



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AERONAUTICAL SYSTEMS CENTER (AFMC)
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

16 May 2000

MEMORANDUM FOR VICE ADMIRAL JOHN A. LOCKARD, USN
COMMANDER, NAVAL AIR SYSTEMS COMMAND
47123 BUSE ROAD
PATUXENT RIVER, MD 20670

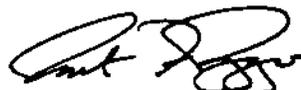
MAJOR GENERAL JULIAN A. SULLIVAN, JR., USA
COMMANDER, U.S. ARMY AVIATION & MISSILE COMMAND
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FROM: ASC/CC
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SUBJECT: Work Breakdown Structure (WBS) Level III Status for Crew Station Element

1. A recent Air Force Inspection Agency (AFIA) independent assessment of Human Systems Integration (HSI) in the Air Force, concluded that HSI needed additional emphasis during acquisition source selections, program reviews, and milestones. Currently HSI elements are allocated across several Work Breakdown Structure (WBS) elements. The AFIA report cited the F-22 program as an example in implementing a sound HSI approach in the early phases of acquisition. Specifically noted was the F-22 program decision to consolidate the human factors component of HSI in a cockpit system element at Level III in the WBS for earned value reporting. The benefits noted from this elevation include; solidification of team commitment, becoming an integral part of program management reviews, establishing parity with major air vehicle components, facilitation of integration into all other air vehicle systems, and increased attention at senior levels of program management. In addition, future emphasis on unmanned aircraft systems may increase needs to breakout remote operational crew stations as a separate WBS element.
2. Aeronautical Systems Center has developed an HSI action plan to address the AFIA findings. We are currently implementing an internal policy to elevate crew station elements within the program office structure for all new programs. This plan, which was briefed to AFMC/CC, SAF/AQ, and AF/SG, also includes a recommendation to elevate cockpit/crew station system elements to WBS Level III as an effective way to emphasize the human factors component of HSI in acquisition. This plan has also received industry and working level tri-service support following discussion at a DoD wide human factors symposium. Attachment 1 is a proposed draft revision to MIL-HDBK-881, Work Breakdown Structure. Prior to taking a proposal forward to OSD (AT&L/SA/PM) for modification of MIL-HDBK-881, we would like to obtain tri-service level endorsement. Request your office provide endorsement or comments regarding this proposal to the undersigned by 30 May 2000.

3. Our point of contacts are Mr. Kevin Burns, ASC/ENFC, DSN 785-8596, (e-mail Kevin.Burns@wpafb.af.mil) or Mr. Vic Santi, ASC/ENFC, DSN 785-5797 (e-mail Vic.Santi@wpafb.af.mil).



ROBERT F. RAGGIO
Lieutenant General, USAF
Commander

Attachment
Draft MIL-HDBK-881 revisions
(Appendix A and Section H.3.2)