



USAFE - Warrior Preparation Center

Joint Training Challenges and Successes



**Colonel Franz “Baron” Plescha
Commander
Warrior Preparation Center
Einsiedlerhof AS, Germany**



Who We Are

Facilities

- 40,520 sq ft of dedicated training space
- 800 personal computers,
- 6 WANs, 3 LANs, 50 servers
- 143 thin-clients

Models

- Air Warfare Simulation
- AF Synthetic Environment for Reconnaissance and Surveillance
- Information Operational Suite
- Virtual Battlespace System 2
- Google Earth, Terra Vista

Warrior Preparation Center

Organizational Capabilities



Colonel Franz M. Plescha
Commander,
USAFE Warrior Preparation Center
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AGOS



POLYGONE



TLP



DET 2





Background

- **2006 - Army leaves after 23 years – WPC losses 50% people/funding**
- **WPC “Refocuses” mission from Bi-Service to Joint and Coalition – Completes JNTC accreditation and certification Dec 2006**
 - **Air support to US components, NATO, and Coalition training**
 - **AF Command & Control (JTAC to the AOC)**
 - **Operational Training Exercises at JTF level**
 - **Fill training gaps!!**



Successes

- Battlefield Operations Support System (BOSS)*
- USAFE Remote Radio Network (URRN)*
- Four Ship Virtual CAS capability (SIMIGON)*
- JTEN-X*
- Distributed Mission Operations (DMO)
- USAFE Joint Training University*

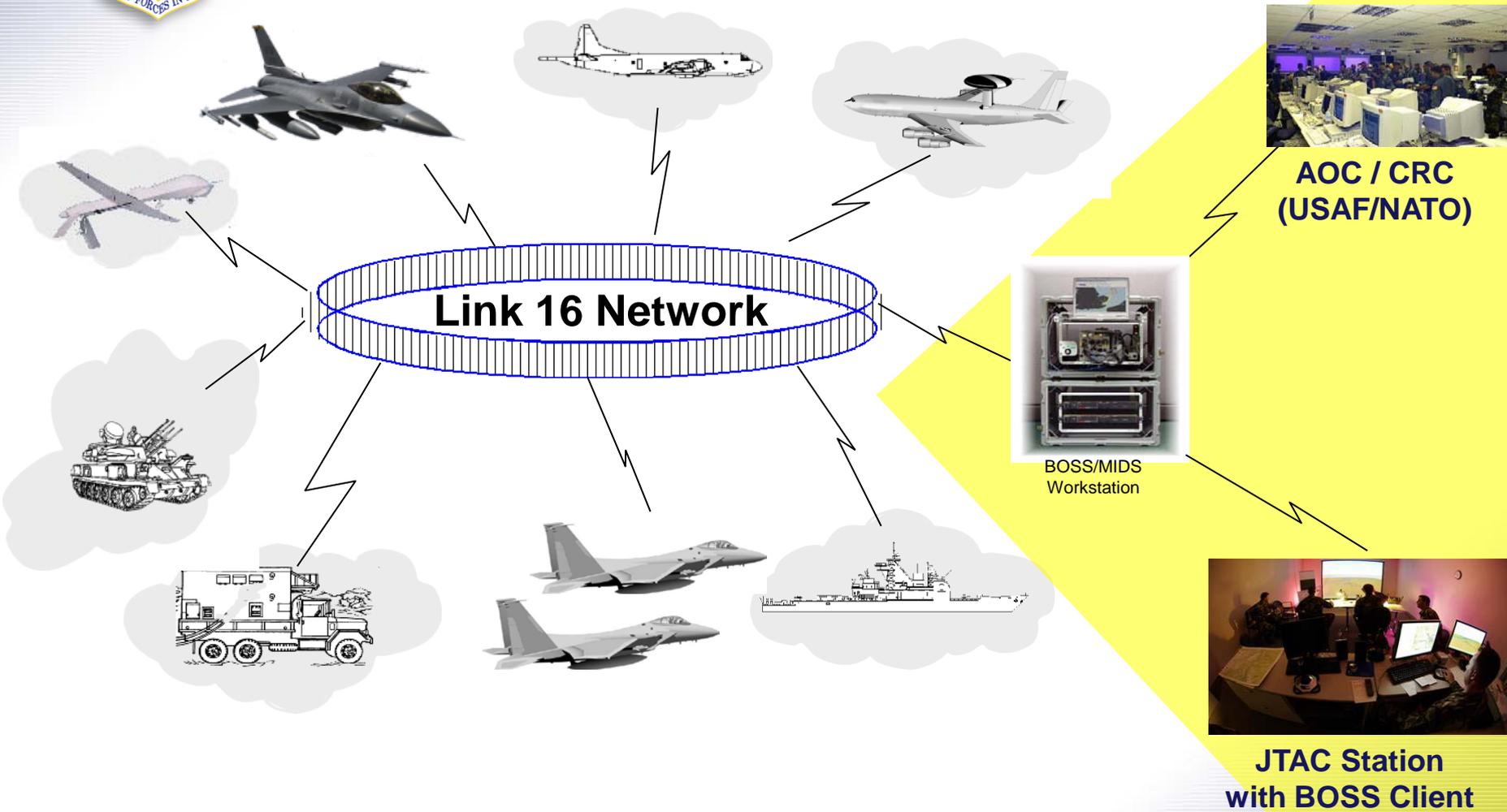
**** JNTC Funding (support to WPC since 2007)***

