



NATIONAL INFORMATION EXCHANGE MODEL

## SUCCESS STORY

### **Joint Non-Kinetic Effectiveness (JNKE)**

**Joint Technical Coordinating Group for Munitions Effectiveness Product Team**

**U.S. Department of Defense**

**Cyber Operations and Lethality Effects Integrated Product Team**

### **NIEM Improves Data Interoperability For Cyberspace Operations Program**

The Program Office – Joint Technical Coordinating Group for Munitions Effectiveness Product Team built a fully NIEM conformant Joint Non-Kinetic Effectiveness (JNKE) Information Exchange Package Documentation (IEPD). The team established a data standard for improving interoperability and information sharing between the U.S. Service Components and other federal agencies.

By utilizing a NIEM approach, the team improved data interoperability in the rapidly evolving cyberspace domain. The team has demonstrated the timeliness of NIEM-based data exchange implementations in helping to fulfill cyberspace operations information sharing requirements. This the first standard developed to characterize cyberspace weapons effectiveness across the Department of Defense, making this NIEM IEPD data standard a key enabler in the development and support of Cyber Operations and Lethality Effects. The standard improves cyberspace operations effects interoperability and information sharing between the U.S. Service Components and Federal Agencies using NIEM.

The Program Office – Joint Technical Coordinating Group for Munitions Effectiveness, Cyber Operations and Lethality Effects Integrated Product Team is a partnered initiative structured as an integrated product team. Partners include the U.S. Air Force, Army, and Navy, and the USCYBERCOM – providing the means, methodologies, and data necessary to reliably estimate cyberspace effects in support of military operations with the same success as well-established kinetic targeting weaponeering, and planning capability.

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