

***Training as we fight –
as a Joint force***

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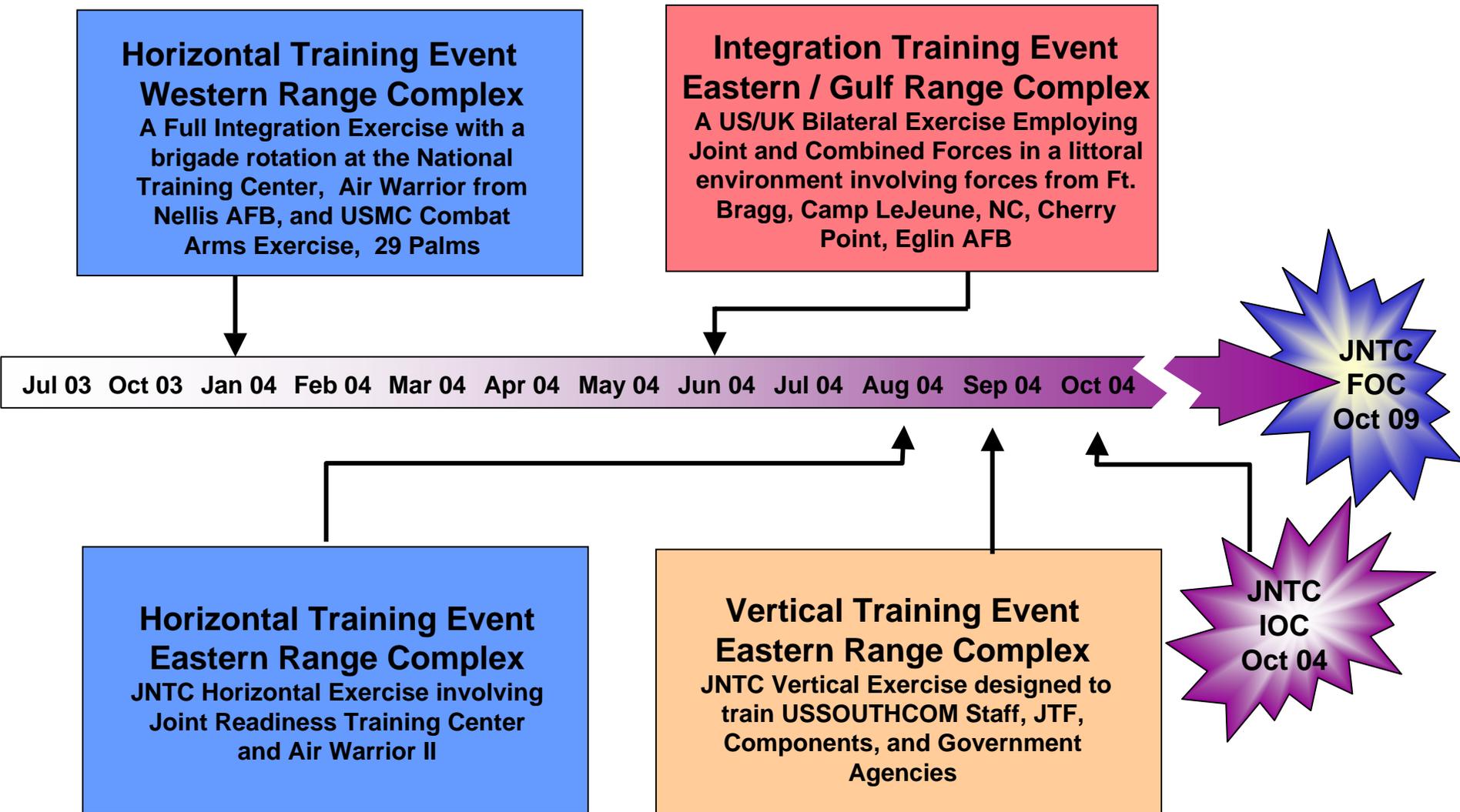
JNTC Perspective

Training Transformation (T2)



Training the Way We Fight

IOC Implementation Events



Western Range Complex JNTC JAN 04 Horizontal Training Event

Joint Tactical Tasks (JTT)

