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The Honorable Emil Michael
Office of the Under Secretary of Defense, Research and Engineering (USD(R&E))
The Pentagon, Washington, DC 20301

Subj: Use Advana for Capability Portfolio Management

Dear Hon. (USD(R&E) Emil Michael:

This letter augments my letter dated July 9, 2026, Subj: War Data Platform, Digital Acquisition (DA), and Digital Engineering (DE). Information from DoDD 7045.20 Capability Portfolio Management (CPM) supports my recommendation to use Advana for DA in addition to operational/mission use:

For success of CPM and the DA strategy, I recommend that the WDP program team's focus on expanding the core data integration layer of Advana also include the responsibility to connect acquisition data to mission effects. Acquisition data regarding weapon system capabilities is siloed from CPM because it is the responsibility of the WDP Application Services program team. The remedy is to:

1. Expand the scope of the War Data Platform (WDP) team to connect acquisition data to mission effects.
2. Use Advana to serve as the "single (authoritative) source of truth" (ASoT) for DA.

To break down that silo, I recommend that you revise DoDI 5000.97 DE, which is silent on CPM, to incorporate CPM as defined in DoDD 7045.20. Pertinent excerpts on DA, analytics, ASoTs, and tools follow.

Foreward

The transition to digital standards will enable technical requirements to be managed, accessed, and used efficiently by engineers, *acquisition* professionals, and other stakeholders as the Department and defense industry transition to digital processes, products, and tools.

3.1. Overview and Motivation

a. The objective of CPM is to align the investments, requirements, interoperability, designs, and *acquisitions* of related capabilities across the DoD via enterprise portfolios to optimize operational mission capabilities across operating domains. This is done through robust *analytic* processes... and *tools*.

b. CPM is a disciplined and integrated approach to prioritize requirements and allocate resources. This (CPM) approach requires DoD to view its investments ...by integrating the outcomes from the respective portfolio management processes ...within each of the requirements, *acquisition*, and budgeting processes.

3.4. Tools

CPM will be enabled by the following:

- a. Roadmaps across a range of domains (e.g., *acquisition*, research, industrial, and threat) are critical *tools* in describing and synchronizing elements of a capability portfolio over time.
- b. The Advana platform is the enterprise *authoritative* data management and *analytics* platform... It should be used...for CPM.
- c. DE is an integrated digital approach using *authoritative sources* of system data...as a continuum throughout a system's development and life. DE updates traditional systems engineering practices to take advantage of computational technology, modeling, *analytics*, and data sciences.

Recommended Revision to DoDI 5000.97 DE

Please revise DoDI 5000.97 DE to incorporate DoDD 7045.20 CPM.

Is:

3.5. PROCEDURES FOR MAINTAINING DIGITAL MODELS AND AUTHORITATIVE DATA SOURCES.

b. Authoritative Data. Programs should develop and implement plans to establish current, consistent, enduring, and authoritative sources of truth for digital models and data. See the DoD Data Strategy for additional information on data attributes, including achieving visible, accessible, understandable, linked, trustworthy, interoperable, and secure goals.

Should be:

b. Authoritative Data. Programs should develop and implement plans to establish current, consistent, enduring, and authoritative sources of truth for digital models and data, **including DA and acquisition data**. See the DoD Data Strategy for additional information on data attributes, including achieving visible, accessible, understandable, linked, trustworthy, interoperable, and secure goals.

Yours truly,



Paul J. Solomon

CC:

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