



International Command and Control Research and Technology Symposium

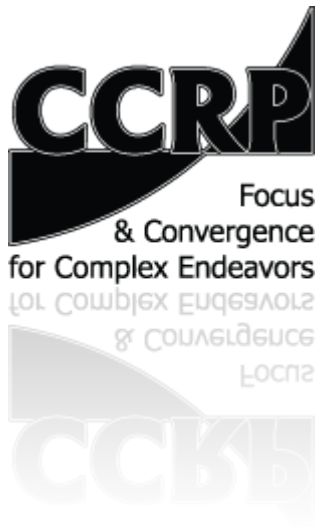
June 22-24, 2010

Fairmont Miramar Hotel & Bungalows
Santa Monica, CA



Department of Defense
Office of the Assistant Secretary of Defense
Networks and Information Integration
DoD Chief Information Officer





DoD

Command and Control (C2) Research Strategic Plan

presented to

15th ICCRTS

Santa Monica, California

June 23, 2010

Dr. David S. Alberts

Director, Research

OASD/NII – DoD CIO

Plan Objectives

- Identify the C2-related challenges we collectively believe are on the critical path to improving the ability of our organizations to meet the mission challenges of the 21st Century,
- Assess our ability to meet these C2 challenges with existing theory, knowledge, methods and tools,
- Provide a set of prioritized research goals and objectives designed to provide the intellectual and empirical foundation upon which to build the C2-related concepts and capabilities needed for Complex Endeavors, and
- Contain a list of current and planned research-related activities that will enable us to better understand agility, what constitutes agile C2, and the information-related capabilities necessary

Drafting The Plan

- The current statement of focus and priorities represent the views of the Director, Research OASD/NII and DoD CIO
- Shared awareness needs to be developed if the CCRP is to be successful in having others (who have more funds and opportunities)
 - invest their funds in these lines of research
 - participate in collaborative effects and
 - share their empirical evidence
- Thus, a Strategic Plan for C2 Research needs to be developed as a **community effort**
- Your input is requested - an 8-page questionnaire on the plan was included with your conference materials

Part I: Critical C2 Challenges

- What is the nature of 21st Century mission challenges?
- What are the implications for C2?
- What are the critical Command and Control challenges in the context of 21st Century missions?

Part II: Shortfalls

- Gaps in Theory
- Lack of Analytic Capability
- Shortfalls in Practice

Part III: Priority Initiatives

- Initiative 1: Understanding Agility
- Initiative 2: Understanding Focus and Convergence for Complex Endeavors
- Initiative 3: Research Community Infrastructure

Part IV: Current and Planned Activities

- What research activities are currently in progress?
- What research activities are planned?
- What, if any, would you add or delete from the list of reference materials cited?
- Completed research activities that the community should be aware of and may be able to build upon?



THE COMMAND AND CONTROL RESEARCH PROGRAM

MENU

ABOUT THE CCRP
BOOKS
C2 JOURNAL
EVENTS
NATO RESEARCH
CCRP RESEARCH
ELICIT
EDUCATIONAL
MATERIALS
AWARDS
SPONSORED ACTIVITIES
FAQ
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MAILING LIST
CONTACT US
SITE MAP

Introduction

Part I

Part II

Part III

Part IV

DOD COMMAND AND CONTROL RESEARCH STRATEGIC PLAN Agile C2 for Complex Endeavors

Version 1

Posted 05.07.2010

Dr. David S. Alberts

Director, Research OASD/NII – DoD CIO

This is a draft of a document that is being developed collaboratively with inputs from colleagues within OASD/NII-DoDCIO, others in DoD, our international partners, industry, and academia.

Please take time to read and comment on each section. Comments should be made separately in the boxes provided below each respective section (e.g., Introduction, Part I, Part II). Start by clicking the Introduction tab above.

This Plan will do the following:

- 1) Identify the C2-related challenges we collectively believe are on the critical path to improving the ability of our organizations to meet the mission challenges of the 21st Century,
- 2) Assess our ability to meet these C2 challenges with existing theory, knowledge, methods and tools,
- 3) Provide a set of prioritized research goals and objectives designed to provide the intellectual and empirical foundation upon which to build the C2-related concepts and capabilities needed for Complex Endeavors, and

Part I - IV



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Part I

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Part IV

DOD COMMAND AND CONTROL RESEARCH STRATEGIC PLAN

Agile C2 for Complex Endeavors

Part IV: Current and Planned Activities

Version 1 - Posted 05.07.10

[Print](#)

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01

This section will contain known C2 Research community efforts that will contribute to the research and/or infrastructure initiatives identified in Part III.

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On-going Research

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The following research activities are currently in progress.

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experience, and capabilities necessary to undertake these endeavors by itself.

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*Please leave comments in the section below, referencing version and line number (if referring to a specific item). **Note:** You are not required to login to leave a comment, simply enter your name in the "Your name here..." field. Previous comments can be seen by scrolling down.*







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