3.2.2 Conduct Joint Close Air Support

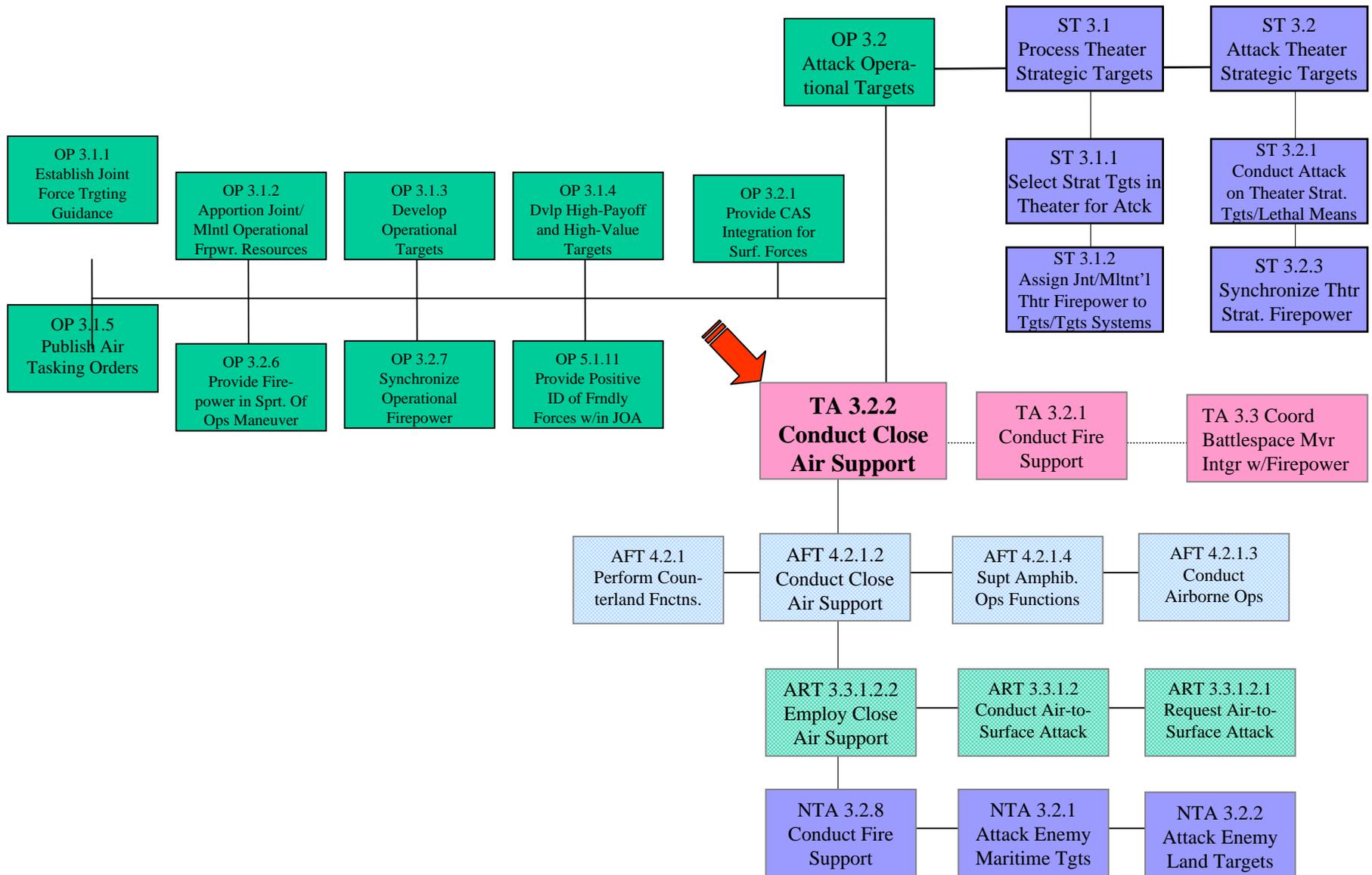
Supporting Tasks (analyzed WRT primary JTT):