Battlefield Ops Support System (BOSS)

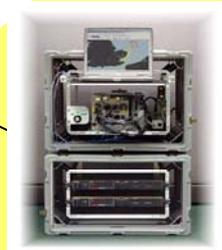


- **Configured to function in operational link environment**
- **Normally consists of server and client work station(s)**
- **Employs unit supplied terminal****
- **Operated by large cross section of users, Pilots, WSO's, ICT's, Command Posts**
- **Does not require link "experts"**

Enhanced Training Scenario "Add the C2"



**AOC / CRC
(USAF/NATO)**



**BOSS/MIDS
Workstation**



**JTAC Station
with BOSS Client**



BOSS Operational Locations in Europe

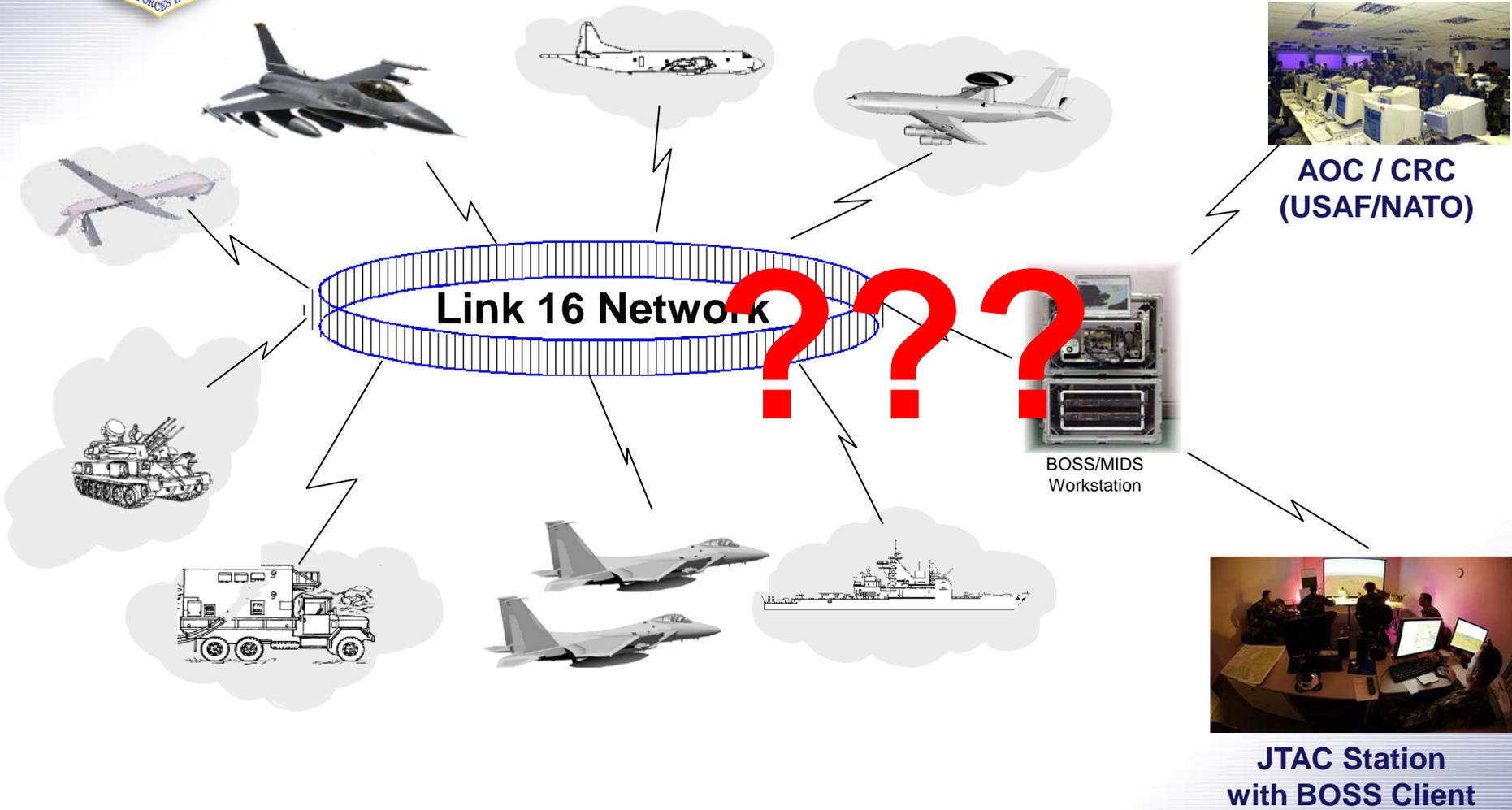
- ***Lakenheath AB, 48th FW**
- ***Spangdahlem AB, 52ndFW**
- ***Aviano AB, 31st FW**
- **Finland, The Netherlands, Switzerland, Hungary, Greece, and the United Kingdom**

- **Planned:**
 - ***TLP in Albacete Spain**
 - ***POLYgone Range in Germany**
 - **4 ASOS's across Europe**

