

ART 4.5.1.2 PROVIDE FACILITIES ENGINEER SUPPORT

This ART covers how units sustain military forces in theater by providing waste management and constructing, managing, and maintaining bases and installations. ART 4.5.1.2 includes the design of facilities. (FM 3-34) (USAES)

NO.	Scale	Measure
01	Yes/No	The provision of facilities engineering support did not cause the abandonment, modification, or delay in execution of the unit's chosen course of action.
02	Yes/No	Unit constructed facility systems to plan specifications within allotted time.
03	Yes/No	Facility engineering systems safeguarded the health of Soldiers and noncombatants in the area of operations (AO).
04	Yes/No	Unit had environmental considerations planning and procedures in place and followed planning and procedures.
05	Time	To refine facilities engineering support program in the AO.
06	Time	To evaluate the site for suitability and conditions, identify construction problems and possible courses of action, and update or revise the engineer estimate.
07	Time	To prepare construction directive for facility engineering support facilities and issue it to the construction unit. This 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.
08	Time	To coordinate for and receive engineer assets to perform facility engineer task.
09	Time	To monitor construction and perform quality assurance inspections.
10	Time	To verify accuracy of construction plans and

		specifications to include ensuring the bill of materials includes all required materials to complete construction.
11	Time	To design new construction requirements.
12	Time	To manage and administer facilities engineering program in the AO.
13	Time	To develop guidance for acquiring, managing, and disposing real estate in the AO.
14	Time	To complete environmental baseline surveys on real estate being considered for acquisition or use by U.S. forces.
15	Time	To inventory installed and personal property located on installations.
16	Time	To maintain facility engineering records.
17	Time	To complete legal and environmental reviews of real estate transactions in the AO.
18	Time	To develop a system for submitting real estate claims in the AO.
19	Percent	Of real estate required to conduct and support unit operations acquired.
20	Percent	Of required real estate and facilities provided by the host nation.
21	Percent	Of difference between planned and actual requirements for facilities engineering in the AO.
22	Percent	Of planned facilities acquired or constructed in the AO.
23	Percent	Of required facilities provided by the host nation.
24	Percent	Of existing facilities modernized in the AO.
25	Percent	Of existing facilities that unit can use in current condition.
26	Percent	Of existing facilities damaged by combat actions or natural disaster.
27	Percent	Of nonbattle injuries and disease in the AO attributable to inadequate facility engineer support.
28	Percent	Of each utility's (water, wastewater, power, and natural gas) reliability factor in each base camp.
29	Number	Of kilograms or liters and types of waste, refuse, and hazardous materials produced per day in the AO.
30	Number	And types of facilities constructed or acquired to support unit operations.

Supporting Collective Tasks:

Task No.	Title	Proponent	Echelon
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