12TH ICCRTS
"Adapting C2 to the 21st Century"

Relevant Operational C2 for the Warfighter

Tracks:
C2 Concepts, Theory, and Policy
Modeling and Simulation
C2 Technologies and Systems

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Abstract

This paper and associated presentation describes and details a methodology for the implementation of Network Centric Operations and Warfare and Coalition Information Exchange. The often sought panacea does not reside in a necessarily new technological advance, but rather the aggregation of a number of systems, implementations and concepts that have been at our fingertips for ages. Perhaps surprisingly, given the current trend of questioning the relevance of operational architectures, it all begins with architecture, yet we can tie requirements, performance metrics, processes, systems, and testing.

Architectures must decompose activities and nodes down to the lowest operator level and the data level. It is in this process of decomposition that interactions, information requirements and processes are revealed. From that point, the correlation of operator input to the Information Exchange Data Model, coupled with the appropriate node level serves as an end to end description of the entire system. Analysis by subject matter experts will allow for further refinement of processes determine unrealized lifecycle costs, and most importantly, decision makers may be able to fine tune information flow to provide the truly critical information at the critical time, place and format.