

**12th International
Command & Control Research & Technology Symposium**

“Adapting C2 to the 21st Century”

Suggested Topics/Tracks:
C2 Concepts, Theory, and Policy
Networks and Networking
Metrics and Assessment
C2 Technologies and System

The Rise, Fall and Resurrection of C2 Architectures

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The Rise, Fall and Resurrection of Architectures

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Abstract

Architectures and their processes have been popular for some time in both government and industry to design and understand the enterprise, usually the Information Technology (IT) and Decision Making infrastructure of the enterprise. Over the years there have been a very large number of architectural efforts undertaken. In addition, nearly every major government department and agency (and many industry groups) have created their own processes, procedures, and frameworks for the development and standardization of architectural artifacts - all with limited results. In this paper the authors first investigate several of these previous efforts, their successes and failures, and the most apparent reasons for those outcomes. We then touch upon some current architectural efforts and explain why they are doomed to failure if they proceed on their current paths. The paper culminates in suggestions for conducting future architecture efforts in order to apply more useful, repeatable, enduring results toward adapting C2 to the 21st century.

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