2004 Command & Control Research & Technology Symposium

The Power of Information Age Concepts & Technologies

Command & Control (C2) in the Collaborative Information Environment (CIE)

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Evidence Based Research
Joint Forces Command

Introduction

- Information Age Concepts & Technologies
- Better & More Timely Decisions & Actions
- Joint Forces Command Experimentation
- CIE Components & Organization
- Common Purpose: Collect & Share Data
- Collaborative Sharing=Decision Superiority

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Agenda

- Collaboration and Experimentation
- The Quest for Information
- Collaboration Possibilities & Constraints
- Testing the Technology & Participants
- The Challenges & The Potential
- Information Age Leader Competencies

Collaboration & Experimentation

- Distributed & Collaborative Environment
- Standing Joint Force Headquarters
- Cross-Functional Staff Organization
- Operations: Information/Knowledge Based
- Virtual Information Enterprise Warehouse
- Technology & Computer Based Concept

The Quest for Information

- Right Questions for Right Answers
- Virtually Any Question Answered
- Joint Interagency Coordination Group
- Developing the Network Challenges
- Centers of Excellence (COE)
- Subject Matter Experts (SME)

Possibilities & Constraints

- Infinite Possibilities & Current Constraints
- Time Sensitive Information Needs Vary
- Incomplete, Inaccurate, Misinterpreted Data
- The Role of Uncertainty & Risks
- The Proverbial "Paralysis by Analysis"
- A Time to Analyze—and to Act

Testing the Technology

- Testing the Array of "Tools"
- The Value of Training: Initial & Sustained
- Traditional & Cultural Leadership Values
- Mechanical vs. Intellectual
- Complex vs. Simple
- Compartmented vs. Integrated

The Challenges & The Potential

- The Human Behavior Domain
- User Influence on Technology Tools
- Employing & Responding to Technology
- Ability to Collect, Manage & Distribute
- Communicate, Coordinate, Cooperate
- Collaborate, Collaborate

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Information Age Leader Competencies

- Coping with Cultural & Doctrinal Issues
- Establishing Trust & Confidence
- Exploiting Speed & Decision Making
- Ensuring Sharing & Dissemination
- Mastering Information Overload
- Partnering with Civilian Authorities

Summary & Conclusions

- Technology Aids Decision Making...But
- Unless We're Careful...
- The CIE Is a Work in Progress
- Prepares Today's Leader for Tomorrow
- Helps Achieve Decision Superiority
- Speed of Action vs. Speed of Decision

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