



Cooperative Border Monitoring Middle East

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Second Annual Symposium: Sandia in the Middle East
Sandia National Laboratories / Albuquerque, New Mexico**

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Agenda

What is Cooperative Border Monitoring?

What are our capabilities?

Where can we make a difference?

- Multi-National Force and Observers (MFO) / Israel & Egypt
- Gaza Disengagement / Israel & Palestine
- Iraq & Neighbors



What is Cooperative Monitoring?

The process of obtaining and sharing agreed information among parties

- **Uses sharable technologies & data information gathering methods**
 - Treaty verification
 - Confidence Building
- **Assures equal access to results**
- **Stipulates procedures for dealing with anomalies**

*Workshops and
Training Classes*

*Research, Analyses
and Publications*

*Prototype System
Development and
Demonstration*

*In Region Projects,
Data Collection and
Cooperation*

***“Cooperative monitoring complements,
but does not replace, national capabilities”***



Border Monitoring Approach

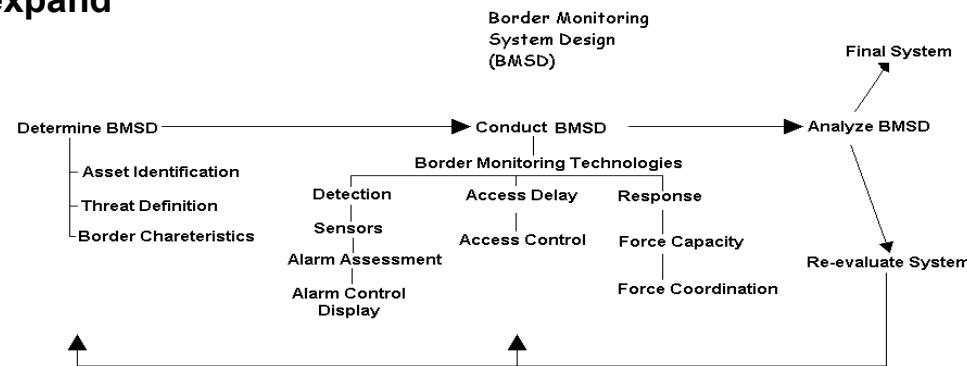
- Basic technology classes / field training

- System's approach
- Appropriate technologies
- Field testing and application concepts
- Define phased approach for design and implementation



- Actual border application

- Understand the threat
- Understand current capabilities
- Define system objectives and requirements for a field trial
- Develop pilot project
- Test, evaluate, and train
- Develop specifications to expand
- Develop cross border pilot





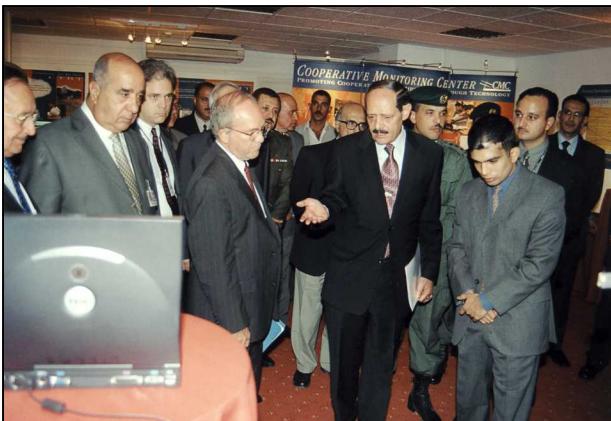
CMC@Amman – Facility for workshops and technical training



**CMC@Amman Technology
Display Area**



Border Monitoring Command Center



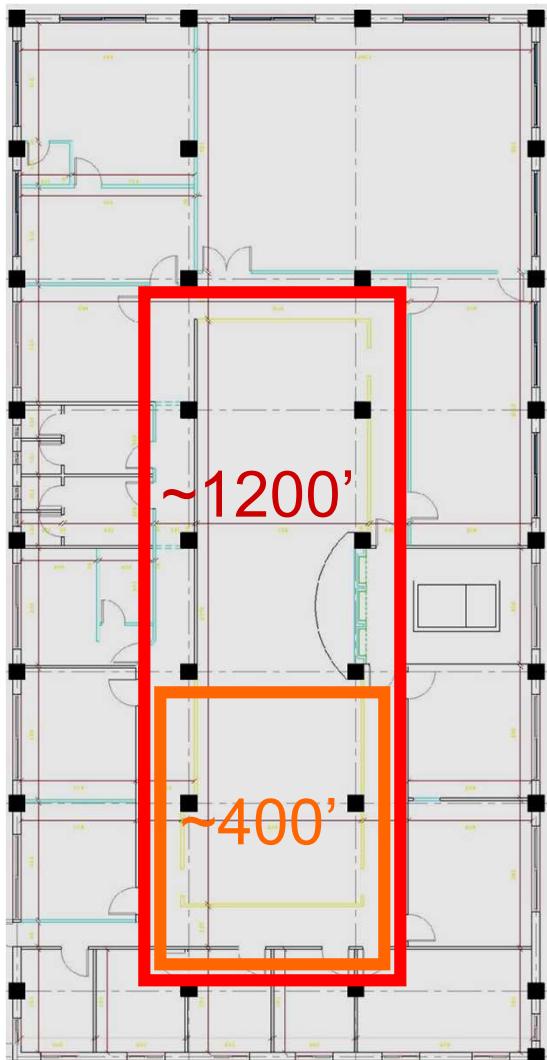
**Director Mohammad Shiyyab and
Prince Rashed at CMC@Amman Grand
Opening October 16, 2003**



