Operation Iraqi Freedom

Joint EW Architecture Most advanced ever – TES, DSN CNF Bridge, pagers, AC10, WOTS, ADSI, C2PC, AMDWS, AEGIS, COBRA JUDY

> 1st ever PAC III, GEM, and GEM+ kills

Textbook Deployment (rail, sea, air)

Attack Operations
Pre-combat operations:
destroyed 2 Ababil-100 TELS

Multi-service SADCs

LARs, MIRs, OAIs combat multipliers!

"PLAYBOOK"
Reinforce Maneuver
coverage approved by LTG
McKiernan

1st ever Wartime Coalition Patriot Operations

No loss of life or equipment due to an Iraqi TBM 9 for 9

1-7 ADA 15 C-5s, 21 C17s Largest movement of Patriot by air

Joint Attack Operations Successful finding, fixing and killing Enemy TBMs

Operation Iraqi Freedom IMD TF Operations in 8 Countries

41 BTRYS, 7 BNS, 4 BDES, 6500 SOLDIERS

92% Operational Rate during war

CZAR of Operational Protection (MP, NBC, ADA)

> UNCLASSIFIED (DESTROY AS OPSEC SENSITIVE)

Cruise Missile Threat is Here and Now

Joint Area Air

Defense Plan

45 CH47 Sorties to deliver supplies

1st employment of Battery Command Post (2 BNs) LNOs in 6 countries

1st Ever support of the USMC by a Patriot Brigade

Innovative use of Float equipment – "Shortstop"

EW provided to Kuwait. Activated 170 Sirens

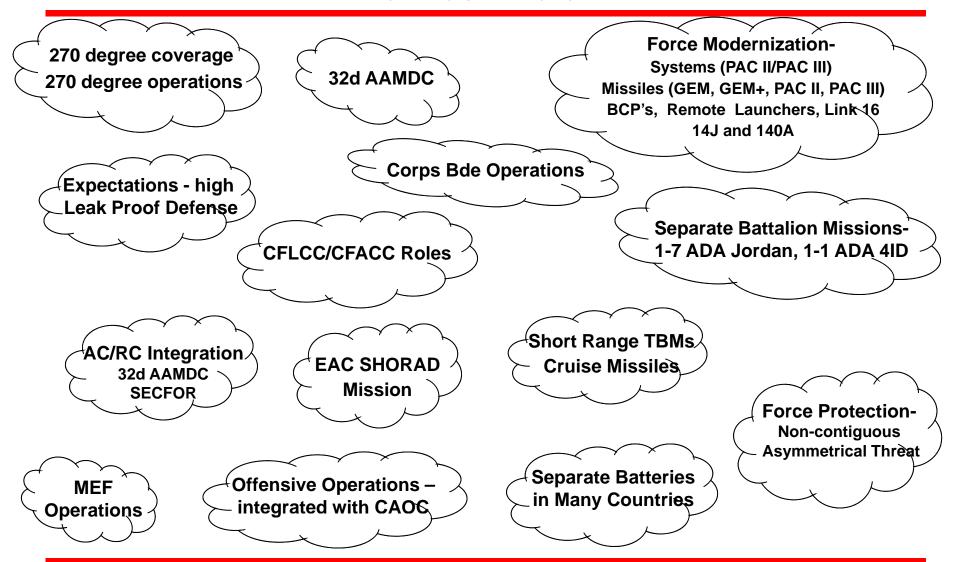
1069 Missiles Moved

1st ever Remote Launch Operations

AMDWS mission sharing and air picture with 48 boxes, 19 units; including 1st UK Div and I MEF

Desert Storm -vs- Iraqi Freedom

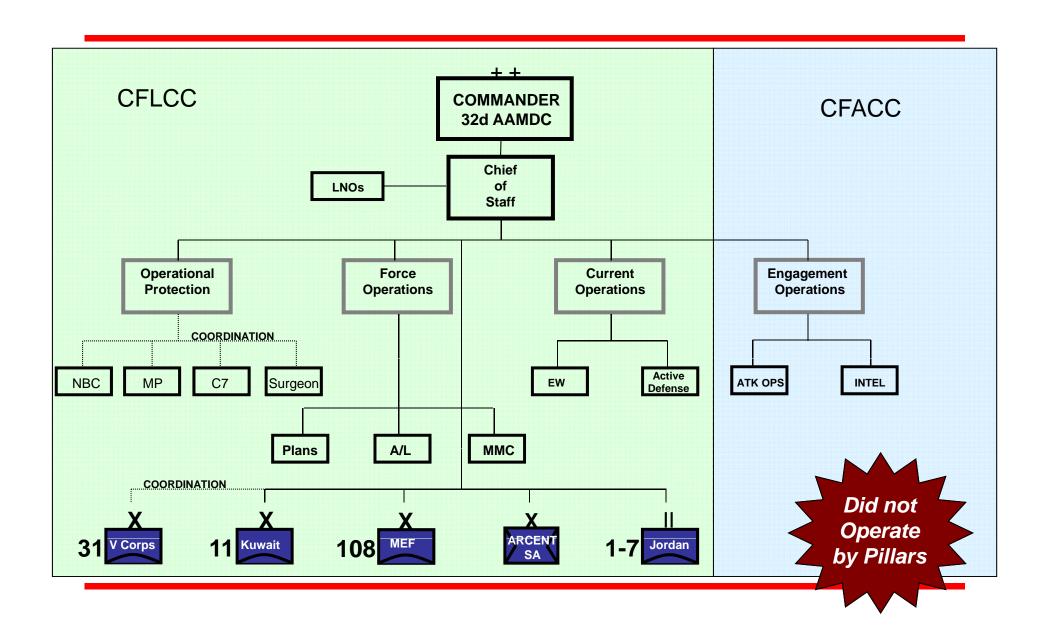
What was Different?



Command, Control, and the roles of 32nd AAMDC

Defining the Command

32nd AAMDC OIF Organization



Roles of the AAMDC Commander

Senior ADA Commander

- Single POC for Army AMD in Theater
- Responsible for AMD Operational Planning
- Conducts Defense Design-Operational Level Planning
- Recommends DAL
- Develops AMD Annex for CFLCC
- Commands all EAC Patriot

32d AAMDC does more than active defense!

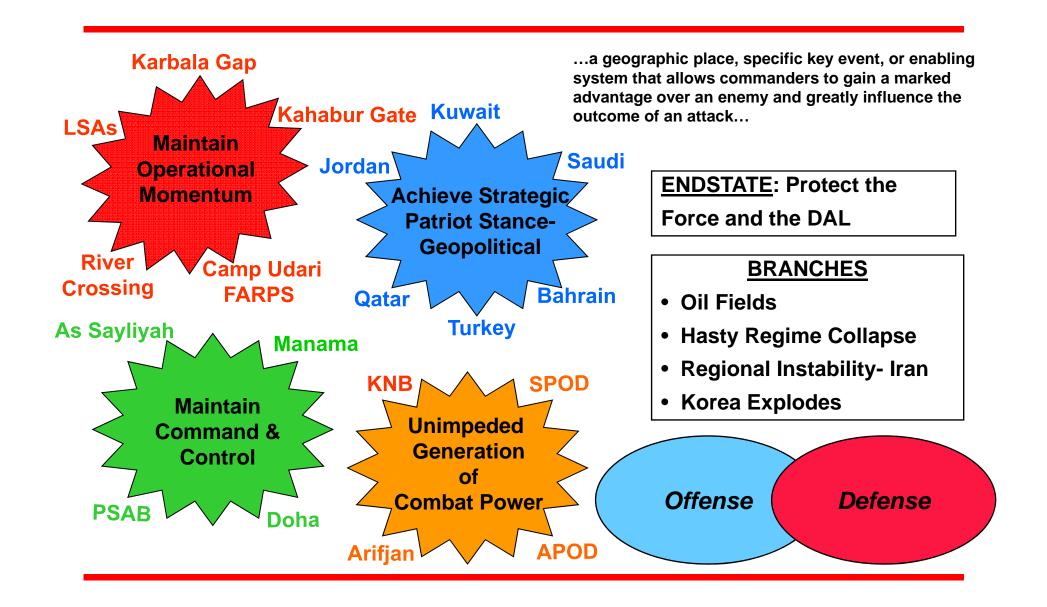
Theater Army Air and Missile Defense Coordinator (TAAMDCOORD)

- Synchronizes Air Defense Ops
- Develops and Maintains TAMD IPB/Situation Template
- Assists in Target Definition
- ISR Recommendations
- Input to Target Nomination Process
- Disseminates Early Warning
- Vulnerability Analysis/NBC Reporting
- Input to Target Nomination Process
- Develops AMD Annex for CFLCC
- Provides LNOs to Higher and JTAMD C2 Nodes and Accepts LNOs from Lower Elements and Components

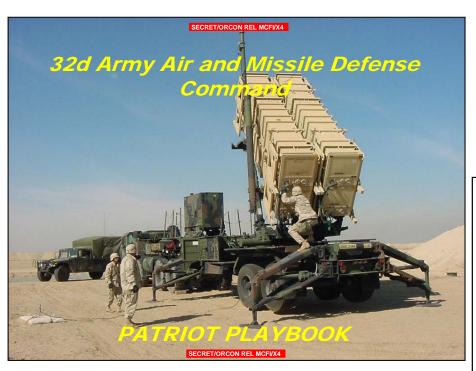
Deputy Area Air Defense Commander (DAADC)

- Integrates Air Defense in Theater
- Integrates 2 Levels of Modernized Patriot Force
- Chairs Repri-Board
- Recommends CAL/DAL with CVT Methodology
- Assists with AADP development
- Assists in Theater Early Warning
- Provides LNOs (ADAFCO) to CRC/TAOC/AEGIS
- Integrates AMD Communication (Data/Voice)
- Issues SAM/SHORAD Tactical Order (SSTO)
- Integrates Coalition AD

