



Analytic Dynamics of Deterrence and Non-proliferation
19-22 March 2012 | The Navy Yard, Washington, DC

Terms of Reference

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Workshop Vision

The landscape of U.S. strategic prevention operations has changed dramatically over the past generation. That landscape change presents a formidable challenge to decision makers and raises questions for the analytical community – namely, how can analysis illuminate the range of issues related to prevention, and its subsets of deterrence, non-proliferation, and counter-proliferation? How does our Cold War experience inform deterrence and prevention in a post-Cold War world? This workshop will focus on exploring that range of questions and how analysis can inform them: How do we evaluate our efforts to sustain deterrence, and to sustain the Nuclear Enterprise as a whole? How do we provide insights to the QDR/NPR/NSS/NMS, and how can those insights inform policy and strategy? What are the approaches that illuminate non-proliferation and counter-proliferation? What role does arms control play, and how does analysis inform arms negotiations? What is the role of analysis in illuminating these questions, potential insights, and relevant courses of action?

Theories of deterrence are not new – in fact, a bibliography on Cold War era deterrence is too voluminous to list here. But while deterrence thinking and analysis in a world where the United States faced a single nuclear challenge is not new, the corresponding thinking and analysis of a twenty-first century world is far less extensive. We now live in a world in which the two pre-eminent nuclear powers are reducing their nuclear stockpiles rather than increasing them; in which the number of nuclear powers, which has been stable for decades, may be on the verge of increasing – in short, in a world in which the distribution of nuclear arms is as unfamiliar as anything we have so far confronted.

Objectives

- Improve analytic approaches and techniques that support sustaining deterrence
- Improve analytic approaches to prevention, non-proliferation and counter-proliferation
- Expand attendee understanding of sources of data/information related to deterrence and prevention
- Ensure analysts understand the DoD view of deterrence and prevention

Workshop Goals

- Attendance of at least 100 participants
- The meeting achieve an average attendee overall rating of 4 on 1 to 5 scale.

Workshop Organization

The workshop has both staff and line functions. The workshop will have several tracks addressing different aspects of deterrence and non-proliferation. Workshop participants will have matrix-style alternating attendance between tracks and discipline groups. These groups based on academic disciplines examine how the skills of their specialties may be applied to address the analytical issues across the tracks. The following shows the staff, track, and discipline group structure for the workshop.

- Co-Chairs: Clay Bowen and Pat McKenna
- Staff Leads
 - o Facilities: MORS Staff
 - o Site Lead
 - o Security
 - o Senior Leader Coordinator
 - o Terminology
 - o Bulldog
- Working Group Leads
 - o Analytic Support to Arms Control
 - o Analytics of Non-proliferation and Counter-proliferation
 - o The Carrots and Sticks of Deterrence – Analyzing What Deters
 - o Analytic Support to the U.S. Nuclear Enterprise
 - o Synthesis Working Group

Workshop Operation

This workshop will employ the traditional model of multiple working groups focused on complementary aspects of the deterrence, non-proliferation/counter-proliferation spectrum, with a synthesis group looking across all working groups. The synthesis group will look for common themes, and recommend real-time modification and refinements to the workshop. Each working group will be co-chaired, each with a deterrence/non-proliferation SME co-chair and core analyst co-chair with broad professional and MORS workshop experience. The co-chairs will develop an abstract, agenda, and expected outcomes to shape the activities of the WG, and maintain a balance between presentations and deliberations. Since the workshop deliverable is a product addressing the above questions, deliberation and out-brief writing will demand a substantial level of effort from all workshop participants.

The workshop will begin with a Keynote Speaker, an orientation to deterrence and non-proliferation.

Agenda

Monday, 19 March 2012

1200-1600 Foundations and Definitions discussion.

Tuesday, 20 March 2012

0800-1130 Plenary Session
President's Welcome, Trena Lilly
Sponsor Address, Dr. Jacqueline Henningsen
Keynote Address,
Plenary Address,
1130-1230: Lunch (on site)
1230-1630: Working Group Session 1
1700-1930: Mixer (site?)

