Headquarters Air Combat Command

Precision Engagement In The USAF



Major General Dave Clary Air Combat Command Vice Commander

This Briefing is: UNCLASSIFIED



Overview



- Snapshot of Current Operations
- Global Strike
- Precision Engagement
- F-22
- Gaps

Challenging Times















Air Force Priorities



- Fight and Win The Global War on Terror
- Develop and Care for Airmen and Their Families
- Recapitalize and Modernize Our Force



Deployed Airmen



- 35,000 Airmen deployed
 - 25,000 CENTCOM AOR

 10,000+ deployed on 179-day rotations



- 1,000+ deployed on 365-day rotations
 - 677% increase since 2005





CENTCOM AOR



- Operating out of 10 major bases
 - 60 different locations

80,000 sorties over the past year



 250 sorties per day in Iraq and Afghanistan





CENTCOM AOR







Homeland Defense



- 48,000 sorties since 9/11
- Stand up of 1st AF AOC





Today's Enemies







Tomorrow's Threats







Threat

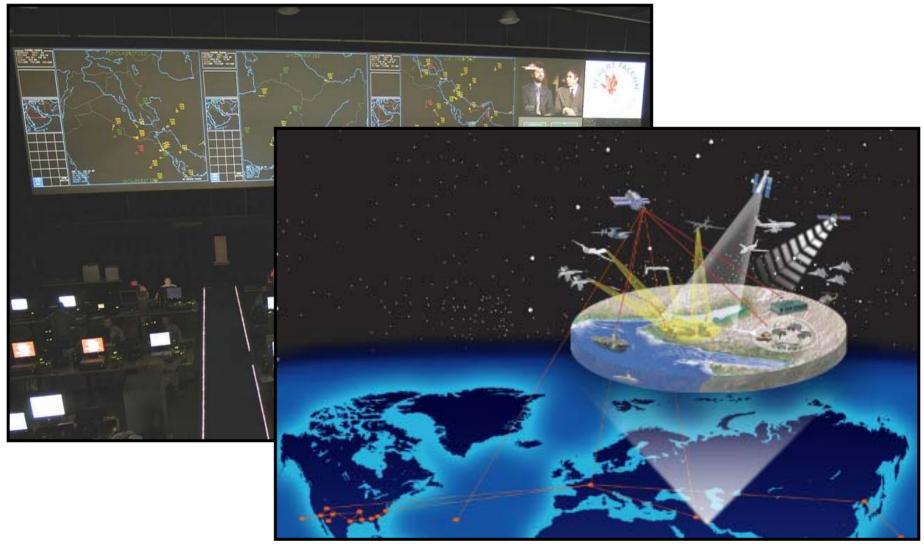






Required Capabilities







AF CONOPS Construct









Global Reach



Global Vigilance



Strategy

Air and Space Expeditionary Force (AEF) is the USAF foundation to prepare, respond, deploy, and employ for any task