Decisive Points

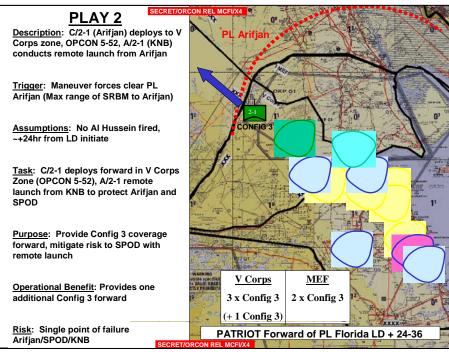


32nd AAMDC Playbook



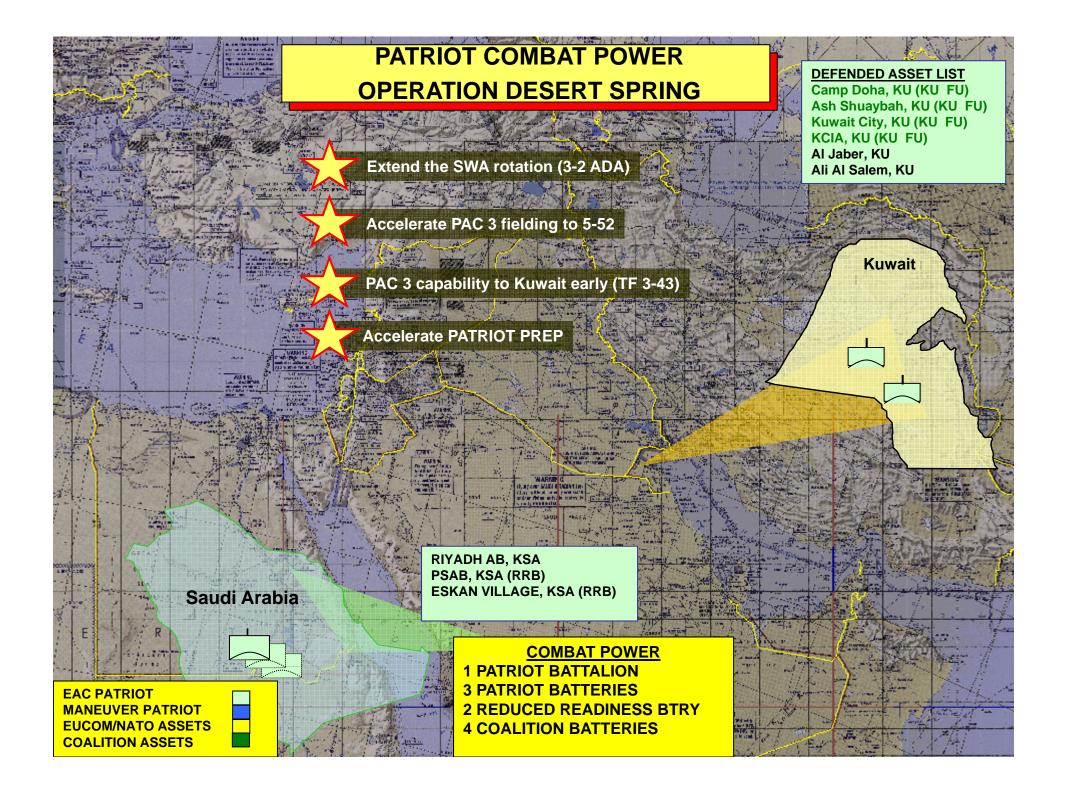
Plays were briefed to COMCFLCC and the V Corps Commander, and were used by subordinate commanders for deliberate planning. "Let me begin by saying this will be a campaign unlike any other in history — a campaign characterized by shock, by surprise, by flexibility, by the employment of precise munitions on a scale never before seen and by the application of overwhelming force," Gen. Franks

