12TH ICCRTS
"Adapting C2 to the 21st Century"
Enterprise SOAs for the convergence of Battle Management and Resource Management systems
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Proposed - Track 8: C2 Technologies and Systems
Alternate (1) - Track 1: C2 Concepts, Theory, and Policy
Alternate (2) - Track 7: Network-Centric Experimentation and Applications

Title: Enterprise SOAs for the convergence of Battle Management and Resource Management systems

Abstract: In an age where many defense organizations are adopting Service Oriented Architectures, we have observed the convergence of Battle Management and Resource Management systems. Today, many defense organizations either use the ADatP-3 messaging or the MIP information exchange data model replication standards for exchanging data. Consequently, the same software capabilities are often duplicated in both domains. At CWID 2006 and 2007, the Mission Capability Package (MCP) data of the NATO Response Forces NRF 9/10 were maintained within a trial system in multi-security / multi-national federated environment using ADatP-3, MIP, and web services. Specifically, the provision of organizational and resource data to battle management systems from resource management systems, and process integration between resource management and battle management systems. In the future, Battle Management systems will be able to invoke the appropriate web services to obtain the up-to-date relevant information from resource management systems. This paper will provide insights on lessons learned and a roadmap to defining Enterprise Services to enhance the ability to provide solutions that enhance Commanders at all levels the ability to collaborate and disseminate information among communities of interest (COIs) in a net-centric environment while providing agility to the warfighter.