

ART 4.5.2.2 Construct Over-The-Shore Facilities

Provide construction, repair, and maintenance support to logistics over-the-shore operations.
 Construct piers and causeways. Prepare and stabilize beaches.
 Construct access and egress routes. Provide access to marshalling and storage areas and adjoining logistics over-the-shore sites, which may also need constructing. Provide road and rail links to existing lines of communications. Construct utility systems and petroleum, oils, and lubricants storage and distribution systems. (FM 5-480) (USAES)

NO.	Scale	Measure
01	Yes/No	An inability to construct or maintain over-the-shore facilities within the time the construction directive specifies did not degrade or delay unit operations.
02	Yes/No	Unit developed detailed plans for project.
03	Yes/No	Unit inspected over-the-shore facility projects for quality control and ensured that the project was completed on time.
04	Yes/No	Environmental considerations planning and procedures were present and being followed.
05	Time	To reconnoiter to determine how the local environment will affect over-the-shore facilities construction and determine if existing facilities or natural resources are available near the construction or maintenance site. This includes determining terrain features and their effect on the project; environmental considerations; problems involved in traveling to and from work site; what will be needed to keep the job site drained before, during, and after construction; and soil type and effort required to allow vehicle traffic and construction.
06	Time	To review available information in construction directive, intelligence reports, and site

		investigation to develop an operation plan or order.
07	Time	To plan the over-the-shore facility project. This includes construction estimate, construction directive, and quality control.
08	Time	To prepare a construction estimate for the over-the-shore facility. This includes preparing a project activity list and a construction sequencing network; preparing material, equipment, or personnel estimates; determining work rates for activities; and preparing critical path.
09	Time	To prepare construction directive for the over-the-shore facility and issue it to the construction unit. Directive states the exact assignment, project location, and start and completion times; specifies additional personnel, equipment, and materials available; prioritizes the entire project; and specifies type and frequency of construction reports, time needed for special procurement, and coordination instructions with user agency.
10	Time	To coordinate additional personnel, equipment, and critical items.
11	Time	To monitor construction and perform quality assurance inspections.
12	Time	To perform final inspection of finished over-the-shore facility and turn it over to the user.
13	Time	For building and maintaining over-the-shore facilities.
14	Time	That scheduled arrivals in the area of operations (AO) are delayed (on average) due to interruptions in the construction and maintenance of over-the-shore facilities by combat actions or natural disasters.
15	Percent	Of difference between planned and actual requirements for the construction or maintenance of over-the-shore facilities in the AO.
16	Percent	Of force that becomes casualties due to enemy action or accidents during the construction or maintenance of over-the-shore facilities.

17	Percent	Of increase in the throughput capability of a surface port due to the construction or maintenance of over-the-shore facilities.
18	Percent	Of planned construction or maintenance capability for over-the-shore facilities completed in AO.
19	Percent	Of personnel in AO required for building and maintaining over-the-shore facilities.
20	Percent	Of over-the-shore facilities in the AO damaged by enemy fire or natural disaster.
21	Percent	Of over-the-shore facilities in AO that can be used in their current condition.
22	Percent	Of unit operations degraded, delayed, or modified in AO due to an inability to use existing over-the-shore facilities.
23	Percent	Of over-the-shore construction or repair capability provided by host nation.
24	Percent	Of existing over-the-shore facilities improved in AO.
25	Percent	Of existing logistics over-the-shore facilities connected to existing roads, pipelines, or railroads.
26	Percent	Of supplies lost or destroyed during logistics over-the-shore offload activities in the AO.
27	Number	Of over-the-shore facilities in the AO requiring construction or maintenance.
28	Number	And types of over-the-shore facilities such as piers, causeways, and marshaling or storage sites constructed or improved in the AO.
29	Number	And types of over-the-shore facilities in the AO damaged by enemy fire or natural disaster.
30	Number	Of meters of piers, causeways, and beaches constructed, improved, or stabilized in the AO within a given time.
31	Number	Of instances of delays in scheduled arrivals due to the destruction or damage of over-the-shore facilities in the AO by combat actions or natural disaster.
32	Number	Of instances that troop movement or sustaining operations were prevented due to an inability to use over-the-shore facilities.

33	Number	Of port facility inspections performed per month in the AO.
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Supporting Collective Tasks:

Task No.	Title	Proponent	Echelon
05-3-5800	Construct Harbor Craft Fueling Facilities	05 - Engineers (Collective)	Platoon