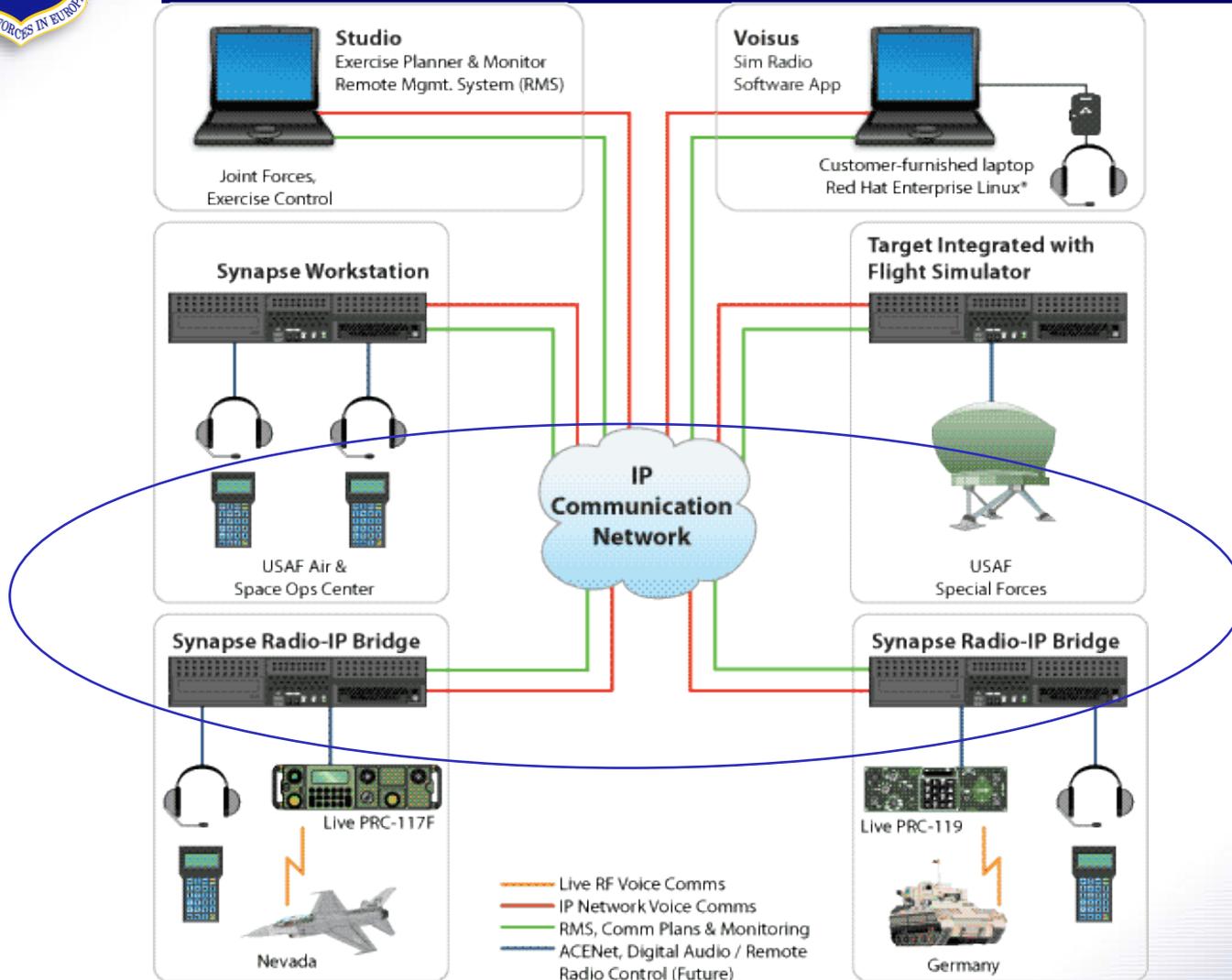
*** JNTC Funded**



Challenge "How will they talk?"

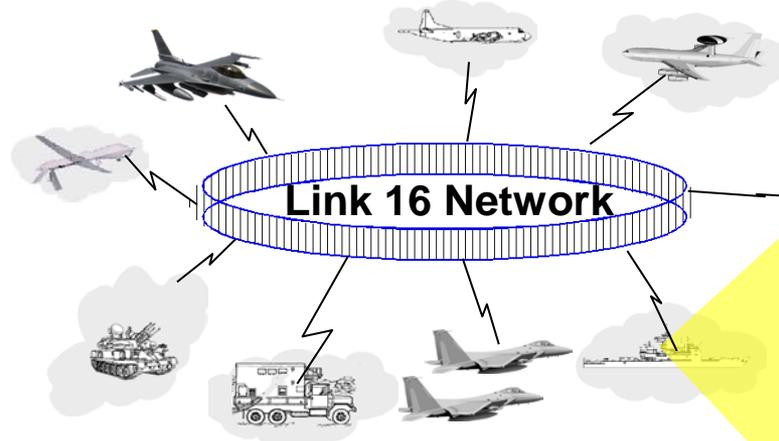


USAFE Remote Radio Network (URRN)