5.2.1 Establish, Operate and Maintain Baseline Information Exchange

6.5 Provide for Combat Identification

Joint Tactical Task Linkage Template

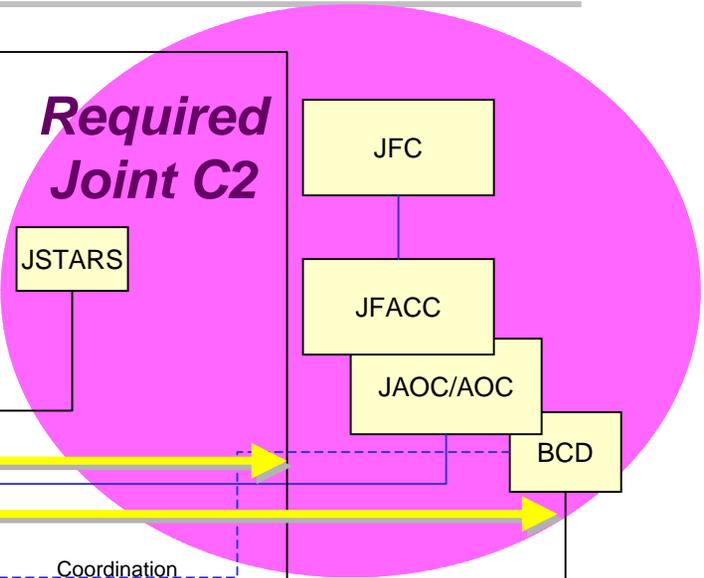
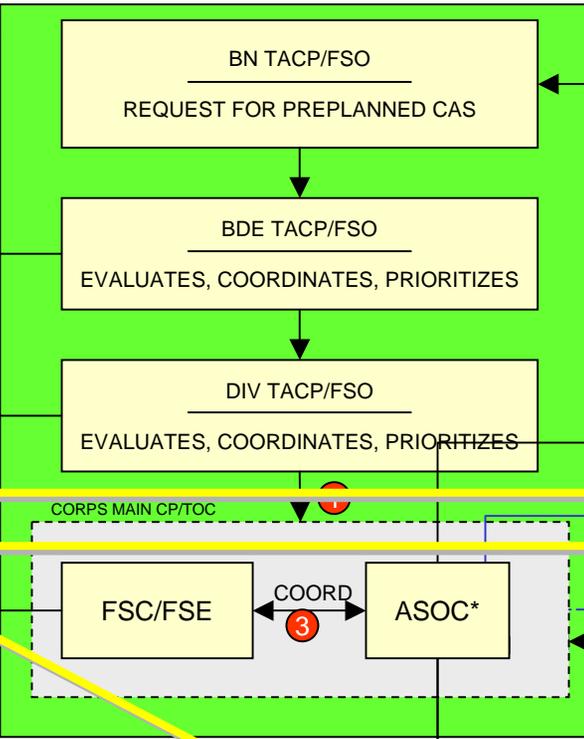
TA 3.2.2 Conduct Close Air Support



