draft</u>			
Displacement	LT		0.0 MT
Draft - forward	ft	in	0.0 m

**PART B (to be completed by ALL shipyards)
Drydock Certification / Classification Info**

Shipyard name

Drydock No.

Drydock Type Graving Floating
 Marine Railway

Certified? Yes No

Certifying / Classifying Agency

Certificate No.

Date of expiration

Provide date in English and Metric Units:

Drydock Characteristics

Length, overall ft-
in m

Breadth ft-
in m

Maximum drydock lift capability LT MT

Maximum entry draft LT MT

COMSCINST 9997.1A

Draft - aft - ft in 0.0 m

Max stern trim for graving dock - ft in 0.0 m

Anticipated Arrival Draft

Draft - forward ft 0 in 0.0 m

Draft - aft ft 0 in 0.0 m

Positioning Clearances

Bottom: keel to drydock floor ft 0 in 0.0 m

Side: hull to drydock wall ft 0 in 0.0 m

rating:

Water depths around dock area and approaches, tidal conditions, and any unusual conditions for entering/leaving the drydock. ft- in m

Depth Over Floor ft- in m

Depth Over Blocks ft- in m

Depth Over Sill ft- in m

COMSCINST 9997.1A

Loading Pressures

Max block loading LT per sq. 0.0 MT per
ft. sq mtr

Note: All blocks to be positioned under longitudinal strength members and transverse bulkheads.

Blocking Requirements

Construction

Cap material
Cap thickness (min)
Side blocks (e.g., shaped, wedged, etc.)

Hardwood: White Oak, California Laurel, Oregon Myrtle, Iron bark,
Blue Gum, American Rock Elm or Preserved Red Oak.

Softwood: Douglas Fir, Tamarack, Long Leaf Pine or Hemlock

PART A (to be completed by MSC)

Minimum Required Services

Electrical power

AC volts VAC
number of phases
amperage (total) amps
frequency Hz
number of lines

Ground connections

number
cable size, each cir mils

Max Block Loading Capability

Block Capability

LT/ft² LT/m²

Keel & Side Block Information

Construction
Cap Material
Cap Thickness

Construction			
Cap Material			
<input type="text"/>	in	<input type="text"/>	cm
Block Age			
<input type="text"/>	ft-in	<input type="text"/>	m
<input type="text"/>	ft-in	<input type="text"/>	m
<input type="text"/>	ft-in	<input type="text"/>	m

Height

Width

Length

PART B (to be completed by ALL shipyards)

Provide data in English and Metric units

Minimum Available Services

Electrical power

AC volts VAC
number of phases
amperage (total) amps
frequency Hz
number of lines

Ground connections

number

Sewage connections
 number
 pipe size
 capacity

inch ips
 gals per day

0 liters per day

Fire Main
 number of connections
 connection size
 pressure
 capacity

inch ips
 psig
 gals per min

0.0 kg per sq cm
 0 liters per min

Aux Seawater
 pressure
 capacity

psig
 gals per min

0.0 kg per sq cm
 0 liters per min

cable size, each

cir mils

Sewage connections
 number
 pipe size
 capacity

inch ips
 gal/day

cm
 ltr/day

Fire Main
 number of connections
 connection size
 pressure
 capacity

inch ips
 psig
 gpm

cm
 kg/m²
 ltr/min

Aux Seawater
 pressure
 capacity

psig
 gpm

kg/m²
 ltr/min

Attachment 1 - MSC DRYDOCK EVALUATION FORM

Fresh Water
pressure psig 0.0 kg per
sq cm
capacity LT per day 0 liters
per min

Compressed Air
pressure psig 0.0 kg
per sq cm
capacity cu ft per
min 0 kg per
hour

Shore Steam
pressure psig 0.0 kg per
sq cm
capacity lbs per
hour 0 kg per
hour

High Pressure Water
Wash pressure psig 0.0 kg per
sq cm

Safety Response Plans
Required

Firefighting	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Flooding (accidental)	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Earthquake	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Typhoon	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>

Fresh Water
pressure psig kg/m²
capacity gpm ltr/min

Compressed Air
pressure psig kg/m²
capacity cfm ltr/min

Shore Steam
pressure psig kg/m²
capacity lb/hr kg/hr

High Pressure
Water Wash
pressure psig kg per
sq cm

Safety Response Plans
Available (circle correct
answer)

Firefighting	Yes	No
Flooding (accidental)	Yes	No
Earthquake	Yes	No
Typhoon	Yes	No

COMSCINST 9997.1A

Enclosure (1)

Enclosure (1)

PART C (to be completed by Shipyard if drydock is not certified by IACS or under MIL STD 1625C)

Dockmaster info

Contractor name

Dockmaster name

Certifying Agency

Certificate No.

Years experience

	1. The
	2. The

PART D (to be completed by ALL Shipyards)

The Offeror shall provide a list of the vessels (and their principal characteristics) drydocked in this drydock over the past 2 years. (Attach a separate page)

The Offeror shall describe the nature and cause of accidents experienced by the shipyard in drydocking operations over the past 5 years. The Offeror shall describe corrective action taken or practices implemented to prevent recurrence of accident. (Attach a separate page)

Drydock

Insurance Info

Is Drydock insured?

Yes

No

Insurer

Policy No.

Amount Insured

Date of

expiration

I hereby certify that the above

information is true and accurate.

Name and Title of Shipyard Official

Signature of Shipyard Official

Date

COMSCINST 9997.1A

Enclosure (1)