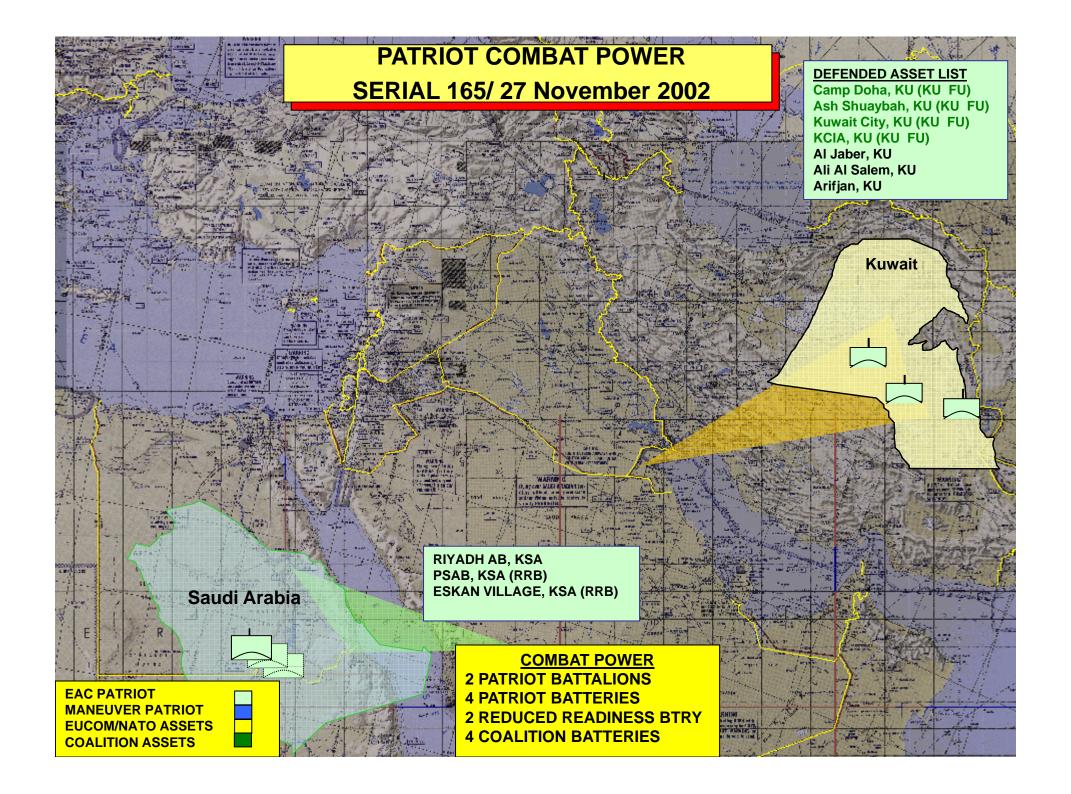
10 "Plays" that provided flexibility

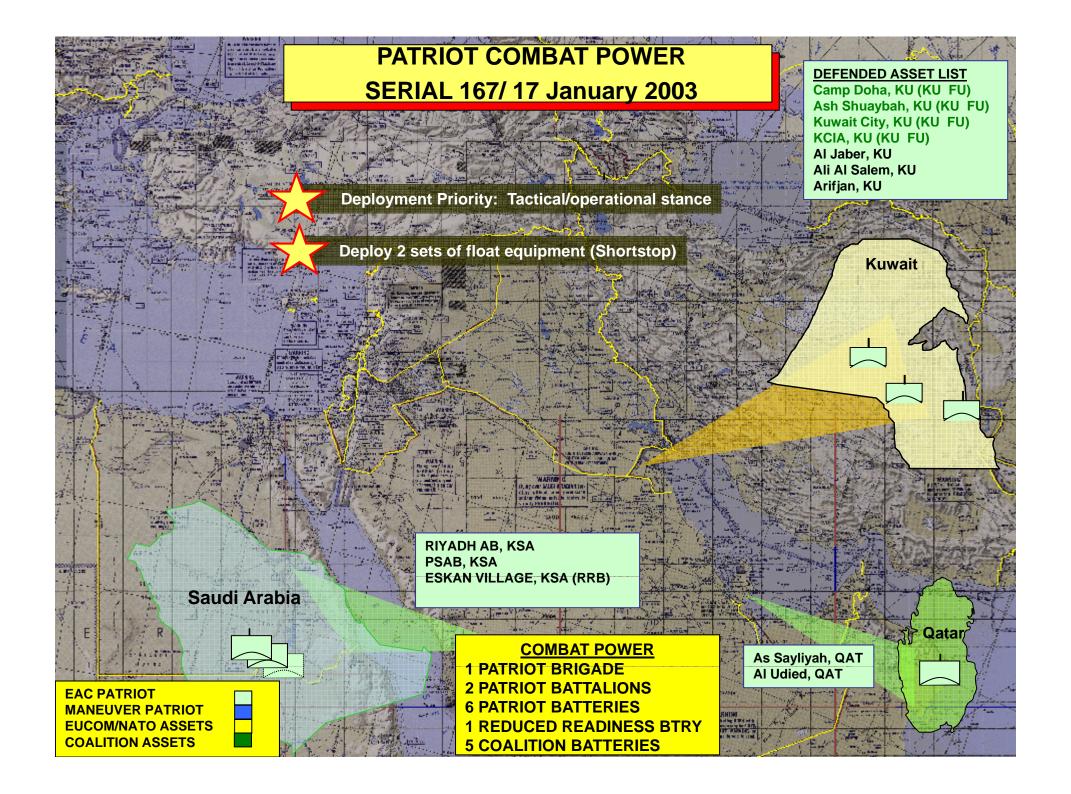


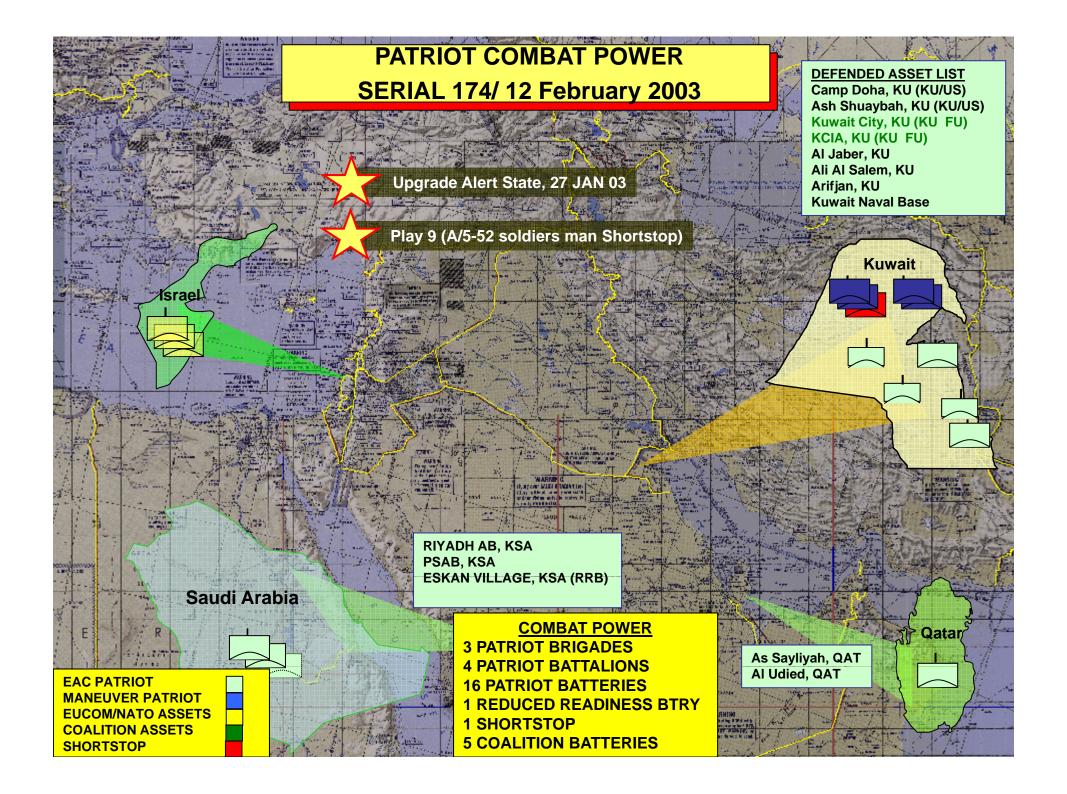
Flow of Forces

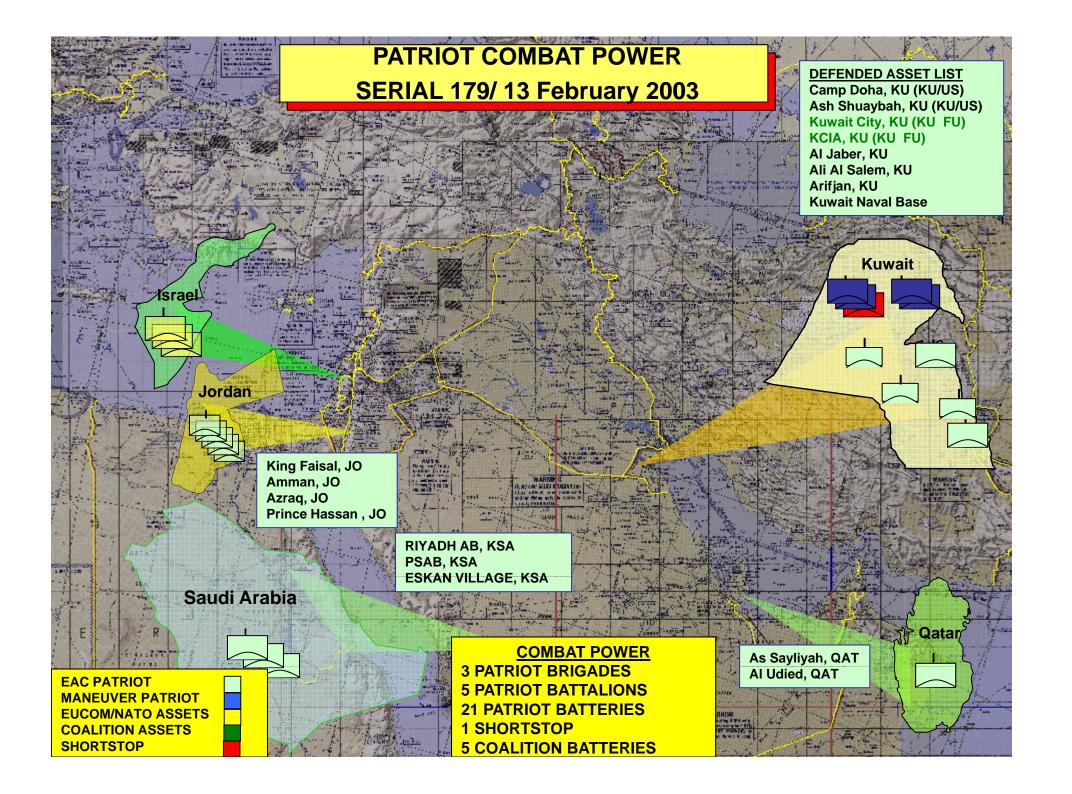
Achieving the TMD Stance

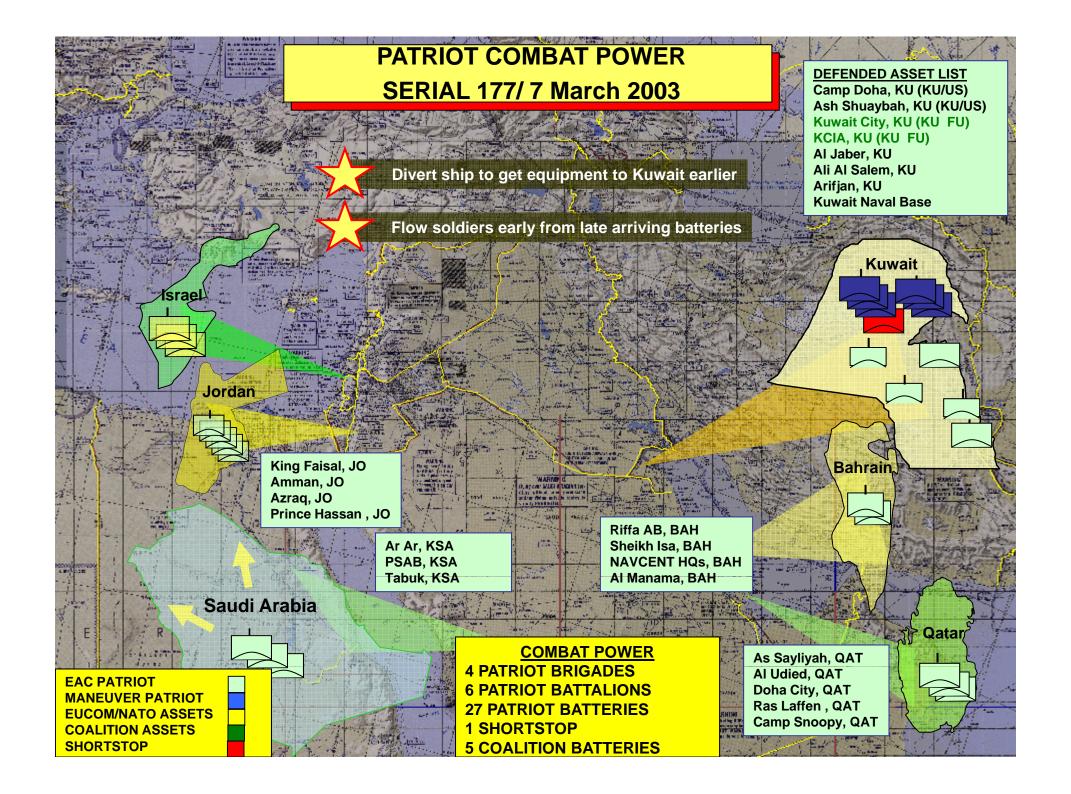


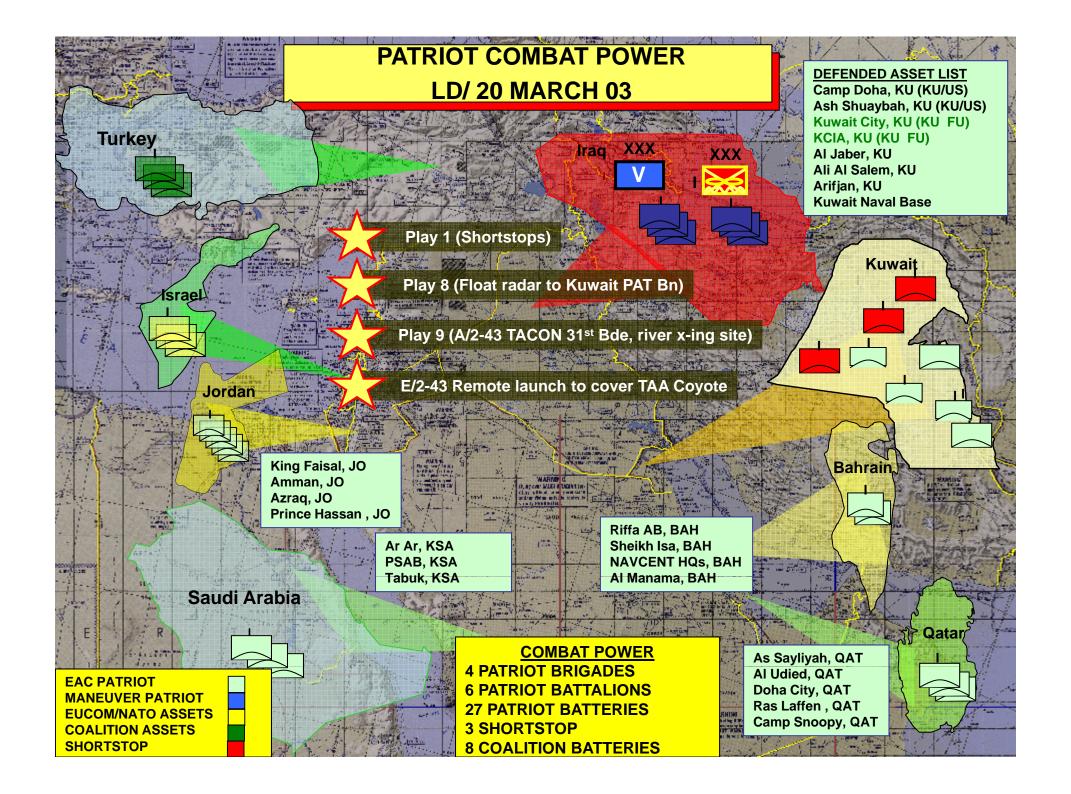