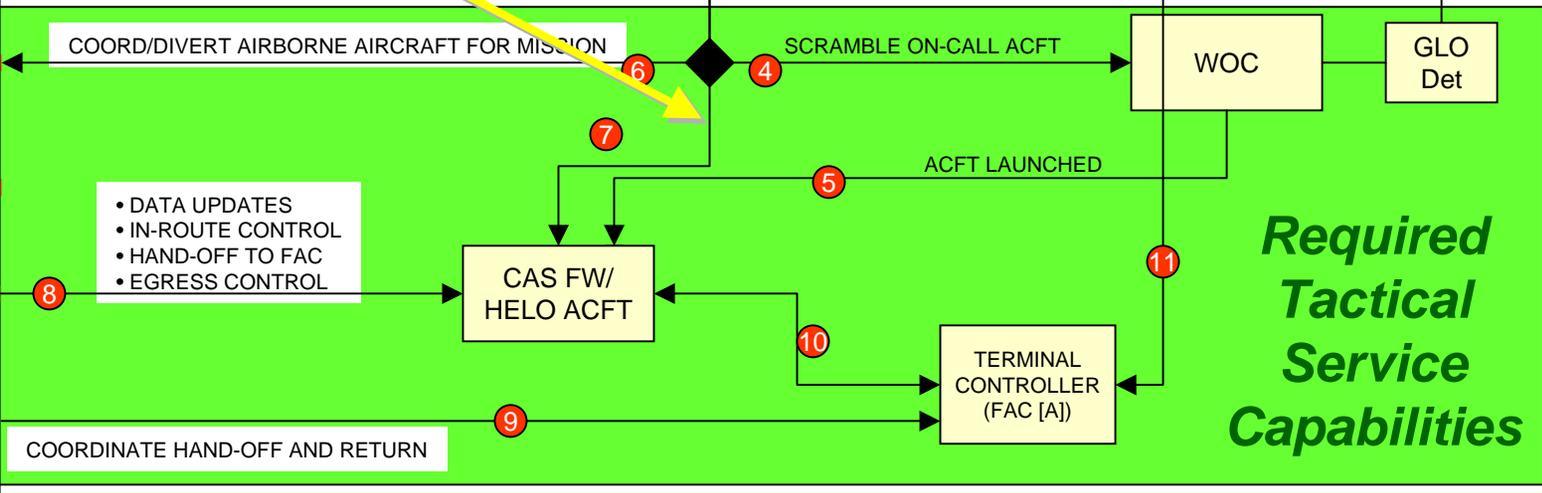
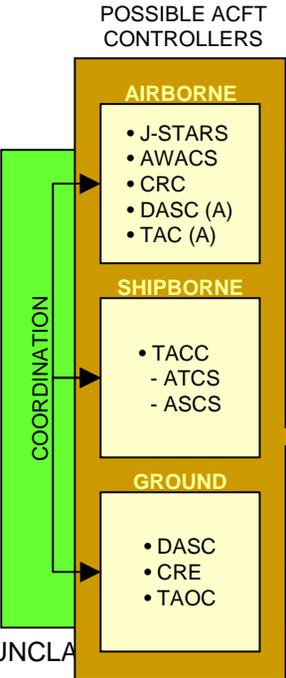
JCAS Operational Architecture – JAN04 WRC Event

ARMY/AIR FORCE (PRE) CAS OV-5
(Air Force is JFACC)

