

Sandia National Laboratories and Global Security

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Presented by

Terri Olascoaga, Senior Manager
Cooperative International Security Programs

Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.

*Helping our nation secure a peaceful and
free world through technology.*

Mission

***Our highest goal is to become the laboratory that
the US turns to first for technology solutions to
the most challenging problems that threaten
peace and freedom for our nation and the globe.***

**“Exceptional service in the national interest”
– yesterday, today, and tomorrow**

Main Mission Areas

- Nuclear Weapons
- Defense Systems and Assessments
- Energy Resources and Nonproliferation
 - Global Security Program
- Homeland Security and Defense

All business lines are supported by a science, technology, & engineering base.





Global Security Programs

Mission

We reduce the threat from weapons of mass destruction (WMD) proliferation and terrorism through international cooperation to create sustainable, technology-based systems to meet US national security objectives.

Focus Areas

Nuclear/Radiological Threat Reduction

Biological Threat Reduction

Global Security Engagement



Counter Terrorism and Nonproliferation



Russia

Border Security



Pak/Afghan



Israel/Jordan



Facility and Transportation Physical Security



Improvised Explosives Device (IED) Defeat



Tools to Enable International Cooperation

CMC @ Amman: Forum for International Engagement in the Middle East



Iraqi Border Security workshop



Technology Demonstrations

Partners

- NNSA
- DoD (NDU, DTRA, CENTCOM)
- State
- USDA
- IAEA

Cooperative Technology Test and Evaluation Capabilities



Outdoor Test Facility for Border Monitoring



Physical Security Test Beds



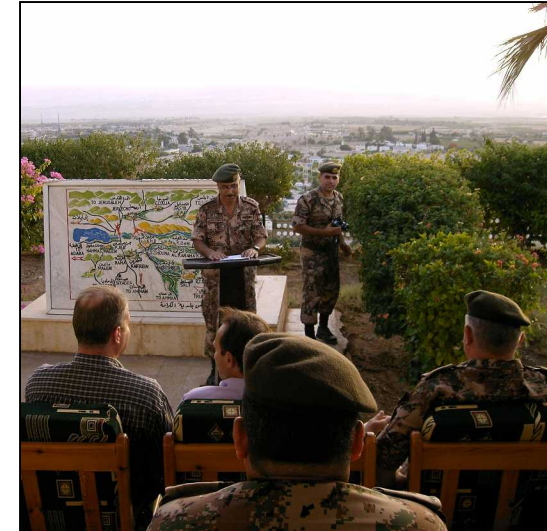
Cooperation on Explosives Detection and Border Security in the Middle East



Israeli security officer demonstrates explosives detection portal to Jordanians at the Israel/Jordan border (September 2005)



Israeli officials host US and Jordanian visitors for discussions on the use of the explosive detection portal (September 2005)



Sandia participated in an ATA assessment visit to Jordan in June 2006 and hosted follow visit to develop options for implementation in January 2007.

Next Step

Develop cooperative project with Jordanian security services on systems approach to border security in Jordan.



Summary

- As global proliferation and terrorist threats to US national security have grown, Sandia's Global Security Program has played an increasingly important role in reducing the risk of nuclear and biological weapons proliferation and terrorism
 - **Building on systems analyses and engineering, and science and technology foundations**
 - **Providing the critical link between technology and policy**
 - **Leveraging established and building new international relationships**

Meeting proliferation and terrorist threat challenges
today and tomorrow