



Condition Based Maintenance Plus DoD Guidebook

May 2008

CBM+ Implementation

Service representatives from the CBM+ Action Group (AG) developed a guidebook to be an information reference as well as a starting point to assist in CBM+ project development, implementation, and execution. The guidebook will be updated at intervals with new CBM+ information. It is available online at the Assistant Deputy Under Secretary of Defense for Maintenance Policy and Programs (ADUSD[MPP]) website.

Service CBM+ Policies

The goals of CBM+ are to develop more effective and efficient maintenance plans and programs; implement an optimum mix of maintenance technologies, processes and enablers; and proactively maintain weapon systems in order to minimize unscheduled repairs and reduce scheduled maintenance activity.

CBM+ Action Group

The AG was established by ADUSD(MPP) to lead the development of CBM+ in OSD and across the Services through a collaborative effort. AG activities include policy revision, Service plan review, project coordination, and sharing of information. AG members are from the Army, Navy, Air Force, Marine Corps, Defense Logistics Agency, and Joint Staff.

The AG establishes working integrated product teams (WIPTs) to pursue specific CBM+ initiatives on a short-term basis.

- + Reliability Centered Maintenance
- + Sustainment Technology
- + Serialized Item Management
- + Joint Oil Analysis Program

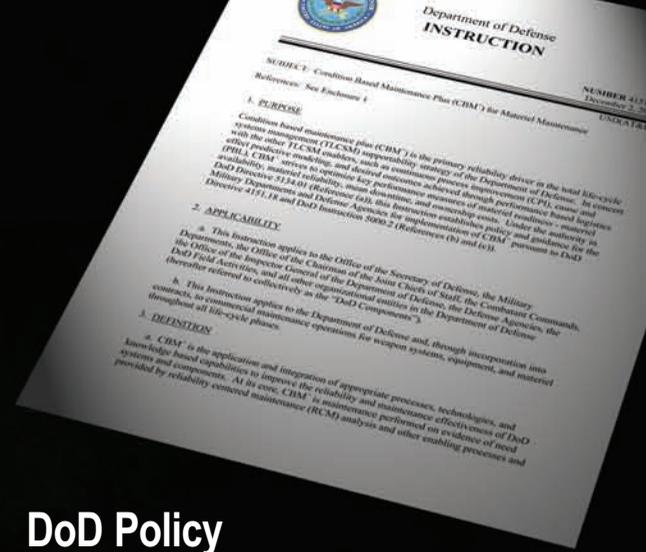
For CBM+ information go to <http://www.acq.osd.mil/log/mpp/CBM+.html>

Contact the CBM+ Action Group at 703-697-7980 or DSN 227-7980



Condition Based Maintenance Plus

CBM+



DoD Policy

CBM+ is the application and integration of appropriate processes, technologies, and knowledge-based capabilities to improve the reliability and maintenance effectiveness of DoD systems and components. At its core, CBM+ is maintenance performed based on evidence of need provided by Reliability Centered Maintenance (RCM) analysis and other enabling processes and technologies. CBM+ uses a systems engineering approach to collect data, enable analysis, and support the decision-making processes for system acquisition, sustainment, and operations.



Digital Source Collectors



Apache CBM+ effort

Today — Demonstrating 2-way data interchange from platform on the ground to the CBM Data Warehouse

Tomorrow — Perform in-flight data transmission to the flight line

Air Force CBM+ empowers the systems experts to make knowledge-based decisions that increase system availability and decrease cost

New Acquisitions

- C-17 CBM+ Pilot Program
- JSF Prognostic Health Management

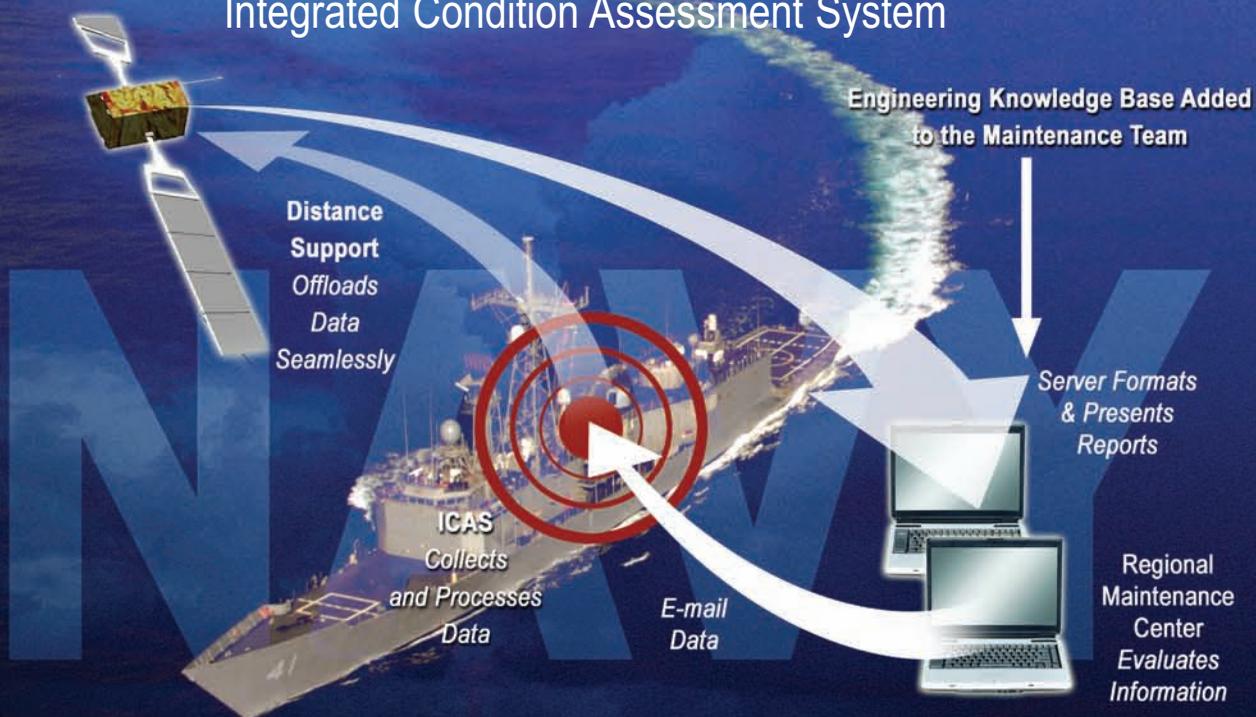
Legacy Systems

- C-130 Automated Inspection, Repair, Corrosion and Aircraft Tracking (AIRCAT)
- C-5 Aging Fleet Integrity & Reliability Management (AFIRM)
- Engine Health Management Plus (EHM+)

Programs

- Collective Mind
- C-5 MSG-3
- Enterprise Predictive Analysis Environment (EPAE)

Integrated Condition Assessment System



Sense and Respond Logistics

Supports Faster, Better Informed C2 Decisions

Transmits operational health/readiness data off-platform, which is made available to C2 users

Enhances Visibility for the Logistician

Communicates a service request and "demand" for logistics support and services

