



UNITED STATES AIR FORCE
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Welcome to [USAF Center for Strategic Deterrence Studies](#) News and Analysis. As part of the CSDS mission to develop [U.S. Air Force](#), [Department of Defense](#), and other [government](#) leaders to advance the state of knowledge, policy, and practices within strategic defense issues involving nuclear, biological, and chemical weapons, we offer the government and civilian community a source of contemporary discussions.

Feature Report

[“Missile Warning Satellites: Comprehensive Cost and Schedule Information Would Enhance Congressional Oversight”](#). U.S. Government Accountability Office; Sep. 22, 2021.

"The U.S. Space Force is replacing a network of infrared, satellite-based sensors—that provide worldwide initial warning of ballistic missile attacks on the United States—with the Next Generation Overhead Persistent Infrared system (Next Gen OPIR). ... [GAO] made 2 recommendations, including that the Space Force provide Congress more transparent cost and schedule risk information for Next Gen OPIR." [Read Report](#).

Nukes and Deterrence, Counter-WMD, and Arms Control in News and Research

NUCLEAR WEAPONS AND DETERRENCE

- [Farewell, Bones: Air Force Finishes Latest Round of B-1B Bomber Retirements](#) (Defense News)
The 62-jet fleet is being phased out to make way for the dual-capable, stealthy B-21 Raider bomber now in production at Northrop Grumman.
- [Air Force Chief Anticipates ‘Something Special’ for B-21 Public Debut](#) (Defense One)
The Air Force unveiled the Raider’s predecessor, the B-2 Spirit, to the public at an elaborate ceremony in Palmdale, California, on November 22, 1988.
- [DOE/NNSA Los Alamos Site Office Head Briefs County Council On Pit Production, COVID, Omega Bridge](#) (Los Alamos Reporter)
The hiring of about 2,000 new employees is expected if LANL is to begin producing 30 plutonium pits per year by 2026, Wyka said.
- [US Navy Reorganizes Submarine Enterprise to Address Challenges](#) (Defense News)
The Navy has reorganized its submarine acquisition and sustainment enterprise to address attack submarine readiness and potential challenges building the Columbia class of ballistic missile subs.
- [Hoeven Highlights Growing Threats from China, Russia at Symposium](#) (Minot Daily News)
There is no topic more important to our national security than the preservation of strategic deterrence,” said Hoeven.

COUNTER-WMD

- [Hirono Lobbies For Missile Defense Radar During Hearing On Afghanistan](#) (Honolulu Civil Beat)
The Homeland Defense Radar – Hawaii is a controversial missile defense project that Congress has continued to fund despite efforts by Pentagon officials to zero out its budget.
- [Braille-Patterned Multiplex Lateral Flow Immunoassay for Detection of Biothreat Agents](#) (Global Biodefense)
Researchers established the baseline comparison for a triple toxin assay to singleplex assays for Staphylococcus Enterotoxin B, Ricin A chain, and Botulinum toxin.

US ARMS CONTROL

- [Arms Control: Can Its Future Be Found in Its Past?](#) (CSBA)
As one leading Russian scholar of arms control has argued, “legacy Cold War-era arms control is collapsing and an uncontrolled nuclear arms race is threatening to return.”
- [Joint Press Statement for the 20th Korea-U.S. Integrated Defense Dialogue](#) (DoD)
The ROK and U.S. delegations reaffirmed a shared goal of achieving the complete denuclearization of, and permanent peace on, the Korean Peninsula.
- [North Korea Continues a Barrage of Missile Tests](#) (New York Times)
North Korea has conducted seven missile tests since the congress, violating United Nations resolutions that ban the country from developing ballistic missiles.

COMMENTARY

- [Nuclear Deterrence and the Risk of Miscalculation](#) (ASPI Strategist)
"Given the heightened risk of war between China and the United States, we might take heed of this ancient wisdom. It is better to deter wars than wage them."
- [To Deter China, Relearn The Lost Art of Dissuasion](#) (Defense One)
“Unfortunately, the multi-dimensional nature of deterrence was forgotten during three decades of post-Cold War U.S. military dominance.”
- [What AUKUS Means For Australia: More Than Nuclear Subs](#) (Breaking Defense)
“It is consistent with the policy direction established by that document, which identified Australia’s strategy as 'shape, deter, respond.'”

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