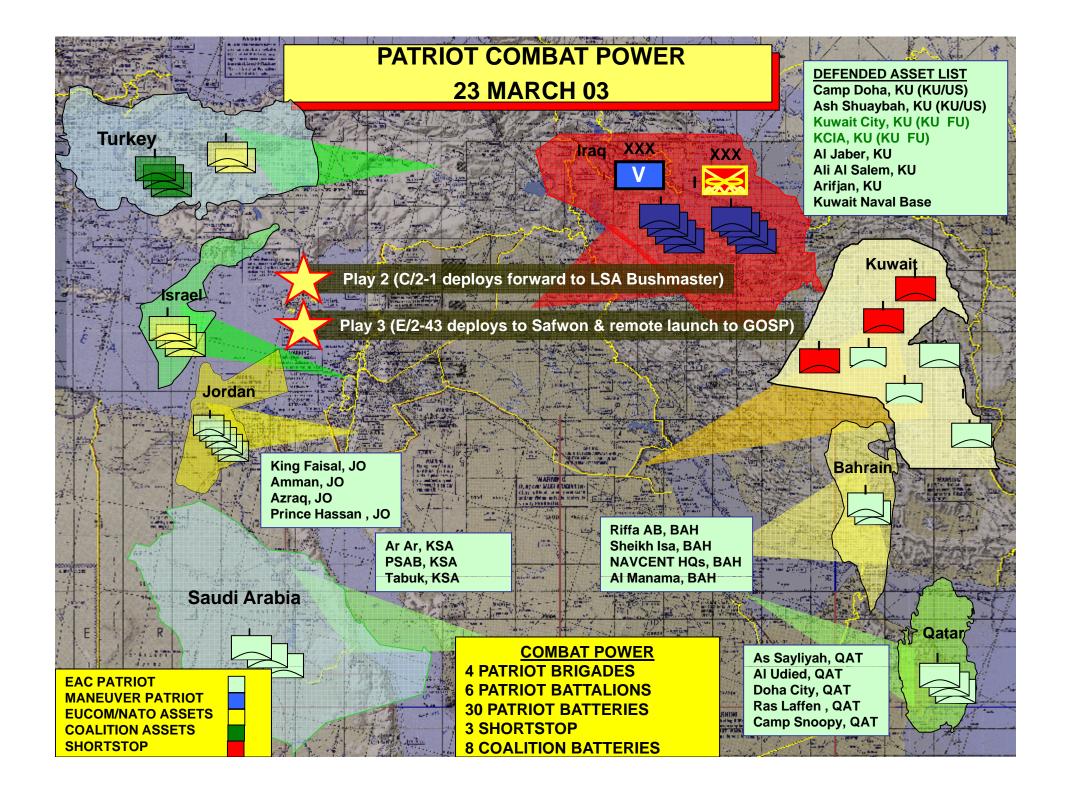


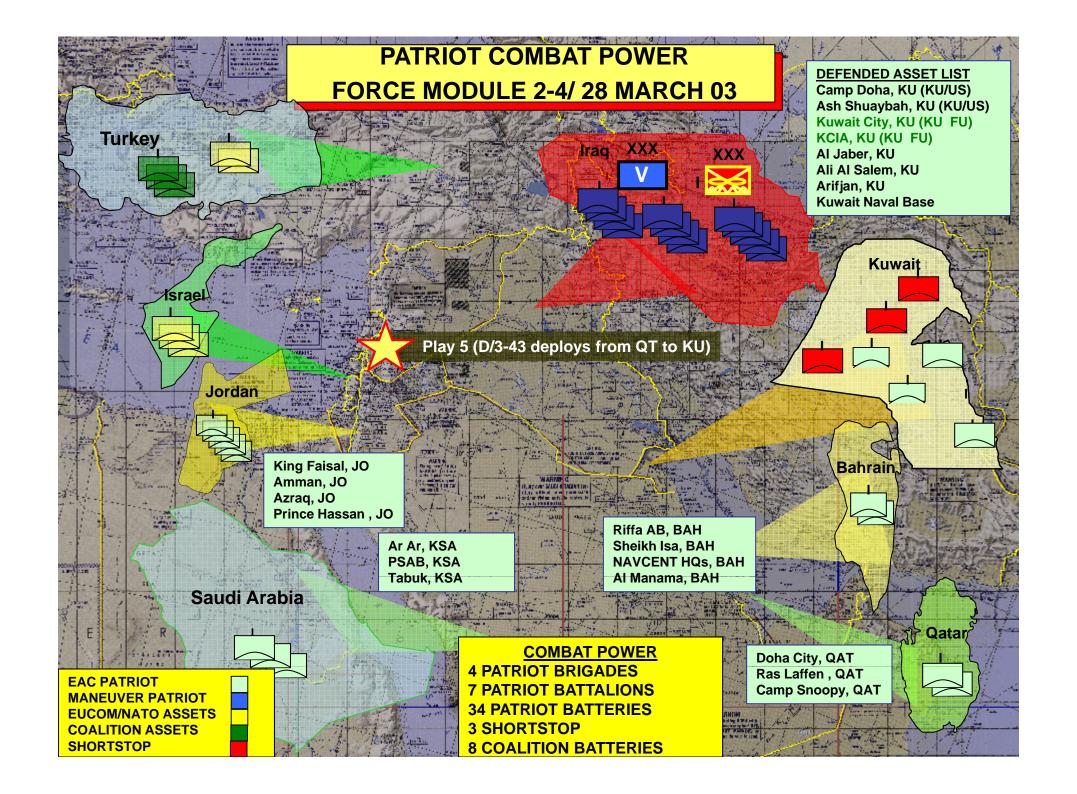


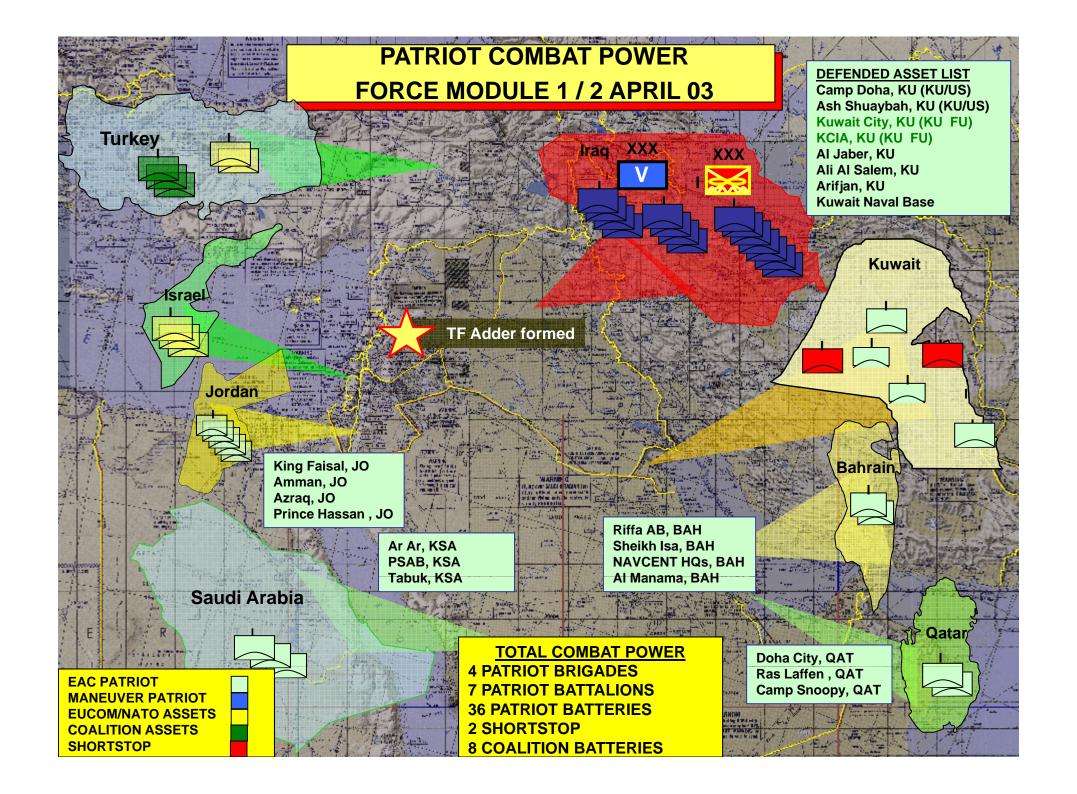


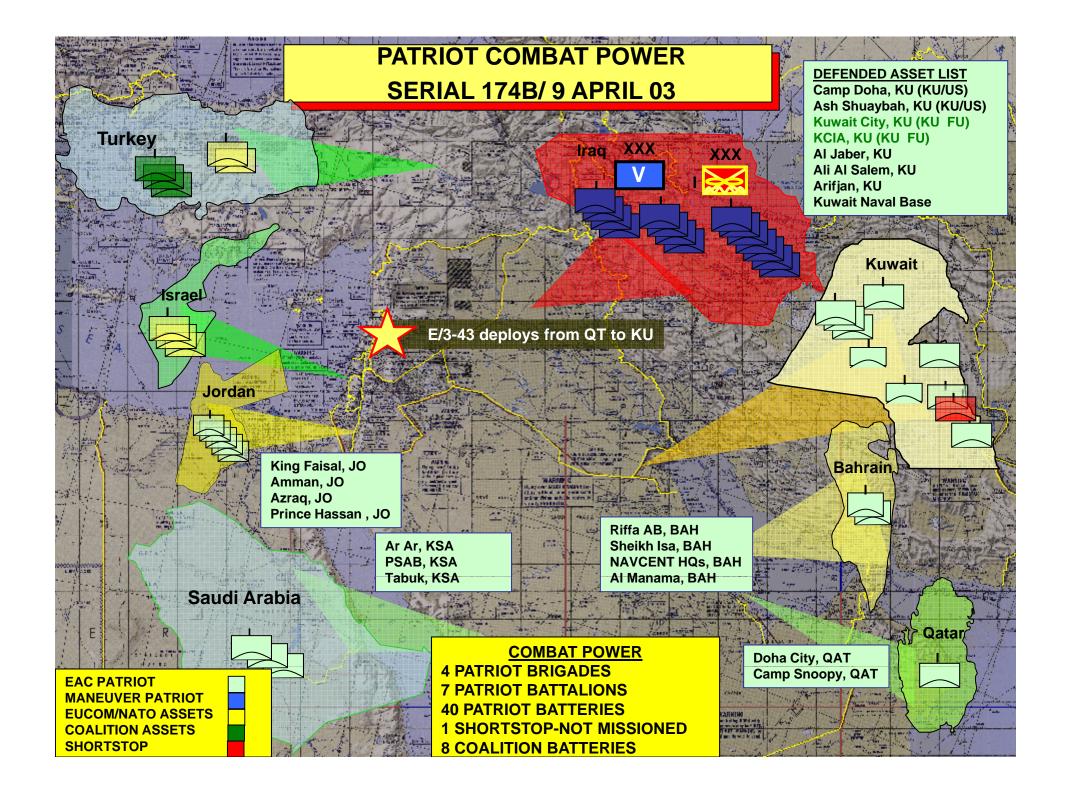


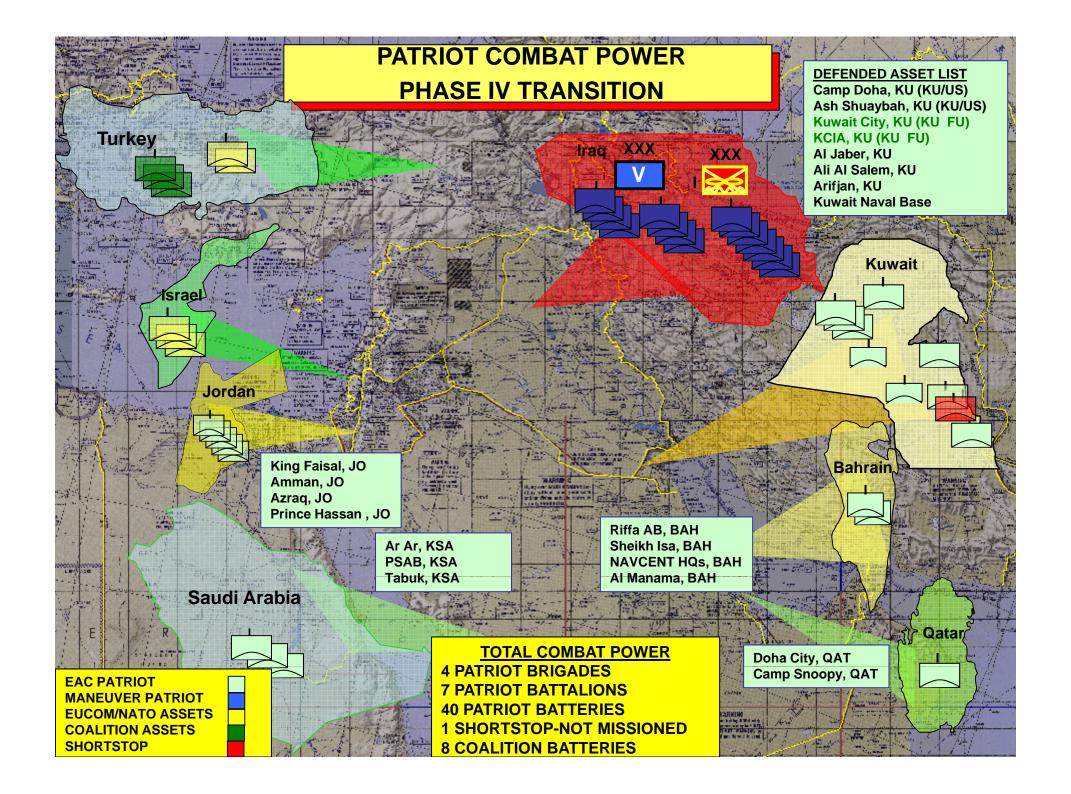




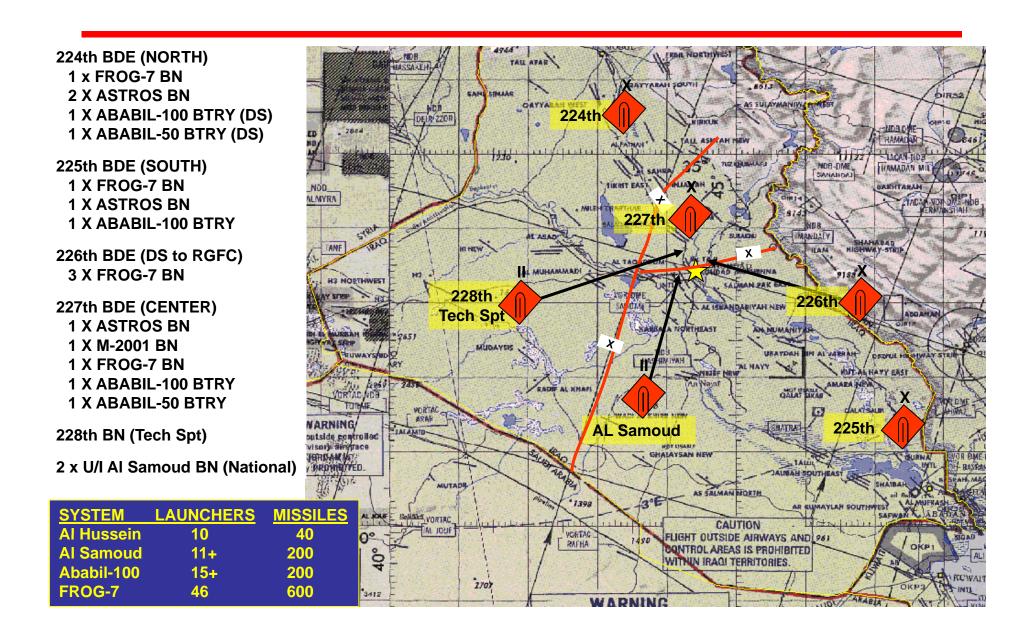




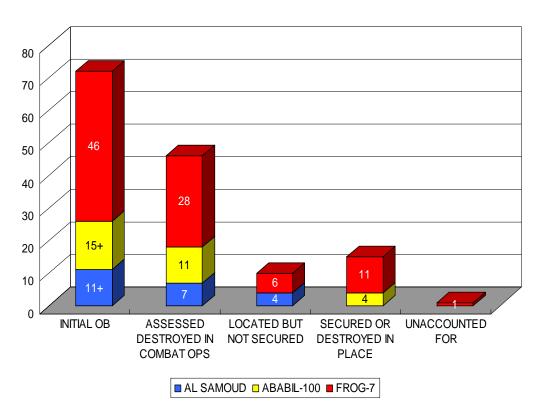




Pre-Hostility SSM Situational Template



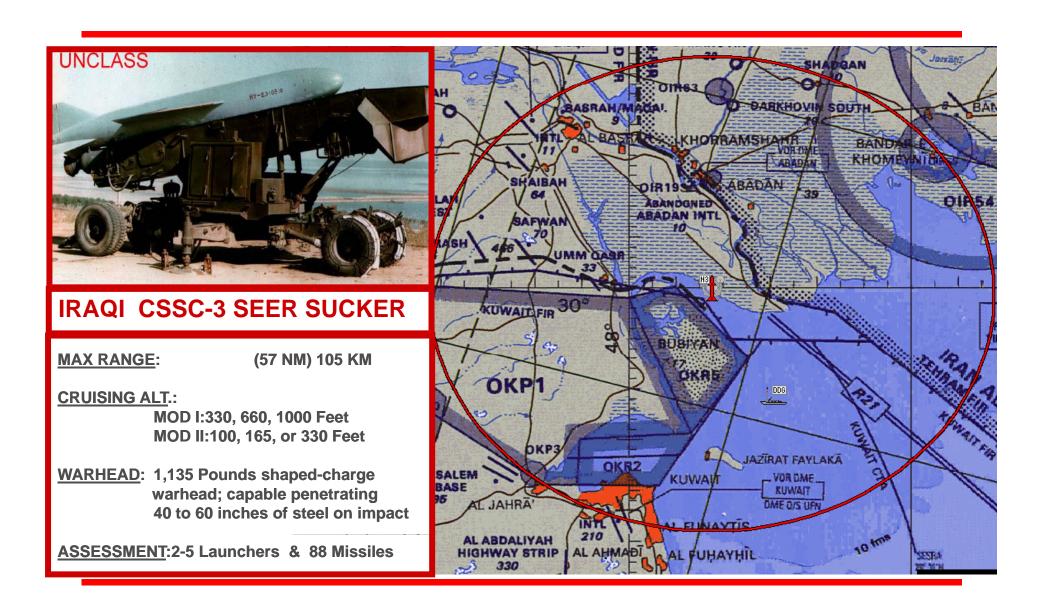
