

**MAP01**

## **Adapting Feature-Oriented Domain Analysis for the Joint Capabilities Integration and Development System**

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### **Abstract**

In response to adversaries in a Great Power Competition, the Department of the Air Force (DAF) issued digital transformation on the acquisition processes to accelerate the delivery of weapon capabilities to warfighters. Acquisitions contain many Systems Engineering Technical Reviews (SETRs). Currently, SETRs are word-based documents that contain models as supplements using model-based systems engineering (MBSE). This does not entail digital transformation as the word-based documents need to be replaced by computer models. Domain analysis may solve this issue. This study proposes and adapts a specific domain analysis method, Feature-Oriented Domain Analysis (FODA), to the Alternative Systems Review (ASR) evaluation, thus supporting the Joint Capabilities Integration and Development System (JCIDS) and MBSE.

### **Conference Track**

Military Applications