SUPPORT REQUIREMENT TASKED TO OTHER FIRE SUPPORT ASSETS



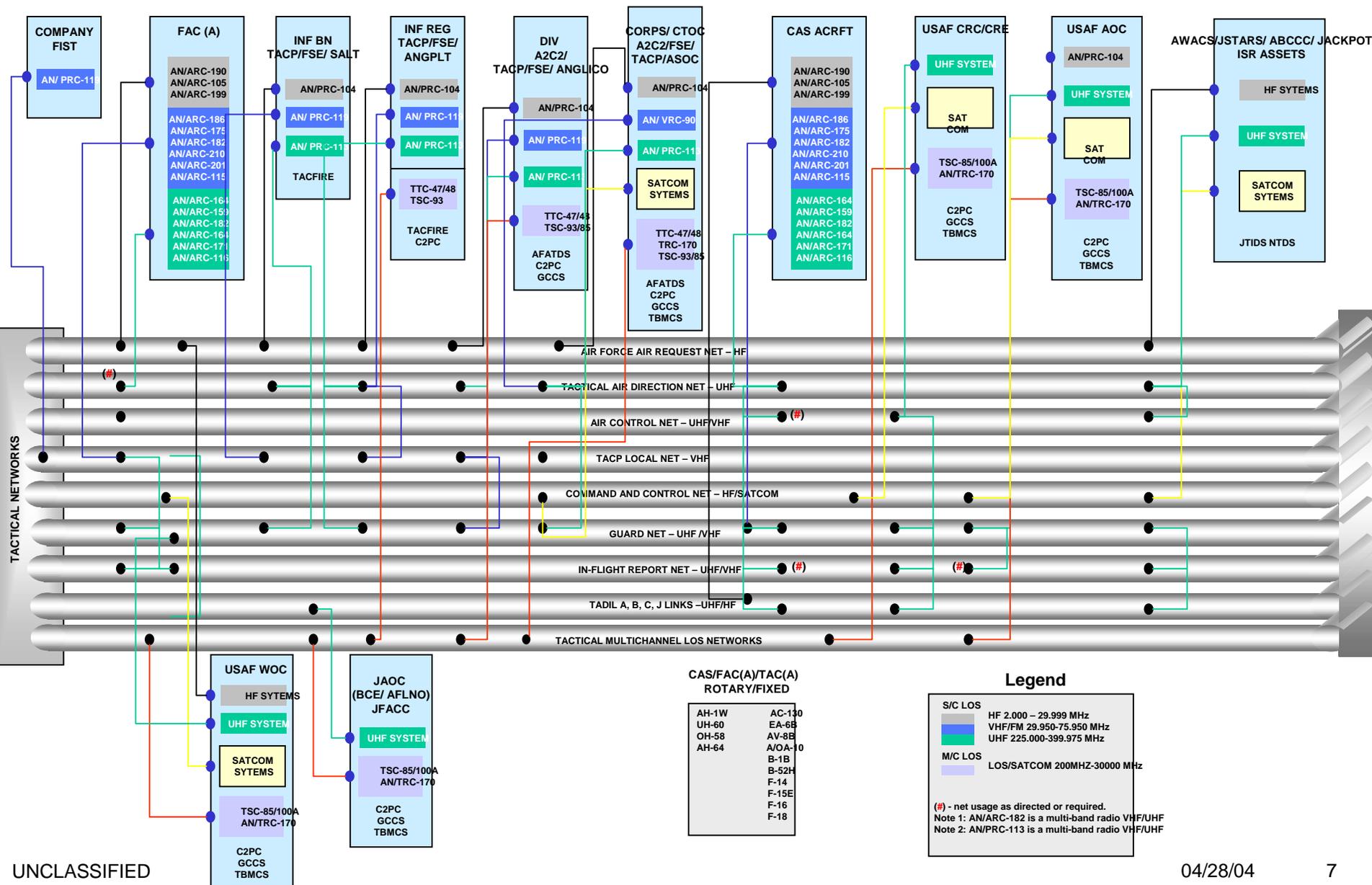
Info Exchange Requirements



Required Tactical Service Capabilities

* J-STARS/AWACS can function in place of ASOC.

JCAS Systems Architecture – JAN04 WRC Event



JNTC January 2004 Event Highlights

1. Realistic combat training.

- **The first tactical exercise of Joint close air support with all Service participation** and assessed to defined JCAS Joint Tactical Task (JTT) conditions and standards.
- **The first integration of live, virtual, and constructive simulations** (upgrade of Millennium Challenge 02 capabilities) establishing broader battlefield play.
- **Live and distributed virtual play of SOCOM resources.**
- **A fully distributed training audience** and training support.

2. Adaptive and credible opposing force – Added fixed and rotary wing threats, unmanned aerial vehicles, threat emitters, threat targets, decoys, and civilian play establishing realistic and credible training conditions.

3. Common ground truth – First instrumentation of the Marine Corps' 29 Palms training facility and **integration of major Western Range Complex sites** to aid real time ground truth assessment .

4. High quality feedback.

- Fully manned assessment teams assigned to each live location with enhanced analyses conducted by Joint Warfighting Center analysts, the Joint Combat Identification Evaluation Team, personnel for the Joint Interoperability Test Center, and the Joint Close Air Support Joint Test Team.
- Early **integration of the Joint C4ISR Battle Center's Interoperability Technology Demonstration Center to assess command and control capabilities.**

JNTC Jan 04 Event

Western Range Complex

Horizontal Exercise

ARFOR Ft Irwin
 3rd Bde of 3rd ID
 ARFOR RC SOF RC
 Live Fly
 JECG RC: VTC-C2PC-VOIP
 OPFOR RC JSOTF RC
 SNN RI
JCATS / DBST
SELS
 GCCS-A TAIS
 AMDWS ASAS-L
 AFATDS V-UAV (3)
 ADOCS C2PC
 JSWS / CGS TBMCS (ASOC)

NAS Fallon
 EP-3 MAST
 Link 16

JFACC (-) Nellis AFB
 CAOC-N Live Fly (USAF / USN)
 Air Warrior
 JECG RC: VTC-C2PC-VOIP
 SNN
NACTS RI
TBMCS ADSI
JSWS Link 16