Enhanced Training Scenario



**AOC / CRC
(USAF/NATO)**



**BOSS/MIDS
Workstation**



**JTAC Station
with BOSS Client**



URRN Footprint in Europe

Mildenhall

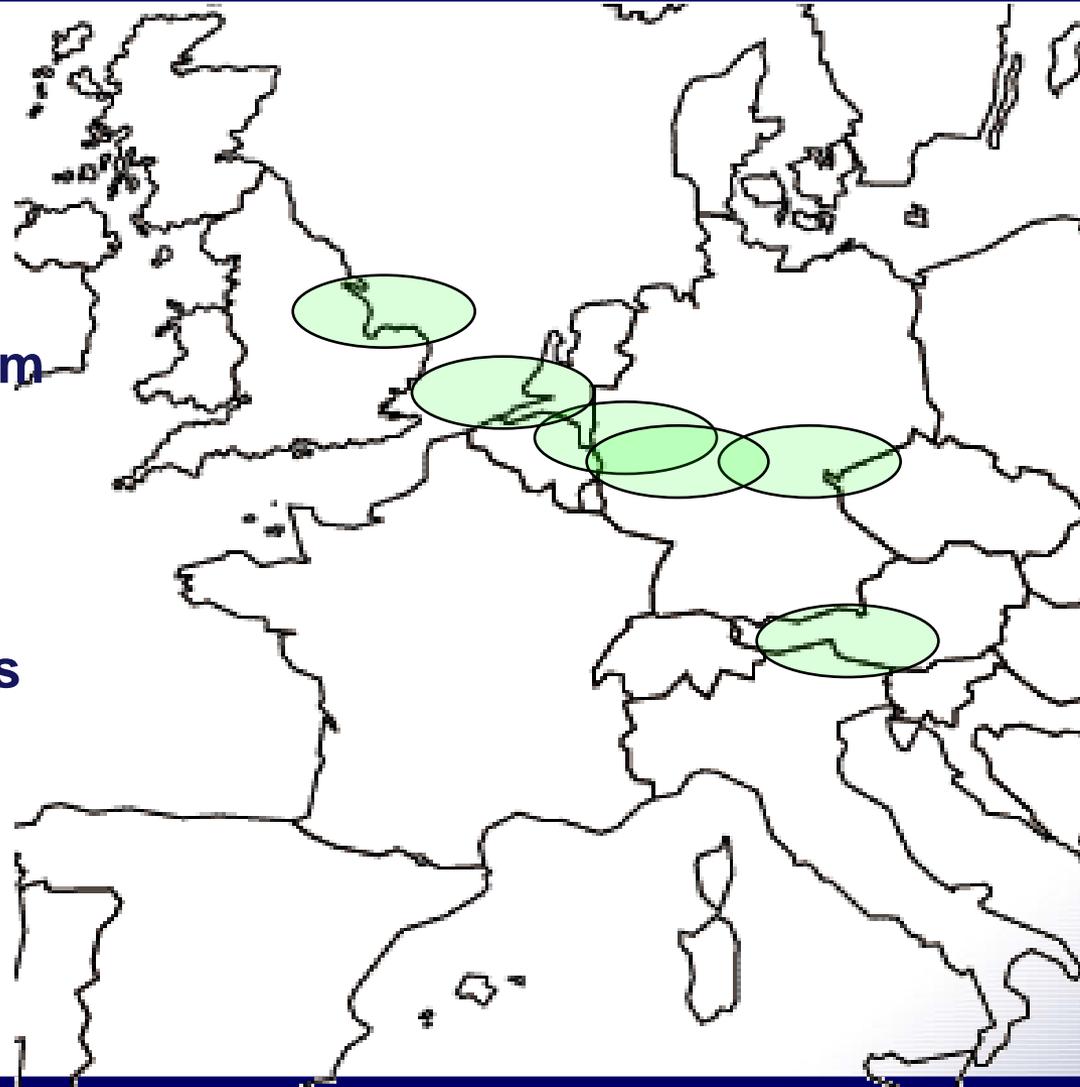
Chievres, Belgium

Spangdahlem

Mannheim

Vilseck/Hohenfels

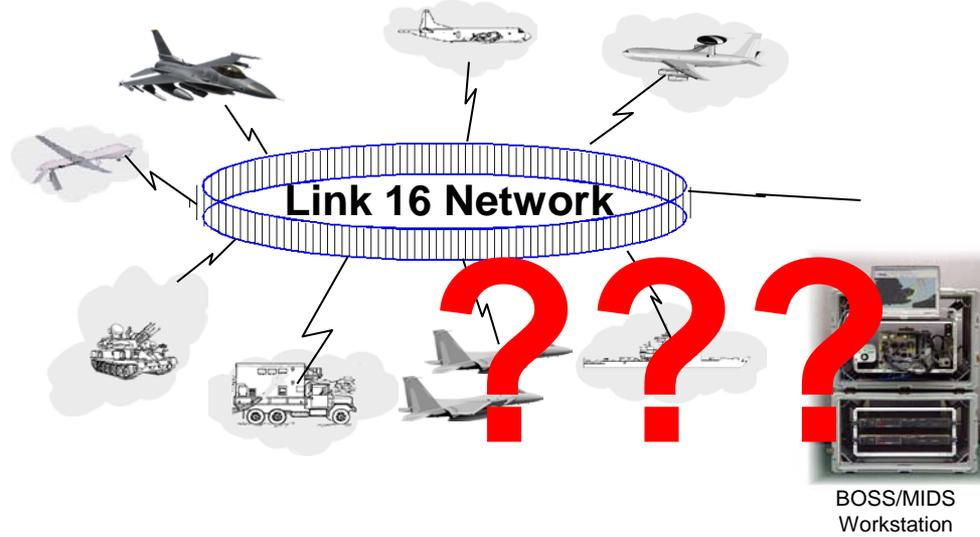
Aviano





Challenge

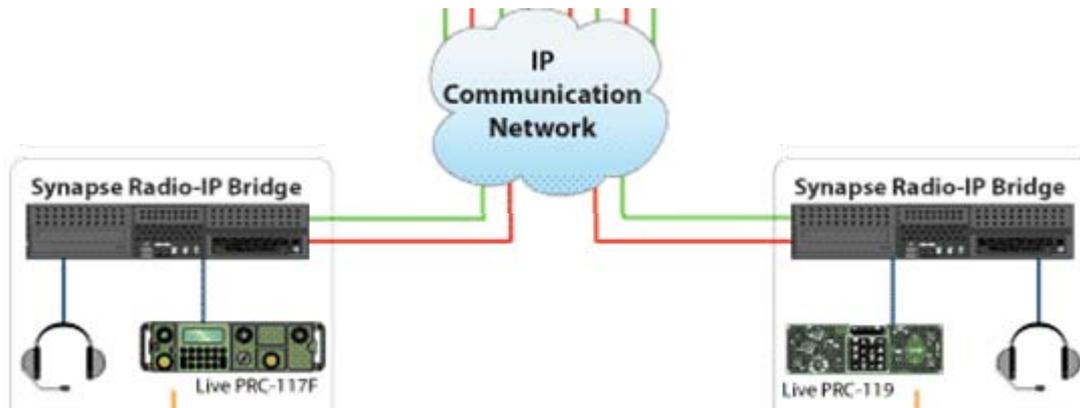
“How do we add virtuals?”



AOC / CRC
(USAF/NATO)



JTAC Station
with BOSS Client





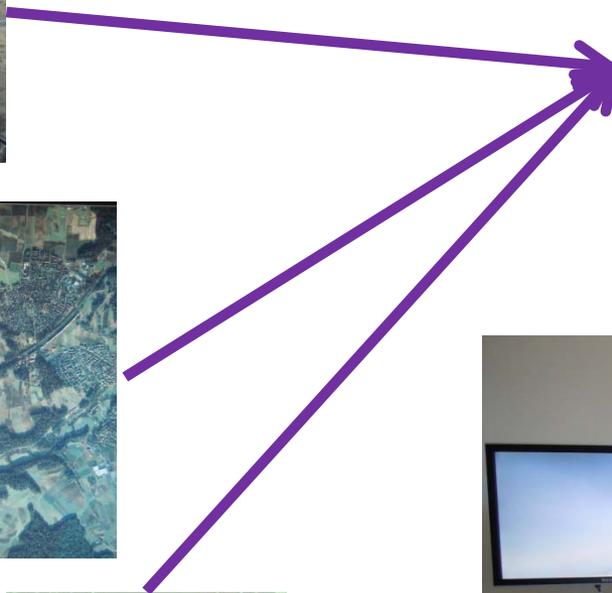
Four Ship Virtual Capability

- Provides capability for Joint Terminal Attack Controllers (JTACs) to call-in simulated air assets when live air is not available (fuel cost, ops tempo, weather, etc.)
 - Can operate in unclassified environment (CDS not required)
 - Puts a simulated airframe (Piloted or UAV) to the fight
 - Integrates virtual air assets into a combat training environment
 - JTAC
 - A/A engagements
 - Operators communicate with controllers to locate, target, and engage entities (live, virtual, constructive)
 - Potential Air-to-Air OPFOR
 - Joint forces training multiplier
 - Uses SIMIGON Virtual Aircraft Trainer
-