CMC@Amman Field Test Area



CMC-A Expansion



**Technology Demonstration
and Training Area**



New Camera Tower @ OTF



The CMC Outdoor Test Facility - used for testing hardware performance and system designs





MultiNational Force & Observers (MFO)





MultiNational Force & Observers

The mission of the MFO is to supervise the implementation of the security provisions of the Egyptian-Israeli Treaty of Peace and employ best efforts to prevent any violation of its terms.

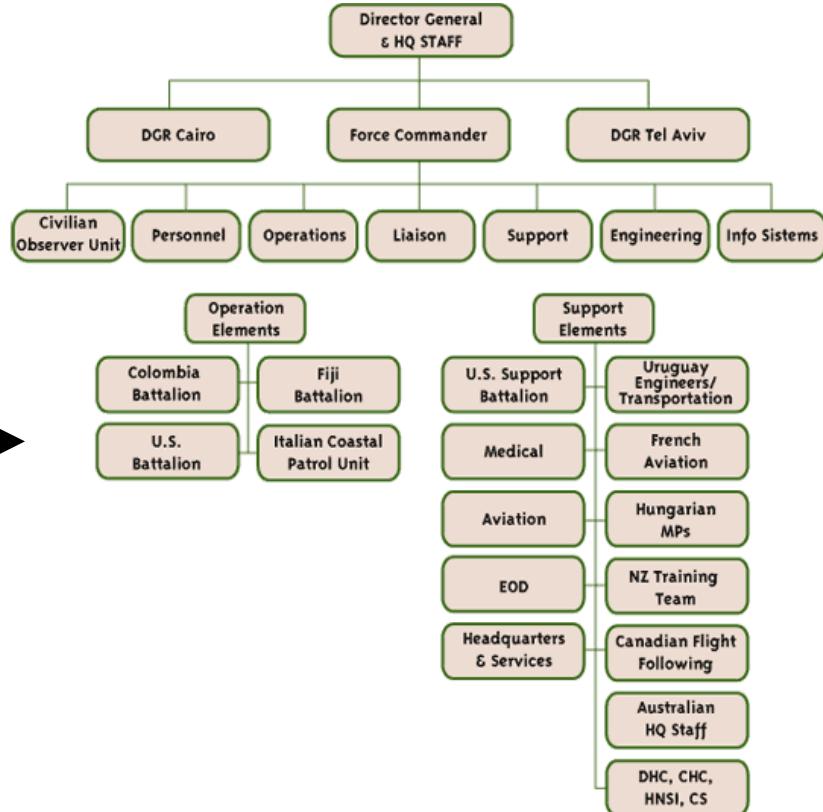
- Four Security Zones along the international border

- Three in Sinai in Egypt
- One in Israel

Signing of the Egyptian-Israeli Peace Treaty



March 26, 1979





MultiNational Force & Observers (MFO)

	Australia	25
	Canada	32
	Colombia	358
	Fiji	338
	France	15
	Hungary	41
	Italy	76
	New Zealand	26
	Norway	3
	United States	687
	Uruguay	87

Contingents & Size





Why CM for MFO & Why Now?