Tasks

Capabilities Review & Risk Assessment

Homeland
Defense &
Civil
Support
CONOPS

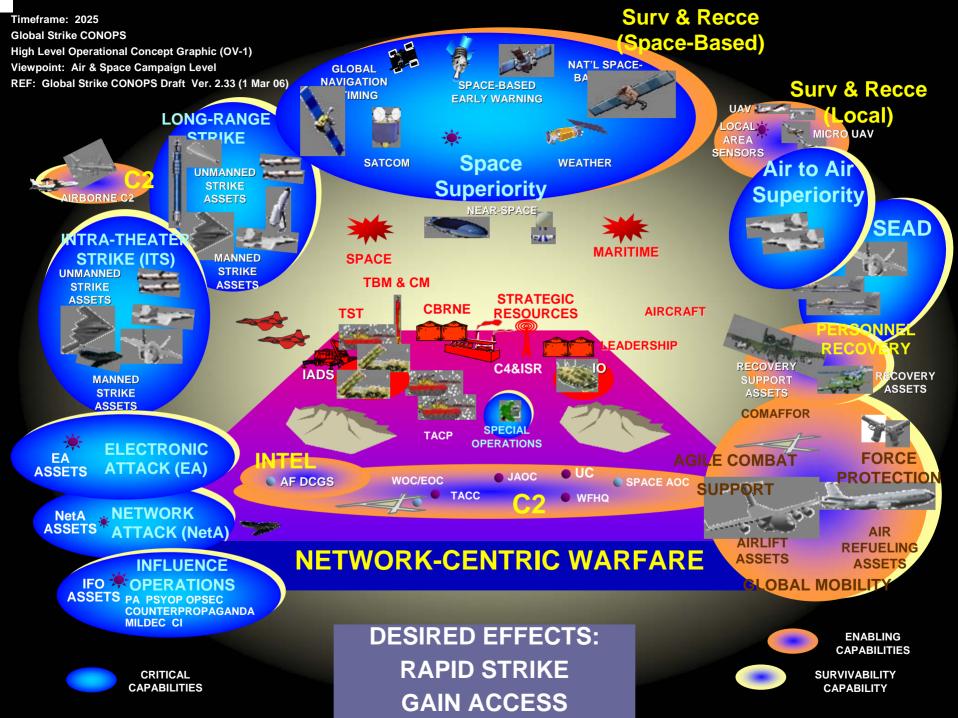
Global Strike CONOPS

Global Mobility CONOPS Global
Persistent
Attack
CONOPS

Nuclear Response CONOPS Space & C4ISR CONOPS

10 Air Expeditionary Forces

Agile Combat Support





Precision...





