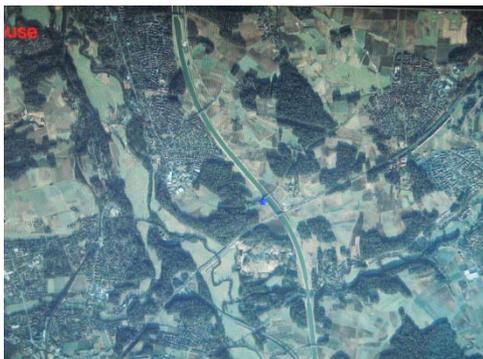
CONOPs

Live



SIMIGON

Virtual

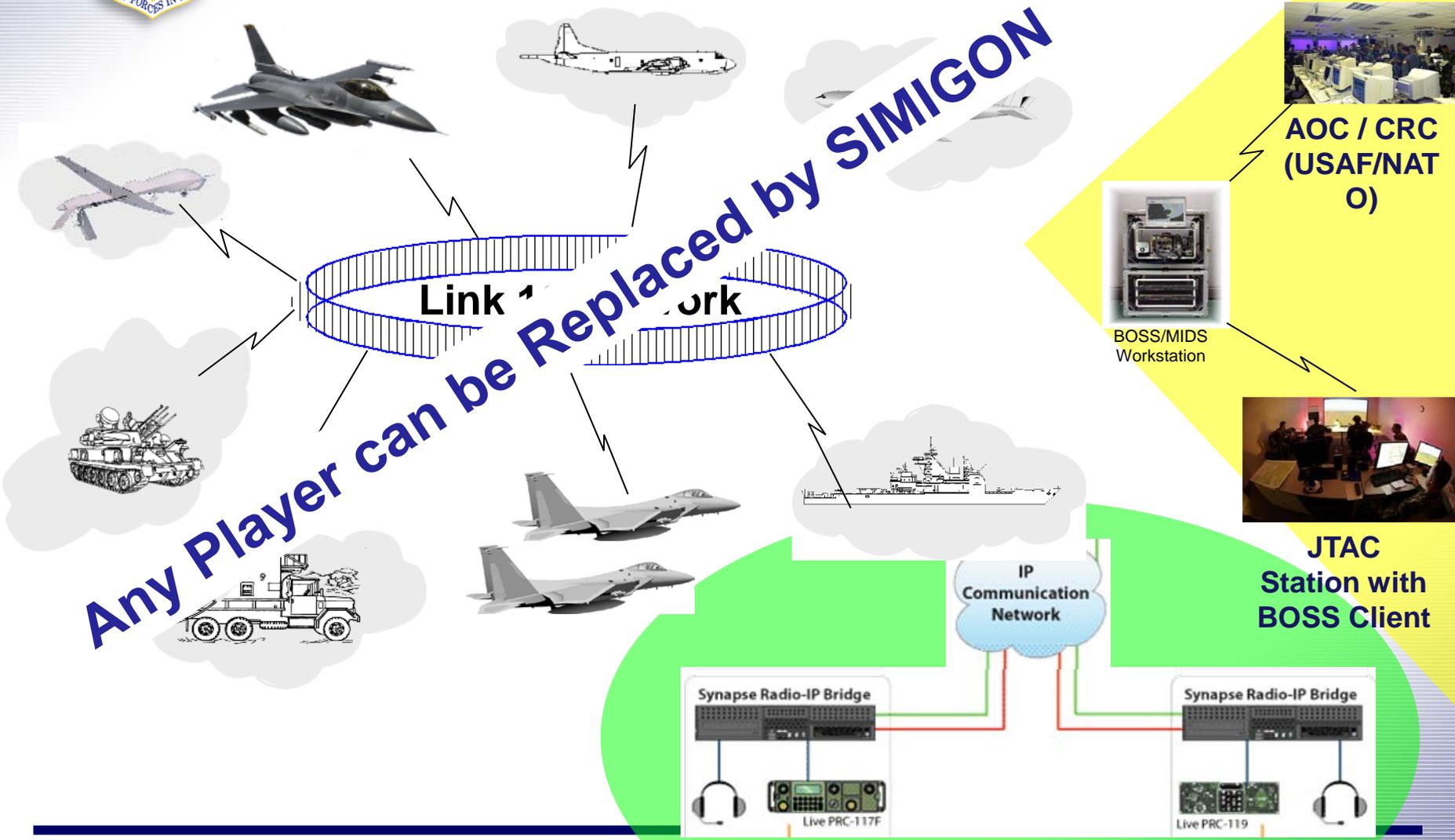


Constructive





Enhanced Training Scenario



Any Player can be Replaced by SIMIGON

Link 1



AOC / CRC (USAF/NATO)