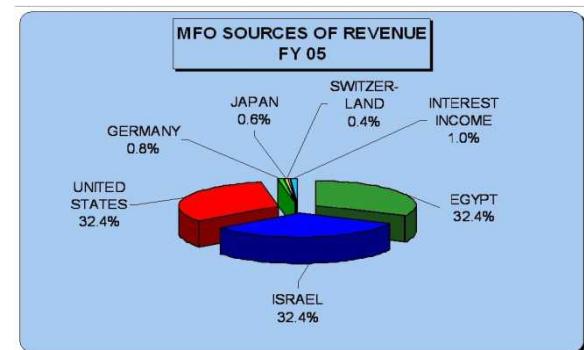
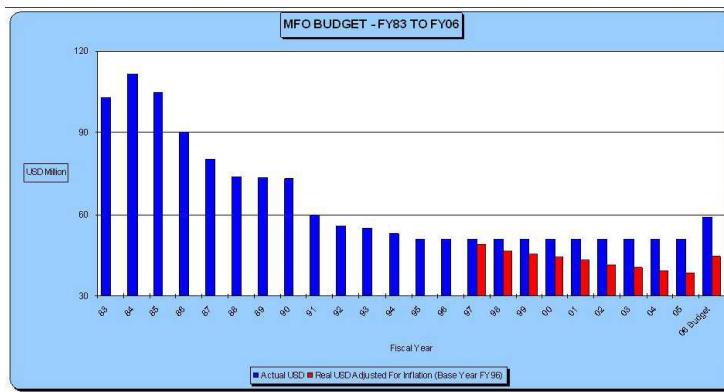
● Terrorism in the Sinai

- Oct 2004 – Bombings in Taba and Nuweiba, Egypt
- July 2005 – Bombing in Sharm el Sheikh, Egypt
- Aug 2005 – IED detonated outside North Camp
 - ◆ First time in history the MFO targeted



● Benefits of Technology for Border Security

- Reduce military presence (contingent strength ~1700)
 - ◆ In 2002, Secretary Rumsfeld calls for reduction of US troops 865 to 26
 - ◆ 2005 Director General's annual report, US troop strength = 687
- Continue treaty support
- Cost savings to Contingent Countries (2006 budget \$60M)
- Improved cooperative between Egypt & Israel
- Example to follow by other ME countries





Three Phase Approach to OSD Policy Office

- **Conduct initial study – site survey**
 - Define problem and recommend options
- **Conduct in-depth study**
 - Analyze options
 - Socio-political considerations
 - Develop implementation plan
 - Socialize ideas in policy circles
 - Hosting visiting scholars from Egypt, Israel, MFO and the OSD in Albuquerque
- **Implementation Phase**

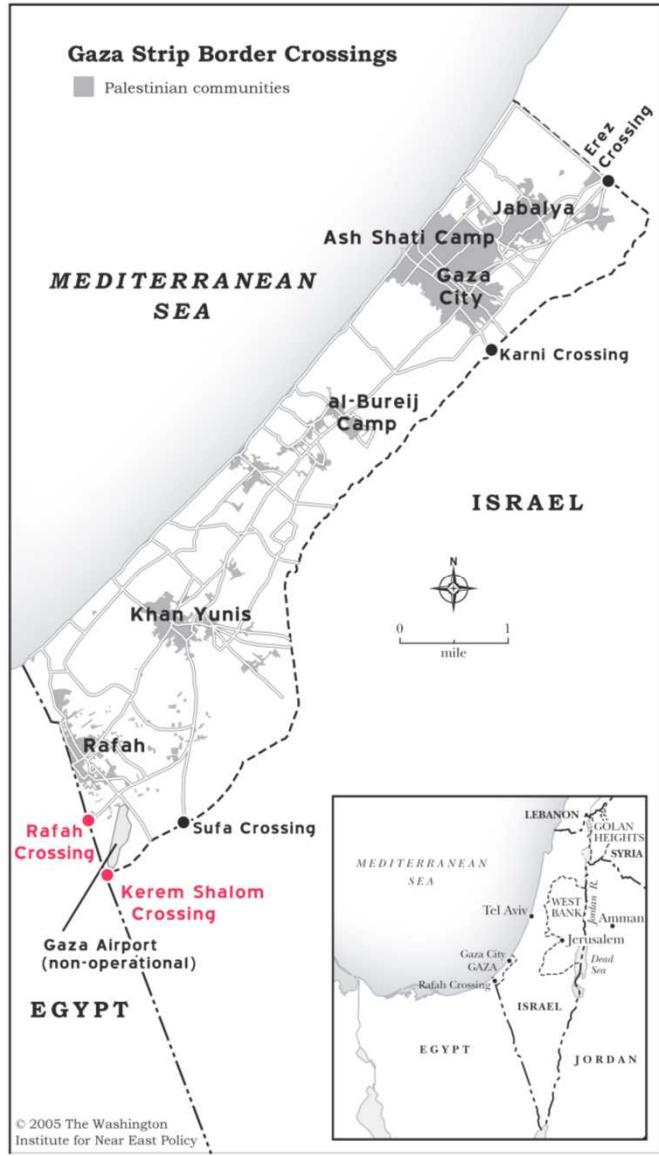


Gaza Disengagement





Gaza & the Philadelphia Corridor





The border area between the Gaza Strip and Egypt (The Philadelphia Corridor)