Post-Hostility SSM Situation







Iraqi Cruise Missile Threat



Active Defense

The Iraqi Missile Fight



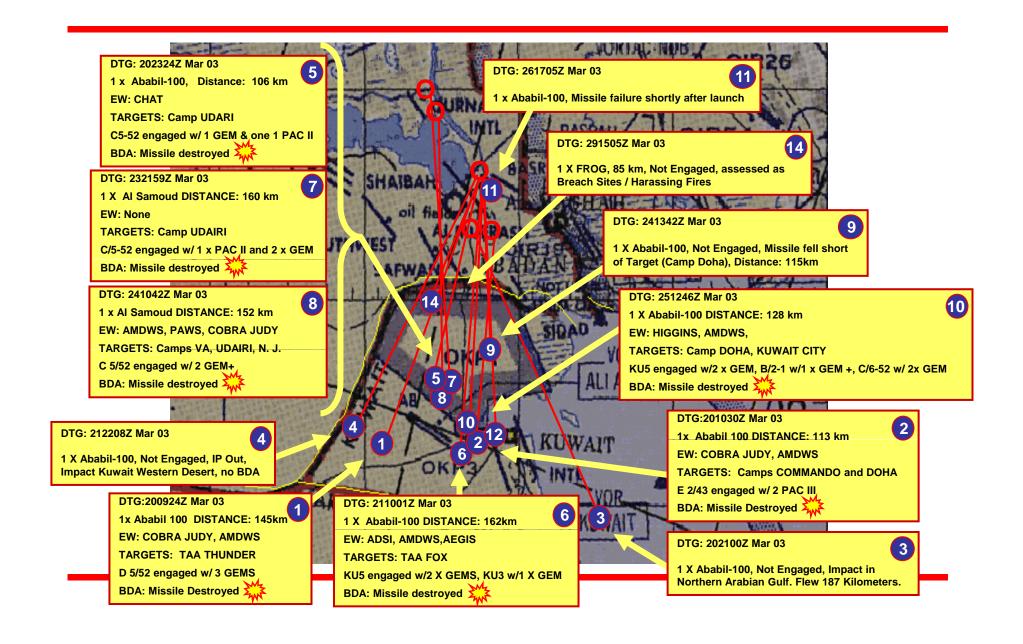
Coalition Media Center Camp As Sayliyah, Qatar

Media Briefing Support Imagery 28 March 2003

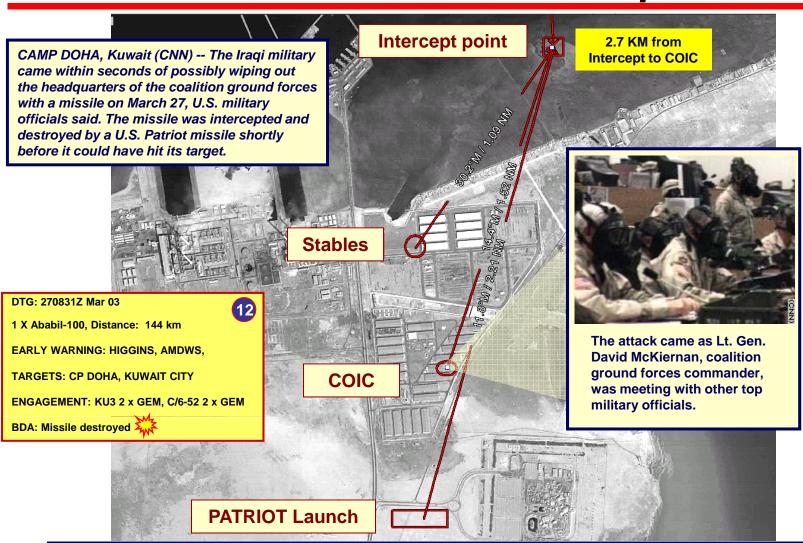
Attack on Ababil 100 Surface to Surface Missile

