

DEPARTMENT OF DEFENSE STANDARD PRACTICE WORK BREAKDOWN STRUCTURES FOR DEFENSE MATERIEL ITEMS



MIL-STD-881D
9 April 2018



Foundational Learning



Workflow Learning



Performance Learning

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Acquisition & Program Management Center
Foundational Learning Directorate
Defense Acquisition University





MIL-STD-881D Changes

MIL-STD-881D has resulted in many changes

- Provides the framework for Department of Defense (DoD) Program Managers to define their program's WBS and to defense contractors in their application and extension of the contract's WBS.
- Section 1 defines and describes the WBS.
- Section 2 provides instructions on how the WBS is applied as well as how to develop a Program WBS in the pre-award timeframe.
- Section 3 provides direction for developing and implementing a Contract WBS
- Section 4 examines the role of the WBS in the post-award timeframe.
- Provides WBS definitions for specific defense materiel commodity systems in Appendices A through J. Appendix K addresses WBS elements that are common to all systems. Appendix L presents for the DoD Sustainment Cost Reporting Structure (CRS) and its associated definitions for informational purposes.



MIL-STD-881D Changes

This revision has resulted in many changes being incorporated into MIL-STD-881D, but the most significant ones include the following:

- Appendix A - **Aircraft Systems** and Appendix H - **Unmanned Aircraft Systems** have been merged into a new **Appendix A - Aircraft Systems**, since unmanned aircraft are considered Aircraft Systems.
- Appendix C – **Missile Systems** and Appendix D – **Ordnance Systems** have been merged into a new **Appendix C – Missile/Ordnance Systems** which focuses on tactical missiles and munitions due to their commonality in structure and intent.



MIL-STD-881D Changes Continued

- Appendix D - Is now **Strategic Missiles Systems** which focuses on Intercontinental Ballistic Missiles (ICBM) and strategic missiles used by Missile Defense Agency. Previously strategic missiles were part of Appendix C – Missiles Systems.
- Appendix F, Space Systems - New and revised definitions have been incorporated for Space Systems to improve clarity and understanding of application.
- Appendix G Changes:
 - **Changed the title** from Surface Vehicle Systems to **Ground Vehicle Systems** to reflect the common terminology for land and amphibious systems.
 - Changed the WBS in Ground Vehicle Systems to reflect the approach to buying family of systems vehicles (i.e., variants).



MIL-STD-881D Changes Continued

- Appendix J Changes:
 - **Changed the title** of Automated Information Systems to **Information Systems/Defense Business Systems** to reflect DoDI 5000.75: “Business Systems Requirements and Acquisition.”
 - Added a Sustainment Structure for Information Systems/Defense Business Systems to recognize the overlap of acquisition and sustainment activities on the acquisition contract. For IS/DBS, this structure should be used to appropriately reflect sustainment activities on IS/DBS programs.



MIL-STD-881D Changes Continued

- Appendix K, Common Elements Changes:
 - Added and defined in the Common Elements Appendix required reporting elements under Systems Engineering, Program Management, and System Test and Evaluation related to Integrated Logistics Support, Software Engineering and Management, and Cybersecurity.
 - Required Rate Tooling to be separately identified within Integration, Assembly, Test, and Checkout at the appropriate level.
 - Further defined Peculiar Support Equipment and Common Support Equipment to a lower level which identifies the subassembly the equipment supports, (e.g., Airframe/Hull/Vehicle, etc.).
 - Added Contractor Logistics Support (CLS) to reflect that contractor sustainment support may be completed at the depot during the acquisition phase.
 - Added Data Rights under Data to reflect the Government purchase of contractor data rights.



MIL-STD-881D Changes Continued

- Appendix L, Relationship Between The Sustainment Cost Reporting Structure And The Work Breakdown Structure:
 - Includes the Cost Assessment Program Evaluation (CAPE) Sustainment Cost Reporting Structure (CRS) to provide a description of the transition between the Work Breakdown Structure (WBS) to the CRS during a program.



MIL-STD-881D Changes Continued

MIL-STD-881D is available from:

<https://www.dau.mil/training/career-development/logistics/blog/New-MIL-STD-881D-Work-Breakdown-Structures-for-Defense-Materiel-Items>