BOSS/MIDS Workstation



JTAC Station with BOSS Client

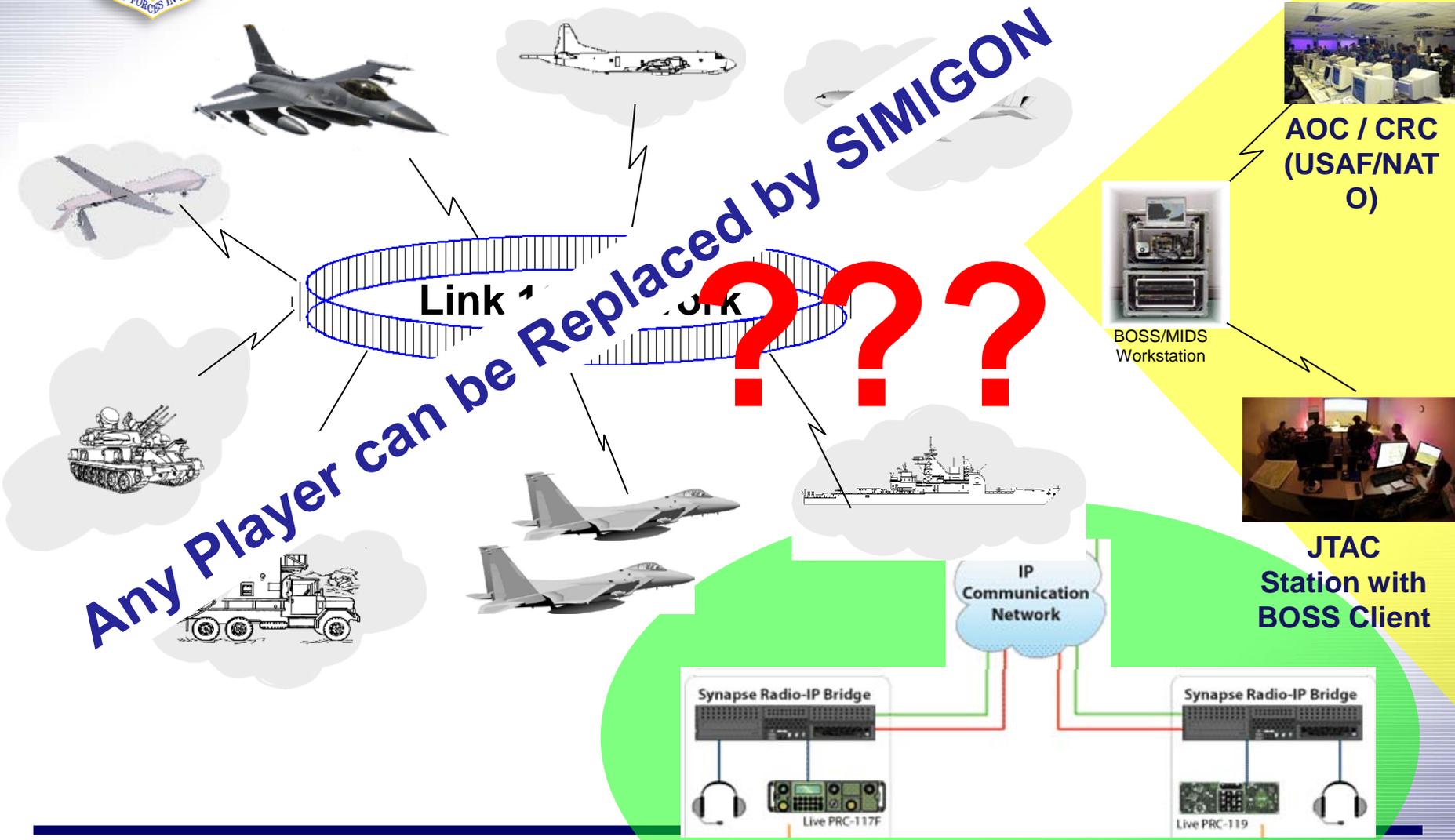
IP Communication Network





Challenge

How do we extend to austere locations?

