

ABOUT NATO STO

The NATO Science and Technology Organization (STO) acts as NATO's principal organization for science and technology research

ABOUT SAS-104

SAS-104 is a NATO Research Task Group chartered by the System Analysis and Studies Panel

SAS-104 Planned Products are:

- Quick Guide
- Educational Materials
- Seminars and Workshops
- Analyses and Technical Reports
- Assessment Tool
- Tiger Team

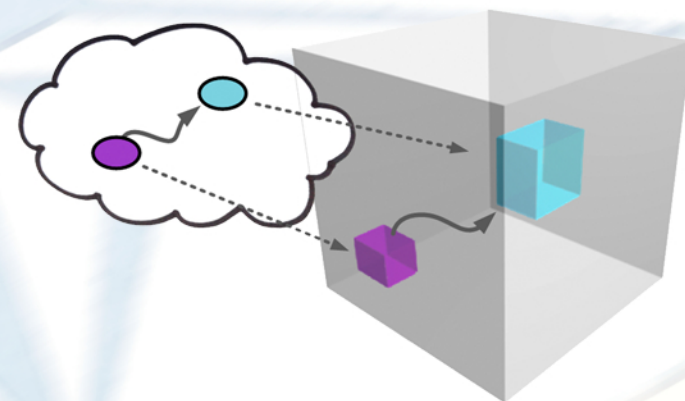
C2 Agility

C2 Agility involves

- (1) recognizing the significance of changes in circumstances that affect the appropriateness of one's approach to C2
- (2) understanding which approach(es) to C2, given a new mission and/or evolving circumstances, are now more appropriate
- (3) being able to transition, as necessary, to a more appropriate approach to C2

SAS-104 is now working to assist organizations that wish to improve their C2 Agility as well as conducting further research, experimentation and analysis

Operationalizing C2 Agility



More information / Join us:

<http://www.dodccrp.org/sas-104.html>

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Background

Previous C2 research and operational experience indicate that C2 Agility is a highly desirable capability for NATO and its member nations to pursue.

SAS-104 will provide the basics necessary to create and develop C2 Agility so that it can become an operational capability. This effort will be built upon the accomplishments of previous SAS Research Groups:

- SAS-050: C2 Conceptual Reference Model
- SAS-065: NATO Network Enabled Capability (NEC) C2 Maturity Model
- SAS-085: C2 Agility

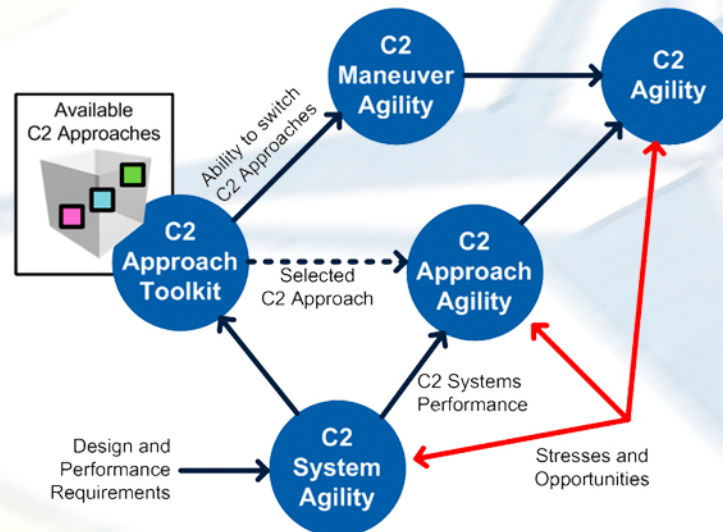
The work of SAS-085 found that the C2 Approach adopted by an organization or collection of organizations can have a significant impact on both measures of effectiveness and agility. Furthermore, the ability to appropriately adopt multiple approaches to C2 has the potential to enhance an entity's agility. Entities can not only perform better but are also better able to effect, cope and/or exploit change in circumstances. For its efforts, SAS-085 was selected to receive the NATO Scientific Achievement Award.

SAS-104 proposes to embark on a journey to improve our understanding of the relative agility of the different approaches to C2 and of what is needed to move C2 Agility from a promising concept to an value added operational capability.

The Need for Agility

Current and future NATO missions involve NATO and non-NATO military coalitions, interagency partners, international organizations, host governments, non-governmental organizations, private industry and local authorities and leaders. How these complex endeavours are effectively organized and managed over time is a critical issue.

NATO and its member nations must be able to think and function across the physical, information, cognitive and social domains, further increasing mission complexity. The complexity inherent in these operations requires the development of Agility to deal with highly uncertain and dynamic situations, when and where the current approach to C2 may no longer be appropriate.



Objectives

SAS-104 aims to improve NATO, member nation and coalition partners C2 Agility, by enhancing their ability to be successful in the face of increasing mission uncertainty and complexity.

We have the following objectives:

- Explain C2 Agility concepts and SAS-085 findings and conclusions, continue evidence gathering in case studies and exercises to further validate the C2 Agility concepts, and perform research on selected C2 Agility-related topics
- Partner with military organizations to develop the capability to employ more than one approach to C2
- Provide evidence-based advice on how to adopt the most appropriate approach
- Explore the costs and benefits of improving C2 Agility

Topics

- Locate an organization or collective in the C2 Approach Space
- Define the C2 systems' characteristics and performance necessary to support various C2 Approaches
- Construct an appropriate Endeavor Space and locate a situation in the Endeavor Space
- Select an appropriate C2 Approach
- Determine costs and benefits associated with C2 Agility
- Establish the changes needed for an entity to improve its C2 Agility