Unclassified

Summary of Launches against Kuwait

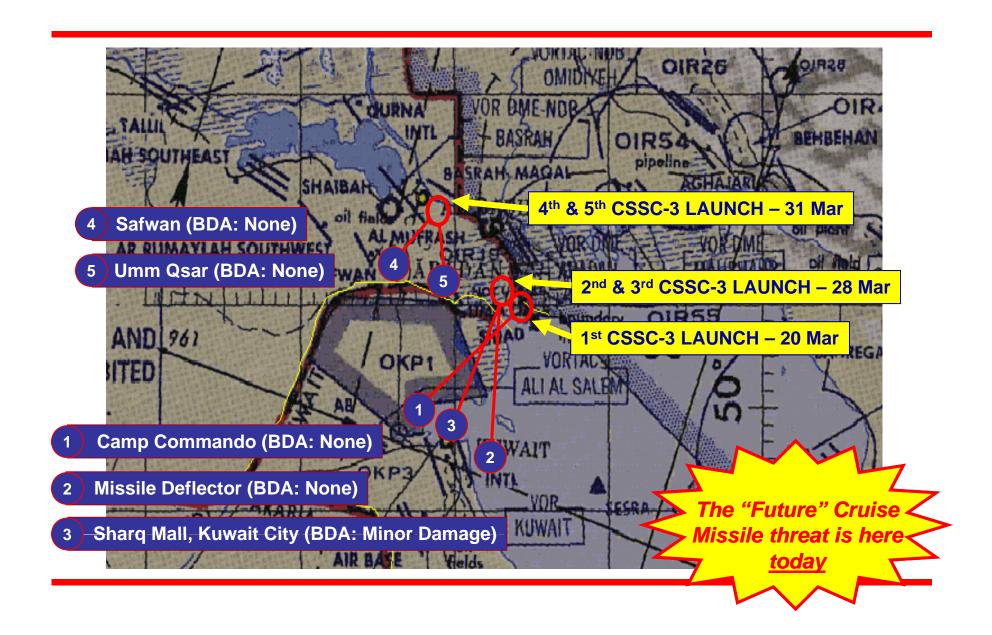


Volley 12 "Saddam's decapitation strike" The Defense of CFLCC Headquarters

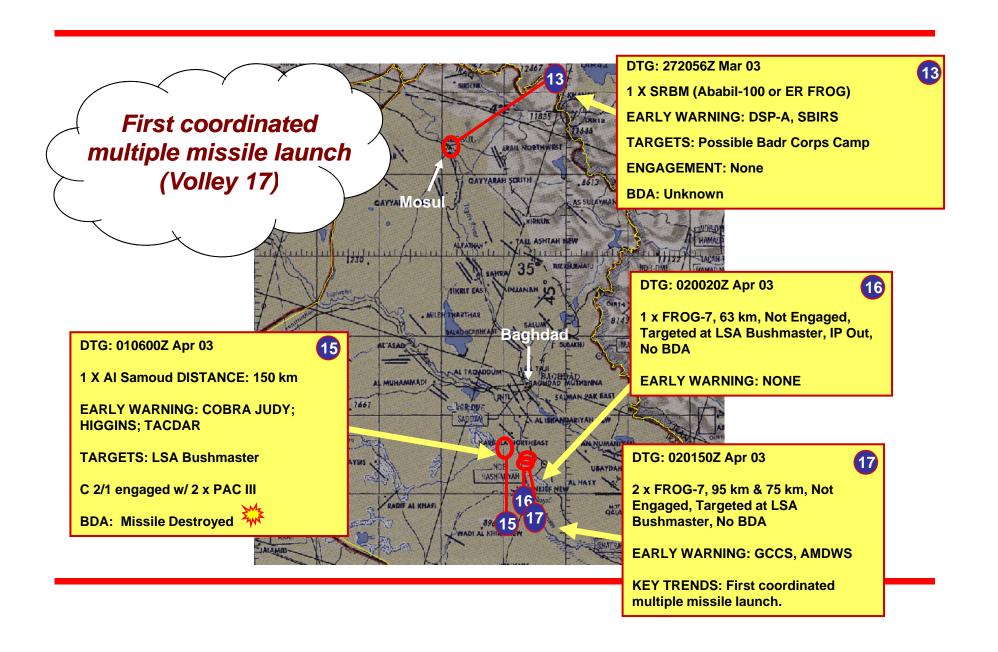


"Stay calm, continue the BUA, and let PATRIOT take care of it." COMCFLCC

Summary of CSSC-3 Launches



Summary of Launches in Iraq



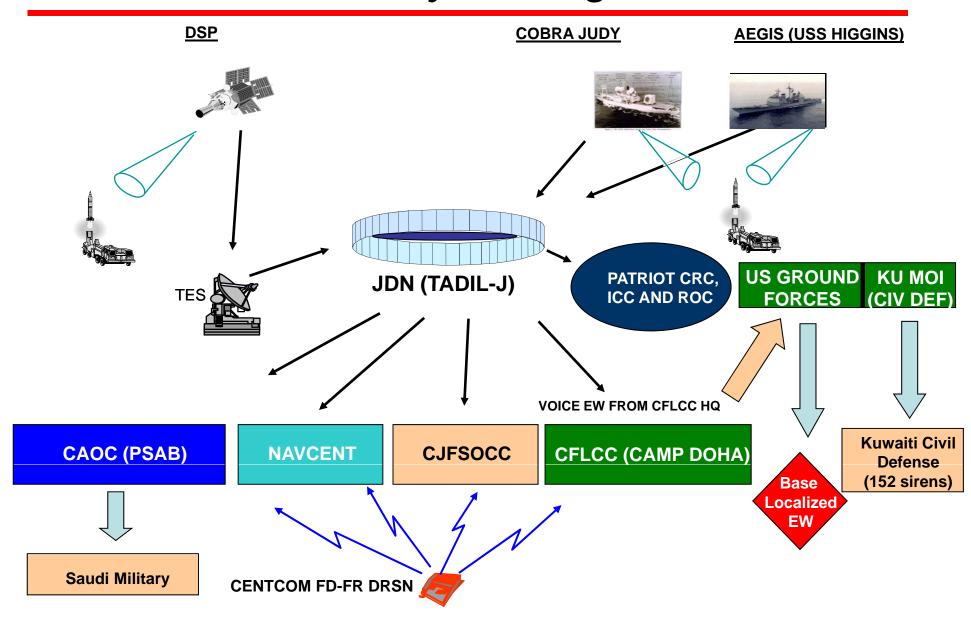
What TAMD Forces Protected

VOLLEY	DTG	LOCATION	WHAT WAS THERE
1	200924ZMAR03	TAA Thunder	101st AAD Aviation Assets - 100+ Helos / 4,000 Soldiers
2	201030ZMAR03	Camp Commando Al Jahra	I MEF / Marine Engineer Group HQ - 4,700 Marines 100,000 Civilians
5	202324ZMAR03	Camp Udairi	11th AHR and Combat Support Hospital - 4,000 Soldiers
6	211001ZMAR03	TAA FOX Al Jahra	1st Forward Service Support Group - 4,500 Marines 100,000 Civilians
7	232159ZMAR03	Camps NJ / NY / PA	101st AAD - 12,000 Soldiers
8	241042ZMAR03	Camps VA / NJ	V CORPS Main / 101st AAD - 8,000 Soldiers
10	251246ZMAR03	Camp Commando	I MEF / Marine Engineer Group HQ - 4,700 Marines
12	270831ZMAR03	Camp Doha	Camp Doha / CFLCC HQ - 8,000
15	010600ZAPR03	LSA Bushmaster	11 AHR, 101st AAD Aviation Assets, V CORPS Log Assets 10,000 Soldiers

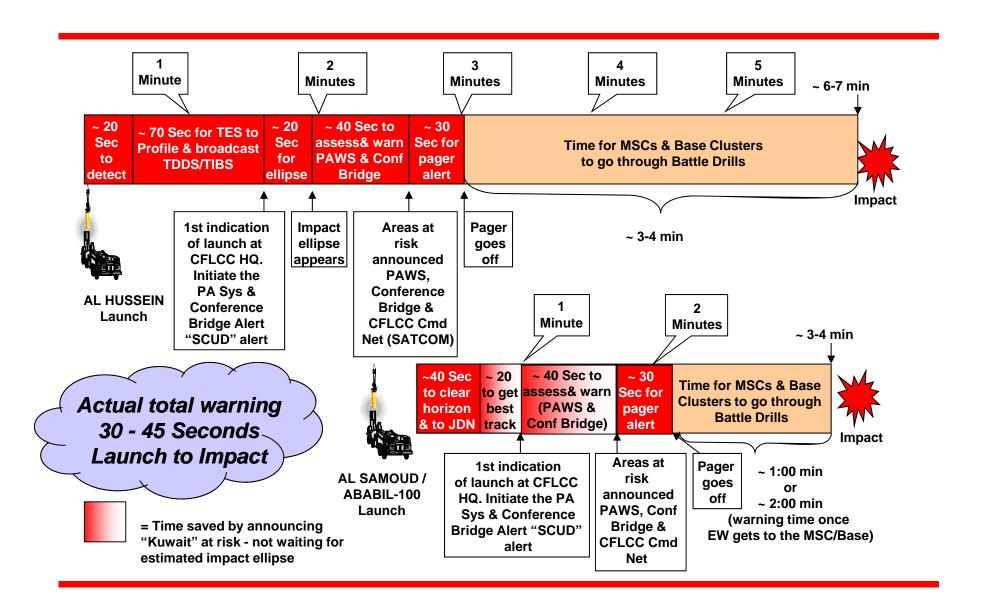
The Digital Battlefield

Early Warning & Situational Understanding

Early Warning



Estimated Launch to Impact Timeline

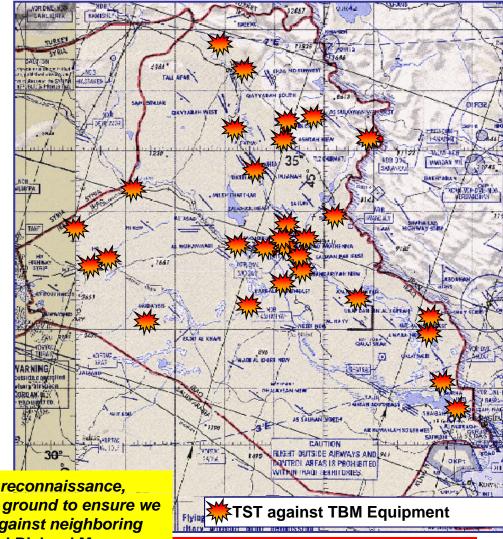


Engagement Operations

First ever successful Counter-TBM Operation

OIF Counter-TBM Fight

- 32nd fully integrated with CFACC as part of the Counter-TBM Team (C-TBM)
- C-TBM team's analysis and collection resulted in 30 of the 61 TSTs against TBM equipment / Others were located by national agencies or targets of opportunity
- Combined Theater C-TBM attack operations credited with destroying 76% of assessed launchers
- C-TBM team designated as the OIF authority for all TBM collection, targeting, and BDA
- Disrupted the Iraqi TBM campaign plan by destroying 3 launchers prior to initiation of combat



"We are positioned in Western Iraq with aircraft, reconnaissance, surveillance and ground platforms and people on the ground to ensure we can contain any missile strikes attempted by Iraq against neighboring countries," Joint Chiefs of Staff Chairman General Richard Myers

32nd AAMDC

CAMP DOHA AIR DEFENSE

Operation DIRTY SKIES

Situation

> CENTCOM Message 292057Z Nov 02

In light of recent terrorist attacks, commanders are directed to maintain a vigilant posture to respond to terrorist threats. This message provides commanders with specific direction and guidance concerning self defense which remain in effect throughout the CENTCOM AOR, and additional actions to be taken to enhance air defense measures...

...I expect all units to lean forward and set a vigilant posture. All units will maintain a high profile posture that clearly indicates readiness, willingness, and ability to respond decisively to any indication of hostile intent or interference with our operations...

