



DEPARTMENT OF THE AIR FORCE
WASHINGTON DC

9 OCT 2018

OFFICE OF THE ASSISTANT SECRETARY

MEMORANDUM FOR AIR FORCE PROGRAM EXECUTIVE OFFICERS

SUBJECT: Use of Open Mission Systems/Universal Command and Control Interface

1. The USAF must be specific about our approach to open architecture standards. The Open Mission Systems/Universal Command and Control Interface (OMS/UCI) standard has been tested and verified with many successes and lessons learned. Having achieved Technology Readiness Level 9, OMS/UCI is demonstrating the ability to be a game changer in the integration of mission systems onto our weapon systems. This standard, originally designed for use in avionics mission systems, is now being applied for a broad spectrum of use cases from satellite ground stations to space command and control. We see the power of common and compatible standards in our personal lives every day, resulting in amazing systems of systems.

2. To meet Congressional intent, per the National Defense Authorization Act, Fiscal Year 2017, Section 805, as well as OSD guidance (Open Systems Architecture Contract Guidebook for Program Managers), we require all USAF programs use a Modular Open Systems Approach (MOSA) by implementing OMS/UCI to the maximum extent possible. This memorandum directs OMS/UCI inclusion in Rapid Prototyping efforts under Section 804 and Weapon System Component Prototyping efforts under Section 806. All programs that are expending 3600 funds and are pre-Milestone A must implement OMS/UCI to the maximum extent possible. Programs that are between Milestones A and B shall move to a MOSA by implementing OMS/UCI to the maximum extent practicable, as long as OMS/UCI implementation does not cause an increase in 3600 funding of more than 15% over the Future Years Defense Program.

3. Program Executive Officers shall ensure that all milestone reviews, especially the Acquisition Strategy Panel, include documentation to show how OMS/UCI will be used in the program. All requests for an exception to the use of OMS/UCI shall be handled by the AF Standardization Executive (SE) and will require Service Acquisition Executive approval. Programs requiring an exemption must submit a request of no more than two pages to the SE via SAF/AQR, usaf.pentagon.saf-ag.mbx.saf-agre-workflow@mail.mil. OMS/UCI exemption requests will be reviewed and a decision issued no more than ten days from the receipt of the request.

4. The OMS/UCI standard can be downloaded from the Air Force Research Laboratory Virtual Distributed Laboratory. The Open Architecture Management Office can be reached directly at AFLCMC.XZ.OAMO@us.af.mil.

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