

ART 4.1.1.6 Repair Equipment

Restore an item to serviceable condition by correcting a specific failure or unserviceable condition. These items include but are not limited to tactical and combat vehicles, aircraft, marine equipment, and information systems. ART 4.1.1.6 includes testing and checking equipment; adjusting, aligning, and repairing components and assemblies; repairing and modifying defective end items; replacing components and assemblies; removing and replacing piece parts; and marking and painting equipment. ART 4.1.1.6 also includes systems calibration, installation of modification work orders, and preventative replacement of parts before they can fail. (FM 4-30.3) (CASCOM)

NO.	Scale	Measure
01	Yes/No	The time necessary to repair unit equipment did not take more than five percent longer than the sum of time necessary to recover the equipment to a maintenance site; diagnose equipment faults; order, obtain, and install replacement parts; and test and check repaired equipment.
02	Yes/No	Repairs were completed with environmental considerations?to include petroleum, oils, and lubricants products, chemical-agent-resistant coating, or other types of paint?and force protection.
03	Time	To obtain replacement parts.
04	Time	To repair equipment.
05	Time	Of average equipment downtime.
06	Time	Of turnaround for repair and return of critical combat equipment.
07	Time	To determine reason why equipment is malfunctioning.
08	Percent	Of equipment faults diagnosed correctly.
09	Percent	Of average equipment downtime.
10	Percent	Of time-phased force and deployment data maintenance units deployed and operational.
11	Percent	Of equipment deadlined for maintenance.
12	Percent	Of equipment deadlined for supply.
13	Percent	Of equipment failures successfully repaired.
14	Percent	Of damaged equipment salvaged.
15	Percent	Of maintenance capability provided by host nation.

16	Percent	Of unit maintenance capability diverted to other requirements.
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Supporting Collective Tasks:

Task No.	Title	Proponent	Echelon
01-1-8106	Coordinate Aircraft Battle Damage Assessment and Repair (BDAR)	01 - Aviation/Aviation Logistics (Collective)	Battalion
01-2-7016	Perform Helicopter Armament Repairs and Inspections in an Aviation Support Company/Troop (ASC/T)	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-7730	Maintain Helicopters in an Aviation Support Company/Troop (ASC/T)	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8058	Coordinate Production Control and Aviation Maintenance Functions	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8059	Coordinate Production Control Procedures and Priorities of Aviation Assets	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8060	Coordinate Operational Readiness Reporting and Aircraft Availability	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8063	Coordinate Component Repair Platoon Aircraft Maintenance Actions	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8064	Coordinate Airframe Repair Platoon Aircraft Maintenance Actions	01 - Aviation/Aviation Logistics (Collective)	Company

01-2-8065	Perform Aircraft Battle Damage Assessment and Repair (BDAR)	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8066	Perform Downed Aircraft Recovery Missions	01 - Aviation/Aviation Logistics (Collective)	Company
01-4-0362	Perform Ground Vehicle Unit-Level Maintenance	01 - Aviation/Aviation Logistics (Collective)	Section
43-2-4508	Perform Combat Repair Team Functions	43 - Maintenance (except missile) (Collective)	Company
44-4-3414	Provide Communications Support	44 - Air Defense (Collective)	Section