> Terrorist attacks using aircraft, including ultralites and paragliders, are possible

Ultralite



Small Civilian Aircraft



Paraglider



Camp Doha Stinger Defense

- Mission: CFLCC establishes Short Range Air Defense (SHORAD) for Camp Doha in order to defeat air breathing threats.
- Intent: Conduct air defense operations to safeguard a critical CENTCOM C2 node, personnel, and combat power against asymmetric / terrorist threats and to integrate SHORAD into existing host nation and CFACC defensive counter-air (DCA) operations.
- Key tasks:
 - Establish clear C2 for Stinger engagement
 - Establish passive defense measures for Camp Doha
 - All soldiers and leaders clearly understand ROE
 - Airspace De-confliction
 - Conduct rehearsals
- Avenger Platoon: 1-3 ADA (JAN-FEB), 2-44 ADA (MAR)
 - Formed two Stinger Teams
 - "Demonstrated" using Avengers & FOX Section
- Established ROZ over Camp Doha
- Based on experience from Clear Skies





The Avenger "demonstrations" proved to be a very effective deterrent



1-3 ADA



- Organic to the 3d Infantry Division (MECH), Fort Stewart, Ga.
- > 513 Soldiers assigned, 513 soldiers came home!
- Assigned Missions during Operation Iraqi Freedom:
 - Short Range Air Defense and Early Warning
 - > Division Rear Area/LOC Security, Screened 3ID SW Flank during assault into Baghdad
 - Emplaced and Secured forward deployed PATRIOT batteries
 - Secured the Baghdad International Airport
 - ➤ Conducted Civil Military Operations in Abu Ghurayb (held first local democratic elections in post war Iraq, established local government and public services, conducted Combined raids and destroyed terrorist cells with Abu Ghurayb Police)

Enemy BDA:

- Destroyed 5 x T-72 Tanks
- Destroyed 80 (+) Technical Vehicles
- Destroyed 400 (+) Dismounted Infantry
- Dozens of AAA pieces
- Captured 10 POWs
- Captured 14th BDE, Medina Div HQ
- > Captured 300 (+) armored vehicles

Combat Medals earned by the soldiers of 1-3 ADA:

- 2 x Silver Star Medals
- 4 x Bronze Star Medals (Valor)
- > 45 x Bronze Star Medals
- 28 x Army Commendation Medals (Valor)
- 1 x Purple Heart Medal, 2 pending



2-44 ADA

Air Assault!

- Organic to the 101st Airborne Division (Air Assault), Fort Campbell, KY
- 480 Assigned and currently operating in Iraq
- Assigned missions during Operation Iraqi Freedom:
 - Short-range Air Defense and Early Warning
 - A BTRY conducted ground combat operations with 1 BCT in An Najaf, Iraq
 - C BTRY conducted air defense of DIV FARPs and ground combat operations with 3
 BCT in Al Hillah, Iskandria, Baghdad, and Tal Afar Air Field.
 - D BTRY conducted air defense of DIV AAs, LOC security (HWY 1 & 8, 300km),
 Forward Passage of Lines between 4th ID and 101st ABN DIV, cache collection, ASP security and new Iraqi army training in Mosul, Iraq.
 - HHB conducted DREAR security, BN FM retrans, LOC security (HWY 1 & 8), EOD operations and new Iraqi army training in Mosul, Iraq.
- BN Currently conducting Civil Affairs operations in Dahuk, Iraq and Irbil, Iraq.
- Anticipated redeployment in February 2004





1-44 ADA



- Organic to the 4th Infantry Division (MECH),
 Ft. Hood, Texas & Ft. Carson, Colorado
- Assigned Missions during Operation Iraqi Freedom
 - -Battalion HQ's provided Command and Control for TAA Ironhorse just South of Baghdad in Iskendariyah.
 - -Secured Taji Airfield in North Baghdad after 1BCT attack and Linebacker platoon helped defeat enemy counterattack.
 - -Secured Al Sahra airfield and provided lone heavy combat power in North Tikrit
 - -Secured Saddam Hussein's Presidential Palace in downtown Tikrit to allow establishment of the 4th ID Headquarters.



1-44 ADA



- -C/1-44 ADA completed the longest continuous mechanized movement of the entire war by moving all 10 Linebackers 700 miles from Kuwait through Baghdad and to Tikrit with no break downs in combat power.
- -Avengers screened Iranian border in effort to deter militants from crossing into Iraq.
- -Participated in the disarmament of the MEK militia in Eastern Iraq.
- -Conducted numerous raids and ambushes in support of division operations to destroy remnant Ba'ath Party sympathizers.
- -Participated in humanitarian operations in Iskendariyah and Tikrit.
- -Continues today to conduct operations in support of Operation Iraqi Freedom in Northern Iraq.



SECURING TIKRIT PRESIDENTIAL PALACE







Elements of 1-44 ADA secured the Presidential Palace in Tikrit to allow the Division HQ's to be established at the palace. The air defense elements guarding the palace have successfully defended palace multiple times from small arms, RPG, and mortar attacks from noncompliant forces.

32nd AAMDC

Operation Iraqi Freedom Lessons & Observations

Final Thoughts

Proven....

- You will fight as you train
- Patriot is lethal
- Non-contiguous battlefield exposes us all
- There is no difference between SHORAD AND HIMAD.. but the equipment. The fundamental tasks to guarantee freedom of maneuver are the same
- There is no difference between EAC and Corps Patriot; all must be trained under one standard
- Basic fundamentals carry the fight; again

LESSONS/OBSERVATIONS (-)

Joint Deficiencies

- C4I Lacking Internal and external voice & data capability Controlling Authority to shooter links
 - Voice over TADIL-J / Link 16
 - Voice to airborne controller
 - Theater Air Defense net
- Impacts of dense joint / coalition battlespace → EMI → Spurious tracks, IFF
 - Training, Doctrine, Material Solutions
- Space based warning not effective for SRBMs

LESSONS/OBSERVATIONS (-)

Systems Deficiencies

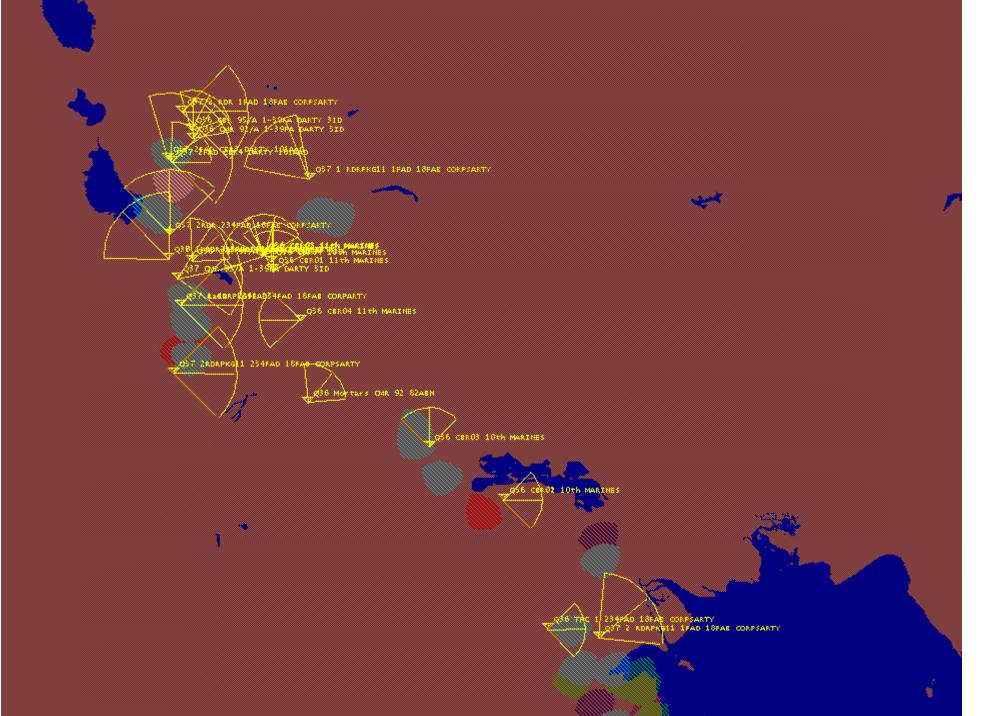
- SRBMs more challenging non-contiguous battlefield requires 360° coverage
- Interoperability via Link 16 to Battery Level

Operational Deficiencies

- ✓ Need revised Tactical SOP for Patriot Crews w/ focus on engagement operations
- EAD / EAC unit training to include CSS training
 - Operations on non-contiguous battlefield
 - Resourcing of CSS units
- PATRIOT organization
 - 4 Btry vs. 5 Btry battalion
 - PAC II in PAC III Task Force

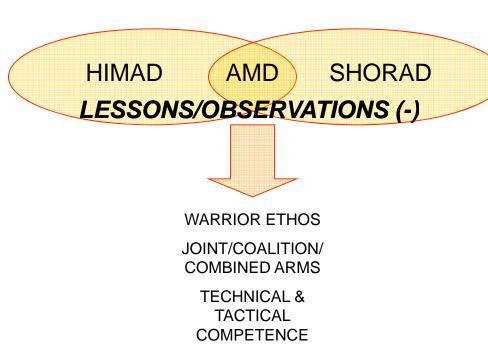
The "Way Ahead"

- OIF validated the inherently "Joint Nature" of Theater Missile Operations
- Joint Exercise/ Experiments enhance combat readiness (RS, UFL, IL, CJTFEX (JCIET))
- "CTC Like" training opportunity required for AMD forces
- C2 limitations pose greatest risk now and in the future
- Enhance capabilities to counter the evolving threat
- Theater-level air defense command required
 - •Today- 32d AAMDC with Joint Responsibilities
 - •Tomorrow- Standing Integrated Missile Defense JTF



ONGOING CULTURAL CHANGE

- •JOINT / COALITION
- •TECHNICAL
- •TSOP ORIENTED
- •SWA ROTATION FOCUS
- •MISSILE DEFENDER FIRST; THEN SOLDIER
- •LETHAL; BEST IN THE WORLD



SOLDIERS FIRST; PROFESSIONAL AMD FORCE

- •COMBINED ARMS
- •TACTICAL
- •MDMP/TROOP LEADING ORIENTED
- •CTC FOCUS
- •SOLDIER FIRST; THEN AIR DEFENDER
- •OVERMATCHED BY CURRENT THREAT

AMD LESSONS LEARNED (+)

Joint Operations

- •Joint (AEGIS) early warning and situational awareness w/ Link 16
- •Role as DAADC w/ CFACC Counter-TBM team (Attack Operations), AADP
- •Role as TAAMDCOORD w/ CFLCC-Operations w/ V Corps, I MEF
- Operational Force Protection

Combined Operations

- Integration of US & Coalition TMD operations: Jordan, Qatar, Bahrain, Turkey, Saudi Arabia, Kuwait, Israel, Dutch, UK
- C2 of Kuwait PATRIOT (46 ADA (KWT) TACON to 11 BDE in Feb 03)
- Host nation early warning