Wednesday, 21 March 2012

0800-1130: Working Group Session 2
1130-1230: Lunch (participants may return to WG for a working lunch)
1230-1630: Working Group Session 3

Thursday, 22 March 2012

0800-1130: Working Group Session 4
1130-1230: Lunch (participants may return to WG for a working lunch)
1230-1630: WG Outbriefs
WGs 1, 2, 3, and 4
Synthesis Group
Concluding remarks

Friday, 23 March 2012

0800-1200: Final Report drafting
Workshop co-chairs
Synthesis group chair
Working Group chairs/co-chairs

Working Groups (WGs)

WG 1: Analytic support to arms control: (Chairs: Cecily Glissman, Richard Benson) This Working Group will explore analytic support to U.S. officials establishing U.S. positions in arms control negotiations with other countries. The group will propose and discuss analytic techniques and tools to evaluate, for example, trade-space between negotiating parties; comparison of the value of proposed U.S. force structures at various levels; optimum force at various levels; and ways to compare and evaluate each of the above.

WG 2: Analytics of Non-proliferation and Counter-proliferation (Chairs: Justin Anderson, Jody Ibanez, William Kroshl) This WG will focus on ways analysis can illuminate issues of non-proliferation and counter-proliferation. Specifically, how can we best evaluate DoD's role in preventing the spread of nuclear weapons; Where does counter-proliferation fit in the spectrum of campaign analysis; what analytical level (engagement, mission, campaign, strategic) is most useful in answering proliferation questions.

WG 3: The Carrots and Sticks of Deterrence – Analyzing What Deters (Chairs: Col Tom Timmerman, Jeff Todd) This Working Group will focus on analytic challenges in the evolving definition of deterrence: How did Cold-War analysts approach deterrence questions related to a single superpower adversary? How have the questions changed in the post-Cold War world? What analytic tools and techniques can best inform these questions? How does deterrence analysis inform DoD goals of Assure, Dissuade, Deter?

WG 4: Analytic Support to the U.S. Nuclear Enterprise (Chairs: LtCol Laura Garrett) What are the challenges of maintaining a nuclear enterprise in the post-Cold War? How does analysis inform challenges to personnel, stockpile stewardship, maintenance, operations at reduced numbers of warheads and delivery vehicles. How can analysis inform questions of logistics, transportation, de-milling and elimination as the size of the U.S. nuclear arsenal shrinks.

Potential Government Senior Leader Involvement

Workshop Leadership

The following individuals are leading this workshop.

Keynote Speaker: Dr. Brad Roberts

Co-Sponsors: AF/A9

Working Group Co-Chairs:

WG 1: Cecily Glissman (Sandia), Richard Benson (USAF)

WG 2: Justin Anderson (SAIC)

WG 3: Col Thomas Timmerman (DTRA), Jeff Todd (STRATCOM)

WG 4: William Kroshl/Jody Ibanez (JHU/APL); LtCol Laura Garrett (AF/NWC)

Synthesis Group:

MORS leadership attending include
Dr. Jacqueline R. Henningsen, SES, A9

Security Procedures

The workshop's highest classification will be SECRET. Given the subject matter, it will be limited to US only.

Facilities

The Washington Navy Yard

Catering and Conference Center
1454 Parsons Avenue SE, Bldg 211
Washington DC 20374

Visitors must enter the grounds at the 11th and O Street gate. The Washington Navy Yard is located along the Anacostia River near the [Washington Nationals new baseball stadium](#). The closest Metro station is Navy Yard. There will be parking in the conference center parking lot for MORS attendees.

Hotel Accommodations

Courtyard by Marriott Navy Yard
140 L Street SE
Washington, DC 20003
(202) 479-0027

The Mixer will be held on Tuesday evening from 1800 – 2000 at the Courtyard by Marriott Navy Yard.

If you need more information, please contact the workshop co-Chair, or contact the MORS office at 703-933-9070 or www.MORS.org.