

**DEPARTMENT OF DEFENSE  
CONDITION-BASED MAINTENANCE PLUS  
ORGANIZATIONAL CHARTER**

**I. Name**

Department of Defense (DoD) Condition-Based Maintenance Plus (CBM<sup>+</sup>).

**II. Background**

DoD policy (DoDI 4151.22) requires that Condition-Based Maintenance Plus (CBM<sup>+</sup>) be implemented for maintenance and logistics support of Service weapon systems where cost effective. The scope of CBM<sup>+</sup> includes maintenance-related processes, procedures, technological capabilities, information systems, and other logistics concepts that apply to both legacy systems and new acquisition programs. In simple terms:

*CBM<sup>+</sup> 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<sup>+</sup> is maintenance performed on evidence of need provided by reliability centered maintenance (RCM) analysis and other enabling processes and technologies. CBM<sup>+</sup> uses a systems engineering approach to collect data, enable analysis, and support the decision-making processes for system acquisition, sustainment, and operations.<sup>1</sup>*

To assist DoD and the Services in implementing CBM<sup>+</sup>, the Maintenance Senior Steering Group (MSSG) monitors and coordinates CBM<sup>+</sup> research and projects; encourages new maintenance technologies and processes; investigates CBM<sup>+</sup> efforts in Service weapon system programs; reviews Service CBM<sup>+</sup> plans; shares and tracks CBM<sup>+</sup>-related information; highlights CBM<sup>+</sup> activities across DoD and reviews the applicability of CBM<sup>+</sup> projects in the commercial sector to DoD programs.

**III. Purpose**

This charter establishes the CBM<sup>+</sup> organization and defines its purpose, authority, membership, responsibilities, and procedures in support of DoD's acquisition and maintenance programs.

The mission of the CBM<sup>+</sup> initiative is to promote, advocate, and monitor the implementation of CBM<sup>+</sup> throughout DoD's maintenance and logistics processes. To achieve that mission, the following actions are identified:

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<sup>1</sup> DoDI 4151.22, *Conditioned Based Maintenance Plus (CBM+) for Materiel Maintenance* dated December 2, 2007

- Provide strategic review and advice as necessary to deal with -
  - expansion of the emphasis on maintenance and reliability improvement
  - uniform understanding throughout DoD of requirements and criteria for maintenance processes and technologies to meet CBM<sup>+</sup> goals
- Coordinate approaches to collecting, reviewing, validating and distributing information on proven methods and products
- Identify and distribute emerging CBM<sup>+</sup> technologies and processes which saw potential benefit to DoD acquisition and maintenance programs
- Recommend policy guidance on maintenance and reliability improvements
- Provide overviews and summaries of CBM<sup>+</sup> programs and funding levels proposed and executed throughout DoD
- Monitor and track progress of CBM<sup>+</sup> related activities
- Develop strategies for tracking CBM<sup>+</sup> costs and its impact on readiness and safety
- Provide guidance for improving maintenance and training plans
- Ensure that CBM<sup>+</sup> technologies are fully considered throughout the life cycle of DoD systems and infrastructure.

#### **IV. Authority**

Pursuant to the authority of the Deputy Under Secretary of Defense for Logistics and Materiel Readiness (DUSD (L&MR)), the responsible maintenance official for DoD, this charter establishes the CBM<sup>+</sup> organizational structure and procedures.

#### **V. Membership**

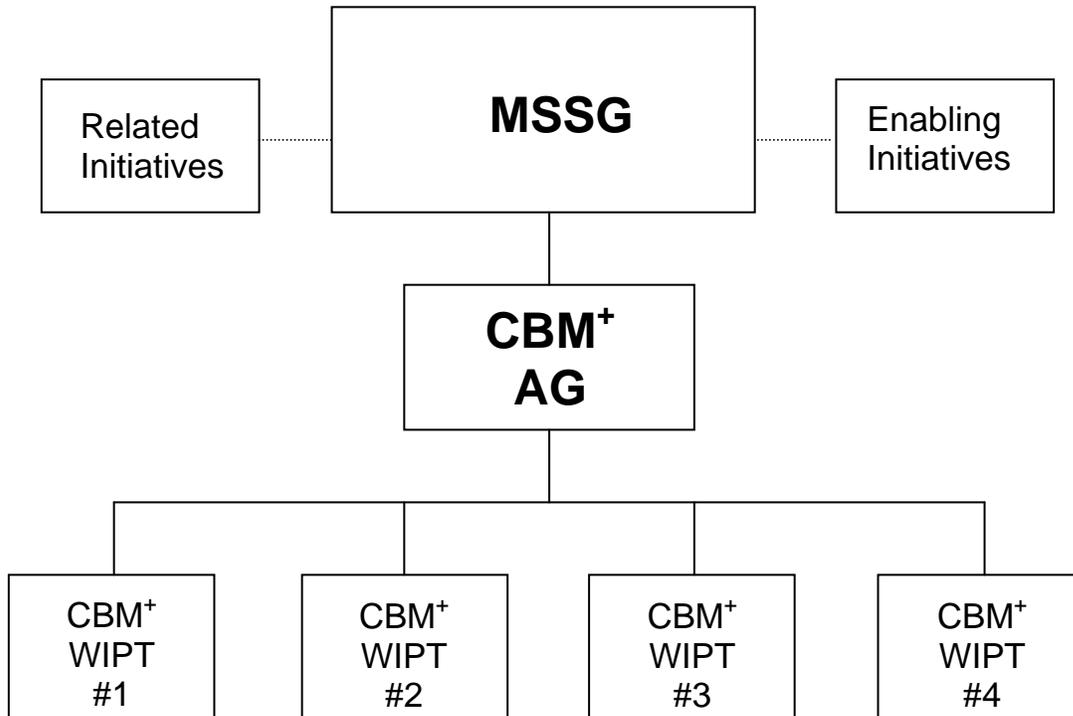
The CBM<sup>+</sup> organization consists of the following representatives:

- CBM<sup>+</sup> Action Group (AG)
  - AG Chair: The permanent AG Chair is designated from the staff of the Assistant DUSD (L&MR) for Maintenance Policy and Programs.
  - AG Members: The primary members of the CBM<sup>+</sup> AG are from Army, Navy, Air Force, Marine Corps, Defense Logistics Agency (DLA), and Joint Staff and are designated by the MSSG. To maintain

continuity and meeting coverage, member organizations should designate an alternate member and keep them informed of AG activities. Additional AG members can be appointed by the AG Chair.

- **CBM<sup>+</sup> Working Integrated Product Teams (WIPTs):** The leader of each WIPT is designated by the AG Chair. WIPTs will be established with representation from all member organizations. Established maintenance technologies, concepts, and procedures that support CBM<sup>+</sup> can be leveraged for CBM<sup>+</sup> interests. The AG may request the support or participation of Service or industry personnel to gain knowledge of CBM<sup>+</sup> technologies or processes. The AG may establish a relationship with an existing program or initiate a new WIPT to pursue a specific CBM<sup>+</sup> task, concept, or initiative.

The following chart depicts the CBM<sup>+</sup> organizational structure:



## VI. Responsibilities

The MSSG monitors the operations of the CBM<sup>+</sup> organization through the following action:

- Approve the CBM<sup>+</sup> charter
- Encourage and monitor CBM<sup>+</sup> technology and process use throughout DoD

- Propose or approve CBM<sup>+</sup> projects for AG action
- Advocate resource strategies that support CBM<sup>+</sup> in their organizations
- Nominate subject matter experts in their chain of command to participate on the AG.

The CBM<sup>+</sup> AG Chair is responsible for:

- Scheduling and presiding over CBM<sup>+</sup> meetings, as well as publishing and distributing results of all sessions
- Facilitating the CBM<sup>+</sup> agenda and the decision process for resolving conflicts or issues among members
- Developing and maintaining access to all CBM<sup>+</sup> information
- Accomplishing established goals and updating the MSSG concerning CBM<sup>+</sup> progress and issues.

The CBM<sup>+</sup> AG Members are responsible for:

- Advancing CBM<sup>+</sup> through planning development and research
- Developing communications plans to distribute CBM<sup>+</sup> information throughout their organizations
- Contributing to the improvement of CBM<sup>+</sup> through participation in symposiums, workshops, Web sites, newsletters, and publications
- Recommending strategic direction, policy, and guidance for implementation of CBM<sup>+</sup> throughout DoD
- Identifying and analyzing resource strategies for CBM<sup>+</sup> initiatives
- Representing their organizations on maintenance and reliability issues
- Providing support and guidance to the WIPTs
- Developing, reviewing, and recommending improvements for the implementation and execution of Service CBM<sup>+</sup> plans and selected programs
- Providing regular updates on their organization's CBM<sup>+</sup> activities

- Collecting and sharing government and commercial CBM<sup>+</sup> development, implementations, benefits, lessons learned, and research

In their specific areas of interest, the CBM<sup>+</sup> WIPTs are responsible for:

- Conducting and coordinating activities based on specific plans of action and milestones
- Providing recommendations or performing actions, as appropriate.

## **VII. Procedures**

CBM<sup>+</sup> AG. The AG will meet as required to develop and review CBM<sup>+</sup> initiatives and conduct required business. The AG Chair will select the topics for discussion at each meeting, considering the recommendations of AG members. The AG Chair will also direct the preparation and dissemination of CBM<sup>+</sup> materials and briefs.

The AG will monitor all CBM<sup>+</sup> implementation efforts, discuss CBM<sup>+</sup> issues, pursue new initiatives, receive briefings, develop guidance, and conduct other business, as appropriate. The AG will closely monitor the activities of other IPTs and enabling initiatives, such as Continuous Process Improvement and Modeling & Simulation. Many of those other activities entail the development of innovative programs which could be used to advance CBM<sup>+</sup> initiatives.

CBM<sup>+</sup> WIPTs. Each WIPT will have a designated leader and include representation across DoD. The WIPTs will meet as required at the discretion of the WIPT leader. WIPT leaders will report to the AG, as directed. AG members will nominate subject matter experts to participate on the WIPTs. Industry representatives will be allowed to participate, at the discretion of the AG. WIPT membership is based on expertise and may include members outside the National Capital Region.

Based on guidance from the AG, WIPTs will develop a plan that addresses an improvement in a maintenance technology, process, policy, or capability. Areas of interest can include reliability, training, standards, or CBM. WIPTs will remain in existence only to accomplish specific goals and should be disbanded when the action is complete.