Leaps in Capability







Doumer Bridge

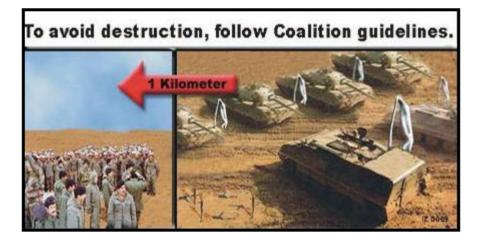


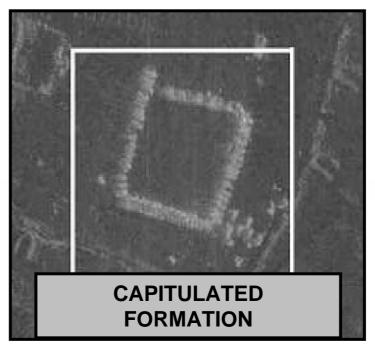




Iraqi Capitulation









Example of an IADS







Example of an IADS







The Solution







F-22 Multi-Role Capability



F-117 Stealth

Strike

F15E **Precision**

Strike



F-15C **Air** Superiority



F-16CJ SEAD





F-22 Performance Capabilities



• Altitude: 60,000 ft

• Speed: 800 KCAS

Mach: 2.0

Supercruise > Mach 1.5

• G Load: 9

• AoA: -60 to > +60 deg

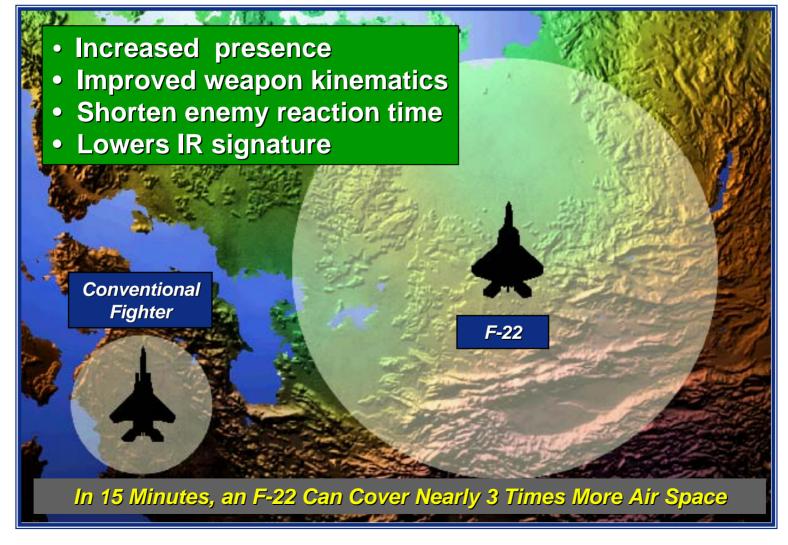






Supercruise Advantages

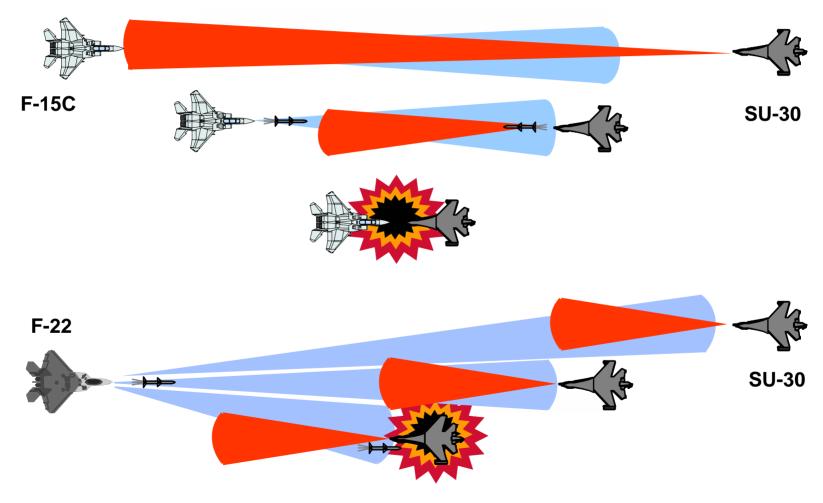






Stealth in Air to Air





First Look, First Shot, First Kill



F-22 Weapons



F/A-22 Internal Weapons Carriage





Gun: M61 Cannon 480 rounds





XXX 6 x AIM-120C XX X

or 2 x AIM-120C/ 2 x 1000# JDAM





Valuable Air-to-Ground Capability

All Weather

Near Precision
Joint Direct Attack
Munition (JDAM)

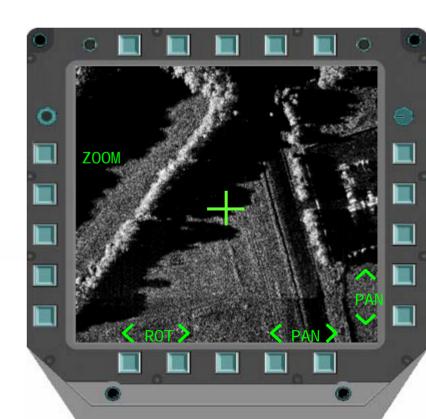
Four 5000 Pound External Wing Hardpoints



F-22 Battlefield Integration



- Currently GBU-32 Only (Awaiting SDB)
- Combat HAMMER drops successful (50k @ 1.5M)
- Bomb on Coordinate ONLY
 - Future Upgrades allow Self-Generation of Coords





Increasing 5th Gen Fighters













Complementary/Synergistic



F-22A F-35A

Complementary Missions

Air-to-Air Dominance



Persistent Attack

- Air Interdiction (AI)
- Close Air Support (CAS)

Incidental / non-optimized capability for complementary missions

Synergistic Missions

Suppression / Destruction of Enemy Air Defenses (SEAD/DEAD)

Strategic Attack (SA)

Unique capabilities combine to accomplish mission they could not do alone

Common Mission Elements

Intelligence, Surveillance and Reconnaissance (ISR)
Electronic Attack (EA)



Capability Gaps







Moving Target Capability





Future

(Adverse WX, High Threat)

Today



Capability Gap









Hardened / Deeply Buried

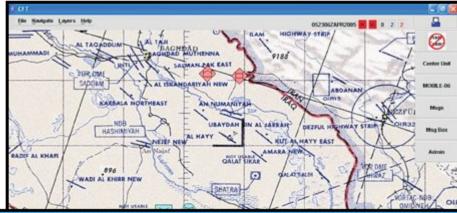


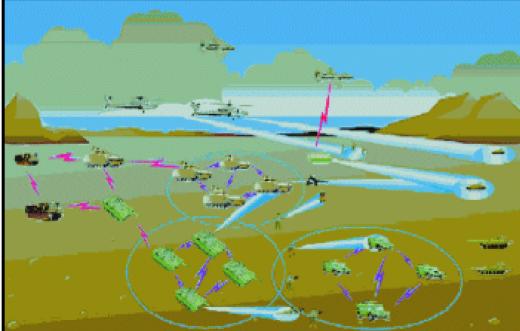




Combat ID











Lowering Collateral Damage







Challenges Ahead







One Joint Fight...





