



NORAD & USNORTHCOM Missions

- North American Aerospace Defense Command (NORAD)
 - Bi-national Command established between the Governments of the U.S. and Canada in 1958
 - Three Regions: Alaskan NORAD Region (ANR), Canadian NORAD Region (CANR), and Continental NORAD Region (CONR)
 - Conducts aerospace warning, aerospace control, and maritime warning in the defense of North America
- United States Northern Command (USNORTHCOM)
 - Unified Command established in 2002
 - Subordinate Commands: Joint Force HQ National Capital Region, Joint Task Force (JTF) Alaska, JTF Civil Support, JTF North, Army North, Air Force North
 - Conducts homeland defense, civil support, and security cooperation to defend and secure the United States and its interests

Two Commands ... Working Together



... Across a Range of Operations...

Homelands Defense



- Aerospace Warning
- Aerospace Control
- Maritime Warning

- Air
- Missile Defense
- Maritime
- Land

Security Cooperation



- Canada
- Mexico
- The Bahamas

Civil Support



- Disaster Relief
- CBRN Incident
- Civil Disturbance
- Special Events



...With a Host of Partners...

International



Department of Defense



Interagency







Approximately 60 People Representing More Than 50 Agencies



NORAD and USNORTHCOM Focus Areas

- Counter-Terrorism and Force Protection
- Transnational Criminal Organizations
- Defense Support of Civil Authorities
- Chemical, Biological, Radiological, Nuclear Consequence Management
- Maritime Warning and Control
- Aerospace Warning and Control
- Missile Defense
- The Arctic

Cross-cutting Focus Area: Technical Opportunities



N-NC/S&T Mission and Functions



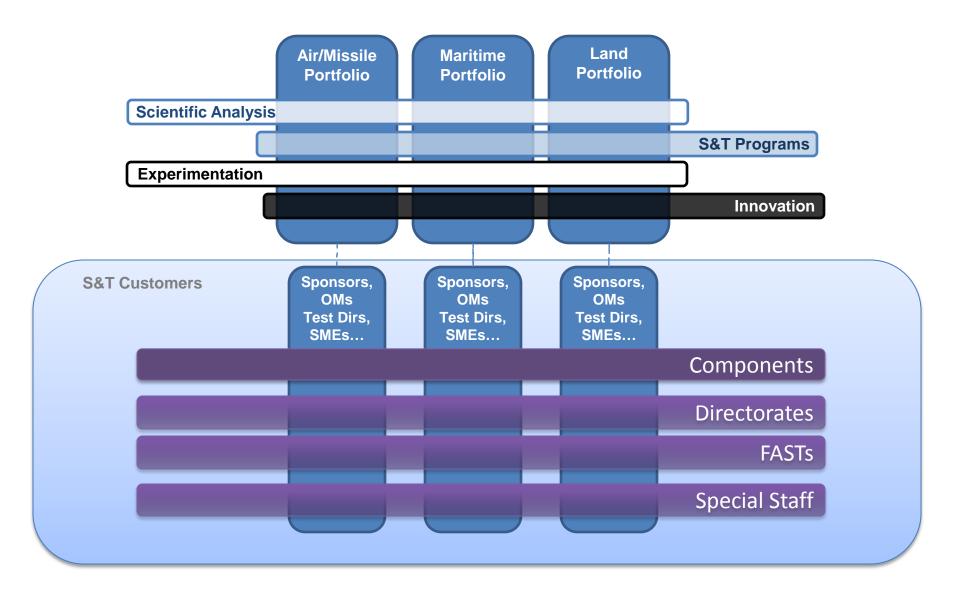
- Advises CDR, NORAD and USNORTHCOM and Deputy Commanders on all S&T matters
- Creates and executes strategies and supporting plans to exploit and develop innovative processes, technology and prototypes to respond to the needs of NORAD and USNORTHCOM
 - Leads studies, innovation, experimentation, enabling technologies, technology demonstrations, military utility assessments, and Joint Tests
 - Performs US and Canadian outreach efforts to identify, assess and integrate potential solutions for identified capabilities and requirements
 - Articulates needed capabilities with R&D organizations
- Critically reviews and eliminates unpromising programs and projects
- Synchronizes S&T activities across NORAD and USNORTHCOM staffs
- Focus is 6 months out to 15 years with innovation cycles of 6 36 months

S&T provides leadership and oversight of science, innovation and future capability initiatives in order to improve homeland defense, defense support of civil authorities, theater security cooperation, and other NORAD and USNORTHCOM mission capabilities



S&T Functional Organization







Technical Opportunities