- Spring 05 – Egypt sponsored Israeli-Palestinian Summit
- Sep 1 – Egypt and Israel sign the Agreed Arrangements
 - Deployment of Egyptian Border Guard Force (BGF) in the Rafah Area
 - BGF to deal exclusively with the acts or threats of smuggling, infiltration, or terrorism
 - Permitted infrastructure - sentry posts, watchtowers, and logistical facilities
 - Egypt liaison cells & officers at various IDF brigades & battalions
 - MFO conduct third-party implementation monitoring
- Sep 10 – Egypt deployment of Border Guard Force
- Sep 12 – Israel withdrew forces from Gaza Strip
- Nov 15 – Israel & the Palestinian Authority reached the Agreement on Movement and Access
- Nov 25 – Opening of first self-governed passage with Egypt

Israel expects wide international support for the disengagement process. This support is crucial in order to bring the Palestinians to implement their responsibilities in the areas of fighting terrorism and carrying out reforms according to the road map peace plan. Only then can both sides return to the path of negotiations.

Potential Role of Cooperative Border Monitoring

- Border control and monitoring are direct issues concerning the Israelis and the future of the Peace Plan
- Many Israelis skeptical of Palestinians & Egyptians to effectively control border



The border stretches for 14km

In September 2005, the MFO took on the new responsibility of monitoring the deployment of Egyptian Border Guards along the Egyptian side of the border between Egypt and Gaza



Update on Iraq Border Security







Question: What's New Since Jan 2005?

Answer: Not Much

- **Jordanian International Police Training Center (JIPTC)**
 - US Customs and Border Protection personnel and US Marine Corps instructors
- **Oct 2005, \$17.2M Border Guard Academy in Sulaymaniyah**
 - Other Academies - Wasit and Basrah provinces
- **Department of Border Enforcement deficiencies**
 - Four-wheel drive vehicles
 - Night vision equipment & other surveillance technologies – inadequate
- **Recent Border related incidences**
 - Nov – Suicide bombers strike 2 Shiite mosques near Iranian border
 - Nov – Iraqi troops find bodies of 27 Iraqis near Iranian border
 - Nov – Iraqi suicide bombers of hotels in Amman arrive in Jordan by car with forged passports
 - Oct – Iraqi Army's 5th Division takes over Forward Operating Base Caldwell
 - Oct – Eight Iraqi border guard bodies found, bound and blindfolded
 - Aug – Katyusha rockets smuggled across Jordan border
 - Aug – Kuwait / Iraq border location dispute
 - Aug – British soldiers intercept explosives shipment at Iranian border





Iraq's Neighbors

● Syria

- **Border considered to be most heavily compromised**
- **Al Anbar Province hub of foreign insurgent activity**
- **Anywhere from 200 to 500 thousand Iraqis reside in Syria**
- **Syria says their 557 border posts have stopped 1400 foreign fighters**



● Iran

- **High profile interceptions of arms/explosives in mountainous area**
- **Major crossing of Iranian Shiite pilgrims crossing to holy cities**
- **Kurdish dissident groups & illicit drug trade**
- **May 2005 Iran's Foreign Minister visits Iraq to discuss border security**

● Turkey

- **Insurgent penetration not generally considered issue from Kurdish held north**
- **PKK (Kurdistan Worker's Party) bases in Iraq, stages terrorism in Turkey**
- **Turkey is motivated to improve security for their own protection**

● Jordan

- **August rocket attacks & November hotel suicide bombings**
- **Recent events have led to increased border security**

● Saudi Arabia

- **Disproportionately large number of foreign Arab insurgents KIA**
- **July 2005 Saudi Government spending \$1.2B on border security**
 - ◆ **35,000 guards, barricades, air surveillance, cameras, night vision technology**

● Kuwait

- **Main issues not insurgents but demarcation disputes related to security barrier placement**



What Can Technology Really Do?

- Monitor areas that are difficult to patrol or are natural chokepoints
- Free up forces to focus on other areas & issues
- Supplement the Iraqi Border Forces as they take more responsibility
- Can be used as an avenue to conduct collaborative / cooperative border monitoring programs with neighbors





Where Do We Go From Here?

- Move forward for role in MFO reduction by developing cooperative monitoring project between Israel and Egypt
- Use this as example for the other regions
 - Israeli & Palestinian's Road Map to Peace
 - Take advantage of current collaborations between Iraq and neighbors
- Utilize the facilities and capabilities of the CMC-Amman