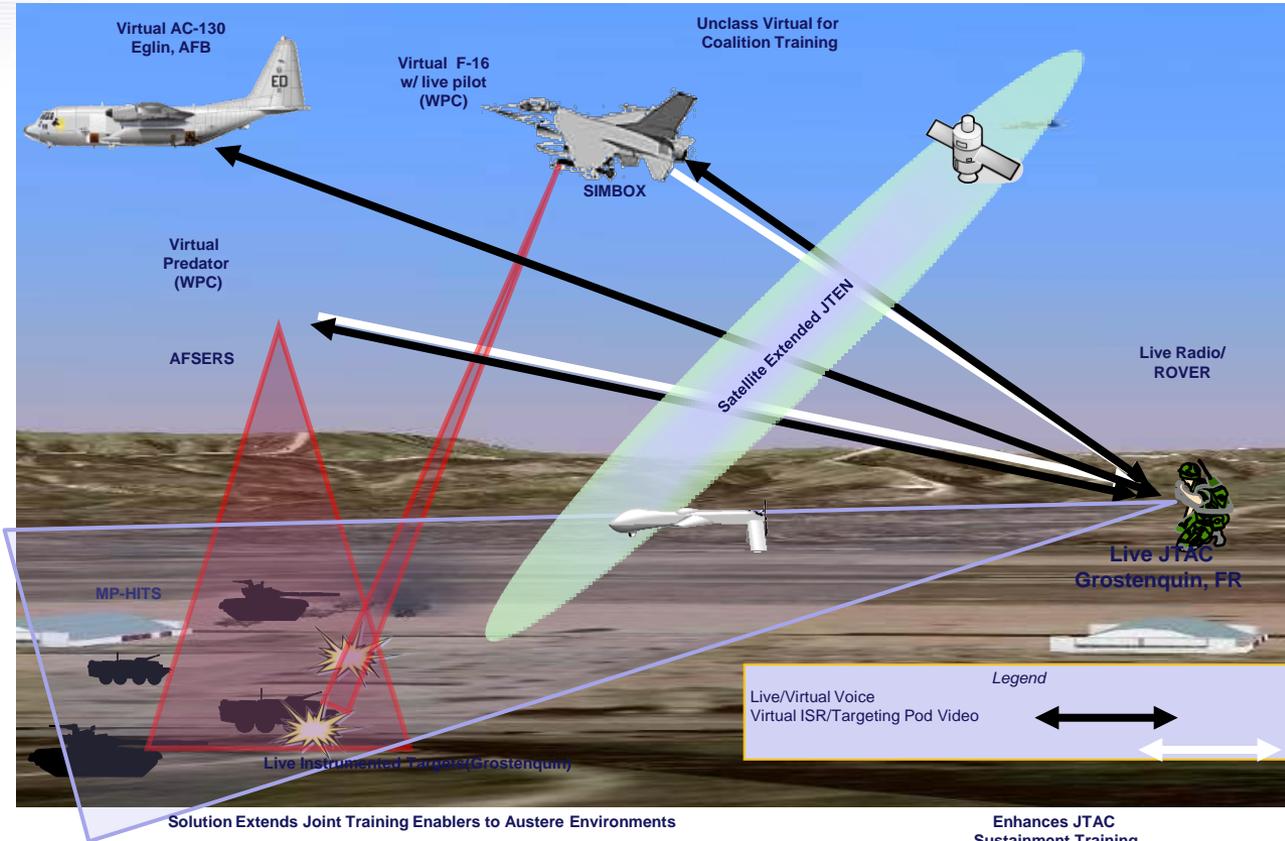




Expeditionary Joint Training Enterprise Network JFCOM Sponsored – WPC Supported

Connects any Virtual

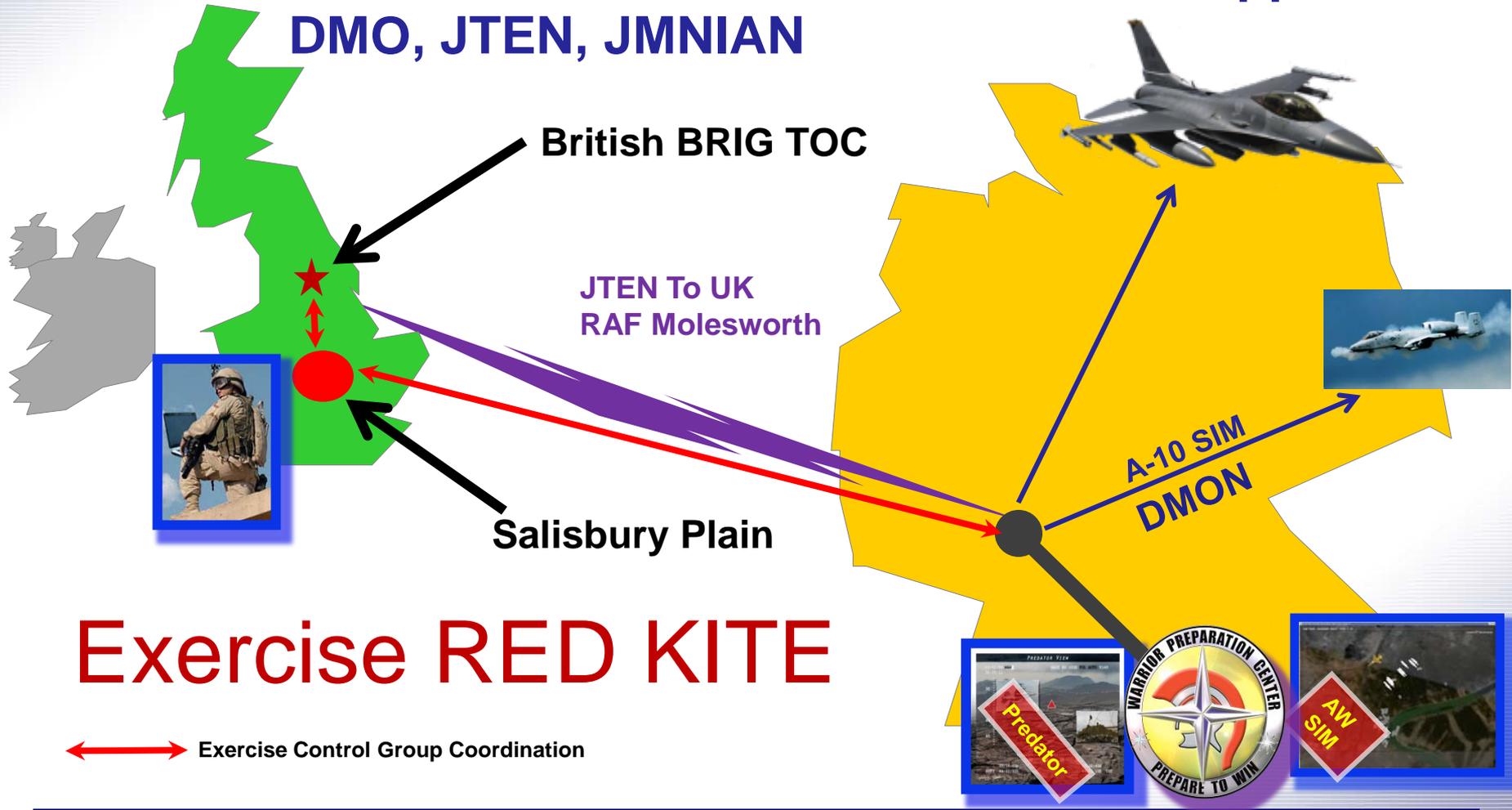
JTEN-X Spiral 2 OV-1





Challenge: How is AF Integrated with Coalition Players?

**SOLUTION: Mutual Joint/Coalition Support.
DMO, JTEN, JMNIAN**





CHALLENGE: How Is a Service Staff Prepared for a Joint Event?

SOLUTION: USAFE Joint Training University

- ***IQT (JTF/JFACC/AFFOR)***
 - ***3 day Resident Course***
 - ***E-learning Component***
 - ***Goal: Transition 2/3 to Web-Based***

• Handed off to USAF (505thWG)
30 Aug 11

- ***MQT (JTF/JTF STAFF/JFACC)***
 - ***Development concept requires 4 days of resident training***
 - ***Elearning Component***
 - ***Goal: Transition 1/4 to Web-Based***

- ***Custom Developed and Presented***
 - ***Just In time for JTF Deployments***
 - ***Specialized***
 - ***CYBER***
 - ***IAMD***
 - ***Event Academics***



Bottom Line

■ SOLUTIONS

- USAFE and the WPC have faced critical challenges and have enjoyed significant successes
 - Joint and Coalition Focus
 - Aided significantly by JNTC (Both Service & COCOM JNTC Funds)
 - Supports other services, countries, alliances daily

■ CHALLENGES

- Continue to face fiscal and manpower Challenges
 - Services unable to fund Joint training mission
 - No “Line of Communication” between requirement and WPC

QUESTIONS
