



OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE

3500 DEFENSE PENTAGON
WASHINGTON, DC 20301-3500

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LOGISTICS AND
MATERIEL READINESS

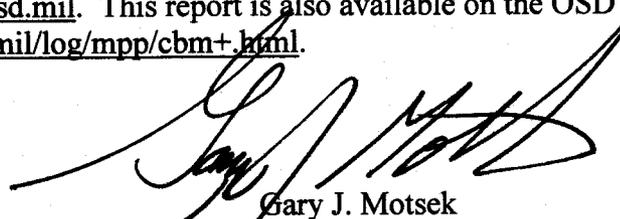
MEMORANDUM FOR: SEE DISTRIBUTION

SUBJECT: Information on Conducting Business Case Analysis (BCA) for Condition Based Maintenance Plus (CBM⁺) Initiatives

The Department of Defense Instruction DoDI 4151.22, dated December 2, 2007, establishes CBM⁺ policy and guidance for the Military Departments and Defense Agencies. In May, 2008, the CBM⁺ DoD Guidebook was released as an information reference and a starting point to assist in CBM⁺ planning, implementation, and execution. Recognizing business case analysis (BCA) as a key element in CBM⁺ initiation, the office of the Deputy Assistant Secretary of Defense for Maintenance (DASD(MPP)) sponsored a study of existing BCA guidance and policy that support implementation of CBM⁺ initiatives. The study was conducted from April through September 2010 in collaboration with Military Services and the Defense Acquisition University representatives. The attached report documents available BCA information tailored for CBM⁺ implementations to assist Service Acquisition and other Department of Defense organizational components in evaluating and assessing methodologies and approaches when implementing cost effective CBM⁺ initiatives within DoD system acquisition and sustainment programs. The report proposes a comprehensive CBM⁺ BCA process, a notional framework, and provides essential factors that should be addressed to properly scope, define, and conduct a BCA for CBM⁺ initiatives during any phase of the lifecycle.

As we continue to develop CBM⁺ initiatives to optimize readiness and ownership costs, we must carefully assess technologies and capabilities that will serve as CBM⁺ enablers. This report provides some ideas and approaches which address incremental CBM⁺ implementation; from basic platform/equipment sensors through fully integrated health management capabilities. Information contained in this paper is intended to supplement existing DoD and Service specific guidance for developing BCAs related to CBM⁺. I encourage its widest dissemination across the Services.

Any additional comments and suggestions are welcome. My focal point is Mr. Greg Kilchenstein in the Maintenance Policy and Programs office at 703-614-0862, email: greg.kilchenstein@osd.mil. This report is also available on the OSD CBM⁺ web site at <http://www.acq.osd.mil/log/mpp/cbm+.html>.



Gary J. Motsek
Deputy Assistant Secretary of Defense
(Maintenance, Policy and Programs)
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Attachment:
As stated