Performance

- •PATRIOT lethality proven 9 of 9- confirmed warhead kills 8 of 9
- •OR Rate for the Patriot force >92% during combat operations
- •Stance and flexibility Playbook, Shortstop, EAC remissioning, Asymmetric defense
- •Divisional ADA Combined arms contribution, fight as a battalion, security missions, CMO

ACHIEVING THE AMD "STANCE"

TACTICAL

- •PATRIOT IS A SECTORED WEAPON; DOES NOT PROVIDE 360 DEGREE COVERAGE
- •NON-CONTIGUOUS BATTLEFIELD INCREASED REQUIRED FIRE UNITS; MULTIPLE PTLs
- •HEAVY TRUCKS STUCK ROUTINELY
- •COMBINED ARMS INTEGRATION (+)DIVISIONAL (-)PATRIOT
- •ASYMMETRICAL THREAT STINGER OVERMATCHED

RESULT: EXPOSURE OF HIGH VALUE ASSETS TO TBMs AND CRUISE MISSILES

OPERATIONAL

- •173RD AIRBORNE
 REGIMENT MOVED BY
 AIR TO BASHURE AIRFIELD,
 NORTH EAST IRAQ; A
 C-130 ONLY AIRFIELD
 •IRAQ LAUNCHED TWO
 FROGS TOWARD THEIR
 LOCATION
- •CENTCOM REQUESTED PATRIOT SUPPORT
- DUE TO NON-CONTINGUOUS BATTLEFIED, PATRIOT COULD NOT MOVE OVER LAND TO DEFEND 173RD •PATRIOT REQUIRES C-17/C-5
- **RESULT:** UNDEFENDED AND EXPOSED

FORCES

STRATEGIC

- •17 C5s AND 21 C17s
 TO MOVE 5 PATRIOT MINIMUM
 ENGAGEMENT PACKAGES
 TO JORDAN
 •PATRIOT LAUNCHERS DO NOT
- •PATRIOT LAUNCHERS DO NOT FIT ON LOWER DECKS OF ALL SHIPS; MOSTLY WEATHER-DECKS

RESULT: LIMITED AIR FRAMES DEVOTED TO MOVE PATRIOT

Pursue AMD-Vision

OIF VALIDATED THE REQUIREMENT FOR MEADS

SITUATIONAL AWARENESS/UNDERSTANDING

VOICE

•PATRIOT IN IRAQ COULD NOT TALK TO TAOC IN KUWAIT

NO SATCOM

•AWACS CAN'T TALK TO GROUND

BASED UNITS

RESULT: NO VOICE LINK BETWEEN

BATTALION HQS AND HIGHER

AUTHORITY (ID AND ENGAGEMENT)

FIX: MTOE AND JOINT

ACTION: ADAS / 32ND AAMDC

•SHORTAGE OF HSDIO CARDS RESULTED IN PAC-2 UNITS NOT TRANSMITTING/RECEIVING DATA FROM ICC/TAOC/CRC

•PAC-2 AND PAC-3 INCOMPATABILITY

DATA

RESULT: AUTONOMOUS UNITS

FIX: HSDIO CARDS FOR PAC-2 UNITS

PATRIOT & MEADS TRANSITION **ACTION**: LTPO AND 32ND AAMDC

JDN

•AWACS/CRC DID NOT ALLOW GROUND AND SEA BASED DATA TO BE DISPLAYED **RESULT**:

•DIFFERENT AIR PICTURE AT DIFFERENT LEVELS OF COMMAND

•1ST TIME PATRIOT WAS

AWARE OF INCOMING TBM WAS WHEN IT'S

RADAR SAW IT

FIX: MAXIMIZES JOINT

EFFORTS IN DEFINING THE JDN

ACTION: DCD

ACO/SPINS

- •OIF SPINS WERE NOT TIMELY
- •UNITS NOT AGGRESSIVE IN

RECEIVING ACO/SPINS

•ACMS NOT USED TO ROUTE

FRIENDLY AC

RESULT: UNITS OPERATING

OFF DIFFERENT DATA

FIX: JOINT TRAINING

ACTION: ADAS/32ND AAMDC/DIV ADA

CHALLENGED AIRSPACE CONTROL

RADAR RELIABILITY

TWT

•MAX LIFE IS 10,000 HRS.

•NO TIMER ON TWT

RESULT: SOLDIER DOESN'T KNOW HOW MANY

HOURS ON HIS TWT **RECOMMENDATION:**

1) ESTABLISH PROCEDURES TO TRACK TWT USE

2) ESTABLISH TWT WARM-UP CRITERIA

ACTION: LTPO

COMPRESSOR/DEHYDRATION UNIT

•CURRENTLY REQUIRES SOLDIER W/ STOPWATCH TO TIME ON AND OFF CYCLES FOR AN HOUR TO DETERMINE FMC/NMC RESULT: PROCEDURE NOT PRACTICAL IN WAR

RECOMMENDATION: EITHER CHANGE WAVE GUIDE PRESSURIZATION SYSTEM OR ADD THIS CHECK INTO BIT (TELLS OPERATER IF CDU IS OVERHEATING)

ACTION: LTPO

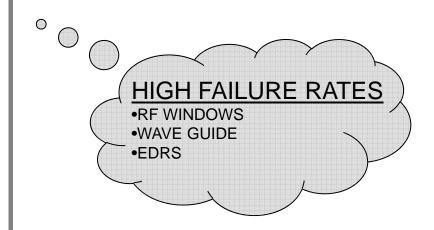
CABLES ON THE FRONT-END

•3 CABLES; NO DIAGNOSTICS

•IF SOLDIER REPLACES ONE CABLE THAT APPEARS TO BE DEFECTIVE – A PROBLEM IS INTRODUCED THAT IS NOT DETECTABLE WITH DIAGNOSTICS

<u>**RECOMMENDATION**</u>: ESTABLISH LIFE EXPECTANCY ON CABLES, REPLACE ALL 3

ACTION: LTPO



OFF-SHIP/AIRCRAFT READINESS

TRAINING

AMD STANDARD BEARER

SOLDIERS 100% RELIANT ON PATRIOT WEAPON SYSTEM
NO STANDARD FOR TRAINING PROFICIENCY

•RECOGNITION OF TECHNICAL/ TACTICAL COMPETENCE **RESULT**: ACROSS THE FORCE

THERE ARE VARYING DEGREES

OF STANDARDS

FIX:

1) INITIATE MASTER GUNNER COURSE

(1ST CLASS 2ND QTR FY04)

2) DEVELOP/PUBLISH PATRIOT GUNNERY MANUAL

3) DEVELOP AMD TOP GUN PROGRAM

4) TRAIN NEW POST-OIF TSOP **ACTION**: ADAS / 32ND AAMDC

OPERATOR TRAINING IN AN AMBIGUOUS ENVIRONMENT

•ON-LINE TRAINING
MODE/TROOP PROFICIENCY
TRAINER DOES NOT PRESENT
OPERATOR WITH
MISCLASSIFIED OR FALSE
TRACKS

•PCOFT – INCAPABLE OF SCRIPTING SPURIOUS TRACKS

FIX:

UPDATE OTM/TPT/PCOFT SOFTWARE

ACTION: LTPO / 32ND AAMDC

TRAINING

FRIENDLY PROTECT

•OPERATORS FOCUS SOLELY ON TBMs; DID NOT WORK ID OF UNKNOWN AIRCRAFT ON SCOPE

•LOST SITUATIONAL AWARENESS OF AIR TRACKS •AUTONOMOUS OPERATIONS PROCEDURES NOT CLEAR.

RESULT: LOSS OF

SITUATIONAL AWARENESS

FIX: TRAIN SCOPE

AWARENESS - ALL AIR

PLATFORMS.

ACTION: ADAS/32nd AAMDC

PATRIOT GENERAL KNOWLEDGE

•OPERATORS AT ALL LEVELS DIDN'T FULLY UNDERSTAND TABULAR ENTRY VALUES.
•PROCEDURES NOT ESTABLISHED FOR HARMONIZING THE PATRIOT WEAPON IAW METT-TC.

RESULT: OPERATOR NOT ENABLING THE WEAPON SYSTEM.

FIX:

•RE-WRITE TSOP; INCLUDE LINKAGE BETWEEN IPB(DOCTRINAL/SITUATIONAL TEMPLATE) TO TABULAR ENTRIES.

• GROW EXPERTS IN THE FORCE

ACTION: ADAS/32nd AAMDC

PROFESSIONALIZE THE FORCE

BASIC FUNDAMENTALS

SHOOT

- •MUST SHOOT INDIVIDUAL AND CREW-SERVED WEAPONS TWICE A YEAR
- •CONVOY LFX A MUST
- •RING MOUNT READINGS
- •IMMEDIATE ACTION DRILLS SPORTS
- •WEAPONS MAINTENANCE
- •MUZZLE AWARENESS

MOVE

- •CONVOY PROCEDURES
- •MANEUVER / COMBINED ARMS
- •VEHICLE RECOVERY OPERATIONS
- •MTOE REVIEW PLUGGERS: NVGs
- •UP-ARMORED HMMWVs FUTURE REQUIREMENTS

<u>COMMUNICATE</u>

- RADIO MAINTENANCE
- FIELD EXPEDIENT ANTENNAS
- •URIDIUM PHONES/SATCOM -MTOE
- MEDEVAC/CALL FOR FIRE
- USAF "FIREWALLS" PROHIBITS AMDWS, C2PC, CHAT
- AIRBORNE PLATFORMS; CAN'T TALK TO PATRIOT

FIX – "CTC-LIKE EXPERIENCE"

- COMBINED ARMS/JOINT
- COE/NON-CONTIGUOUS
- TRAINED/COMPETENT OCS AND OPFOR; TBMs, CMs UAVs, ASYMMETRIC THREATS
- LESSONS LEARNED; COMMUNITIES OF PRACTICE
- LEADER DEVELOPMENT LEADER TRAINING PROGRAM
- UPDATE MTPs AND JOINT DOCTRINE
- LFX DUST FACILITY/ CONVOY LFX

WARRIOR FOCUS

BLUE ON BLUE

What are we doing now?

- TSOP RE-WRITE; PATRIOT GUNNERY MANUAL
- FORMING LEADER DEVELOPMENT BRANCH IN ADAS; CREATIVE ADAPTIVE, INNOVATIVE LEADERS
- JTAM COURSE, PATRIOT MASTER GUNNER, TOP GUN, CTC LIKE EXPERIENCE
- CLASSIFICATION/TRAINING SOFTWARE IMPROVEMENTS, FALSE TBM ELIMINATION, OPERATOR DECISION AIDS, HUMAN/COMPUTER INTERFACE, HIGH FAILURE PARTS
- ADAS POI CHANGES, TOP GUN, CTC, ONE BRANCH AMD
- ADAFCO-NG CONTRIBUTION, WARRANT OFFICERS (MORE EXPERIENCE) IN THE ECS
- SPURRIOUS TRACKS INJECTED IN PCOFT SOFTWARE; USE OF DUST FACILITY