



The Velocity of Standardization: **Accelerating Readiness in a Contested Logistics Environment**

Why Standardization is Important: Three Aspects of Interoperability for Product Support

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The Strategic Imperative of Standardization



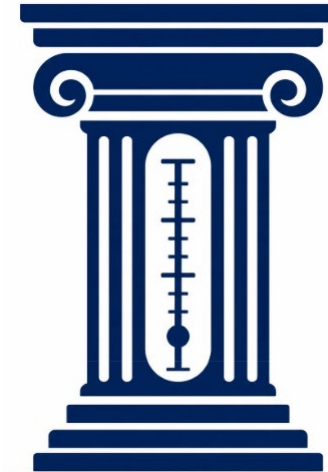
A Contested Environment

The modern battlefield is contested, distributed, and joint. We cannot fight at the speed of relevance if our supply chains and depots remain siloed.



The Statutory Anchor

10 U.S.C. § 118 mandates strict materiel readiness metrics. We cannot meet these critical levels without interoperable systems and disciplined standardization.



Aspect 1: Mission-Level Interoperability

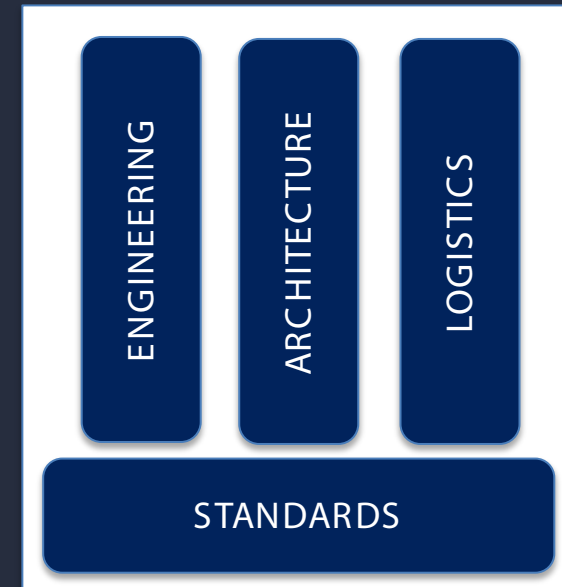
The Value Punchline: Co-Sustainment

Mission-level interoperability is the ability to operate, maintain, and repair systems seamlessly across Military Services and allied nations to achieve the Joint Mission.

Co-sustainment is the operational advantage gained through mission-level interoperability. It is an integrated network of U.S., allied, and industry capabilities that delivers repair and replenishment at the point and speed of need, ensuring a decisive edge in a contested logistics environment.

Operational Reality

Engineering, architecture, and logistics standards are the bedrock. Without them, a joint force is merely a collection of independent militaries operating in the same area.



Aspect 1: Policy Anchors & Examples

Statutory Mandates

- ✓ **10 U.S.C. § 2464 (Core Logistics Capabilities)** enables flexible, cross-platform depot surge capability.
- ✓ **10 U.S.C. § 2342 (ACSA)** provides the framework to legally execute cross-servicing with allied partners in theater.

Statutory Mandates



10 U.S.C. § 2464
Industrial Logistics
Surge Capabilities

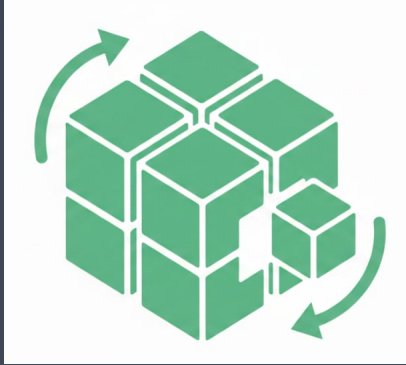
10 U.S.C. § 2342
Allied Partnerships
And Agreements

Real-World Impact

- Repairing a USAF aircraft directly in the Republic of Korea.
- Utilizing U.S. aircraft parts to augment diminished allied supply chains.
- Providing allied vehicle maintenance in forward-deployed U.S. facilities.

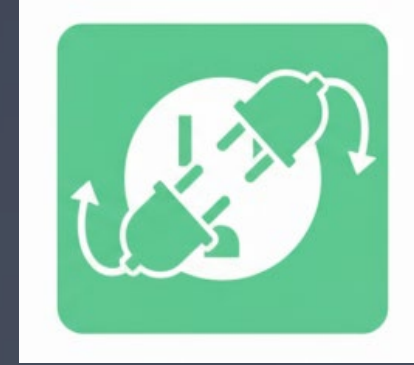


Aspect 2: System-Level Interoperability



Value Punchline: MOSA

A **Modular Open System Approach (MOSA)** provides the critical capability for rapid component upgrades and technology refreshes throughout the sustainment life-cycle, eliminating the need for total platform redesigns.



Commercial Standards

We must relentlessly leverage commercial standards and industry best practices. This allows future technology to seamlessly plug and play into our defense architectures.

Aspect 2: Policy & Tech Refresh

Statutory Anchors

- ▶ **10 U.S.C. § 4401:** Legally mandates MOSA for major defense acquisition programs.
- ▶ **10 U.S.C. § 4324:** Requires the implementation of commercial standards in product support.
- ▶ **10 U.S.C. §§ 3771–3775:** Demands securing Technical Data Rights upfront to avoid vendor lock.

Real-World Impact

Consider the ability to replace a Navy ship's Positioning, Navigation, and Timing (PNT) system by swapping a standardized module, rather than undertaking a massive hull redesign or procuring an entirely new vessel.

📁 Aspect 3: Parts Commonality (LOE 5)

📈 Enterprise Scale

The value punchline is **Enterprise Scale and Supply Chain Resilience**. Parts commonality significantly reduces the administrative and logistical friction that plagues isolated programs.



🔧 Breaking Bottlenecks

Every unique part number for a common item (e.g., fasteners, microelectronics) slows down fielding and repair. **LOE 5** targets this exact inefficiency to accelerate readiness.



Aspect 3: Supply Chain Policy



Category Management

DoW Policy actively drives the use of enterprise-level contract vehicles for common parts. This guarantees best value and avoids redundant, overlapping contracts across the force.



EO 14415 & 10 U.S.C. § 4872

Commonality dramatically simplifies Supply Chain Illumination. It enables us to mandate indentured BOMs and securely vet vendors for foreign influence or single points of failure.



Conclusion: Accelerating Readiness in a Contested Logistics Environment

Standardization is the ultimate enabler of innovation and readiness. **Mission-level co-sustainment** allows us to fight jointly; **system-level MOSA** allows us to upgrade continuously; and **parts commonality** allows us to scale securely.

We must design for supportability and demand data rights as a condition of fielding to guarantee long-term lethality.