



USAF Center for Strategic Deterrence Studies

AWC/CSDS, 125 Chennault Circle
Maxwell AFB, AL 36112-6427



Annual Report – Academic Year 2022

Mission: Develop Air Force, DoD, and other USG leaders to advance the state of knowledge, policy, and practices within strategic defense issues involving nuclear, biological, and chemical weapons

Goal 1: Educate Airmen and other USG leaders on how to think critically about the operational and strategic implications of strategic deterrence within the context of military operations

Professional Military Education:

- Air Command and Staff College electives: Homeland Security (9 students), Nuclear Wargaming (3 students), Leadership Theory: Okay, Now How Do I Apply It? (8 students)
- Joint (AWC/ACSC) electives: Deterrence Research Task Force: Advanced Deterrence Concepts (9 students)
- Air Force-wide distance learning courses: CWMD Fundamentals (41 students), CWMD Policy and Strategy (11 students)
- Field trips to Sandia National Laboratory, Los Alamos National Laboratory, Alabama Emergency Management Agency, New Orleans Office of Homeland Security and Emergency Preparedness, FBI, US Coast Guard, and Louisiana Offshore Oil Port

Professional Continuing Education (enlisted, officers, and civilians):

- Continued “Strategic Deterrence Basic Course” distance learning for Air Force Global Strike Command, teaching more than 1500 Airmen at multiple AFGSC bases and within AFMC units through the year
- Continued “Strategic Deterrence Basic Course for Executives” for Air Force Global Strike Command senior leaders (July 2021, August 2021)

Expert Speakers Visiting Maxwell AFB:

- Lt Gen James Dawkins, Deputy Chief of Staff for Strategic Deterrence and Nuclear Integration, March 2022



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Goal 2: Produce quality research on relevant strategic deterrence issues that contributes to policy-making while advancing academic scholarship

Original Research:

- CSDS Monograph, “Envisioning a New Strategy to Counter Great Power Use of WMD,” by Al Mauroni
- Lt Col Benjamin Jensen, “The Realities of a US-China Cold War,” AY22 Horner Award
- Major Frank Perry, “How Western Mirroring Could Result in Inadvertent Nuclear War with Russia,” AY22 Miller Award
- Four articles in *Modern War Institute*, *War on the Rocks*, and *Breaking Defense*

Information Repositories:

- All books, monographs, and occasional papers archived on the CSDS website
- SharePoint site for educational reference material on nuclear deterrence, arms control and nonproliferation, and counter-WMD issues
- Deterrence Research Knowledge Center taken down due to lack of funds



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Goal 3: Advise Air Force, DoD, and other USG policy-makers by offering critical insights and analysis on current and future (4-15 yrs) challenges posed by nuclear, biological, and chemical weapons

Air Staff engagement:

- Supported staffing of CWMD competencies and DAFI 10-2601
- Supported HAF/A10F Nuclear Cross-Functional Working Group

Workshops and Courses:

- Instructed 60 students at the George C. Marshall Center in Germany on CBRN terrorism (February 2022)
- Instructed multiple Squadron Officer School electives on strategic deterrence policy and biodefense concepts

Social Outreach:

- Facebook page highlights CSDS activities and CWMD community events
- CSDS News & Analysis ceased publication due to funding shortages
- Continued Twitter presence (829 followers, up from 785 last year), supporting DoD and USAF outreach efforts relating to nuclear deterrence and counter-WMD

External Engagement:

- Participated in the virtual USSTRATCOM Deterrence Symposium in September 2021
- Participated in the Jonathan Tucker CBW Symposium in January 2022
- Participated in the National Intelligence University's Counterproliferation Program of Research Symposium in June 2022