National Sim Center – Ft Leavenworth
 Federation Monitoring

Fort Polk
 ARSOTF HQ

JTASC
 JTF
 JECG Main: VTC-C2PC-VOIP
 Federation Monitoring Tools
 SNN OPFOR HQ
 JITC
 M&S Tech Cont
 AWSIM JQUAD
 DBST JCATS
 RI JSAF
 GIAC
 GCCS-J TBMCS-R
 ADSI C2PC

SCLA (George AFB)
 ARSOF FOB
 Live fly (MH / CH-47)

Point Mugu
 Live fly (E-2C)

NAVFOR TACTRAGRUPAC
 NAVFOR RC
 JSAF BFTT
 GCCS-M MLST-3
 Link 16 ADSI
 IBDV TBMCS

NAVSTA San Diego
 Live - 3 Ships
 BFTT
 Link 16 GCCS-M

MARFOR 29 Palms
 6th Marines Live fly
 JECG RC: VTC-C2PC-VOIP
 OPFOR RC
 RI JCATS
 JSAF DVTE
 IOS TBMCS
 IOW C2PC

DMOC – Kirtland AFB
 Virtual JSTARS
 TBMCS ADSI
 Link 16
Davis-Monthan AFB
 Compass Call (Live)

Ft Rucker
 Virtual Apache (AH-64A)
 Virtual C2 UH-60

Ft Benning
 Dismounted Battlespace
 Battlelab – Squad Synthetic
 Environment

C2TIG & 19SOS – Hurlburt Fld
 AWSIM/W/S Virtual MH-53 (SOF)
 GIAC Virtual AC-130 (SOF)
 OPFOR RC
 GCCS-J TBMCS
 C2PC

Legend:

C4I Systems

ABCS – Army Battle Command System
 ADOCS – Automated Deep Operations Coordination System
 ADSI – Air Defense System Integrator
 AFATDS – Advanced Field Artillery Tactical Data System
 C2PC – Command and Control PC
 GCCS – Global Command and Control System-Joint
 GCCS-A – Global Command and Control System-Army
 GCCS-M – Global Command and Control System-Maritime
 IOS – Integrated Operations System
 JSWS – Joint Service Workstation
 TBMCS – Theater Battle Management Core Systems

M&S & Instrumentation

AWSIM – Air Warfare Simulation
 DBST – Digital Battlestaff Sustainment Trainer
 DVTE – Deployable Virtual Training Environment
 JCATS – Joint Conflict and Tactical Simulation
 JSAF – Joint Semi-Automated Forces
 JITC – Joint Interoperability Test Command
 JSTARS – Joint Surveillance Target Attack Radar System
 NACTS – Nellis Air Combat Training System
 SELS – Scalable Entity Level Simulation
 SNN – Simulation Network News
 RI – Range Integration
 JQUAD

JECG / Joint Support

GIAC – Graphical Interface Aggregate Control
 VOIP – Voice Over IP Phone
 VTC – Video Teleconference

Live Forces

Army – 3rd Bde of 3rd ID
 Marines – 6th Marines, Aircraft
 Air Force – Air Warrior
 Navy – 3rd Fleet Ships, Aircraft

Commander, USJFCOM Exercise Objectives - CJTFEX 04-2

- 1. Certify the JFK Carrier Strike Group (CSG) for deployment**
- 2. Use CJTFEX 04-2 as an enhanced integration exercise to facilitate the establishment of JNTC initial operational capability by October 2004**
- 3. Conduct interoperability training employing a forcible entry operational scenario**
- 4. Integrate, train, and assess USJFCOM component and multinational forces in selected JTT's**
- 5. Provide venue for combat identification and interoperability evaluation, TTP assessment, Technology Concept Demonstrations (TCD) and Joint Testing and Evaluation (JT&E)**
- 6. Provide a venue for a US / UK bilateral training exercise**

CJTFEX 04-2 Joint Tactical Tasks

- 1. TA 1.2.3: Conduct Amphibious Assault and Raid Operations**
- 2. TA 3.2.1: Conduct Fire Support**
- 3. TA 3.2.7: Conduct Air and Missile Defense Operations**
- 4. TA 5.2.1: Establish, Operate and Maintain Baseline Information Exchange**
- 5. TA 6.5: Provide for Combat Identification**

CJTFEX 04-2 “Firsts”

1. First JNTC Integration Exercise

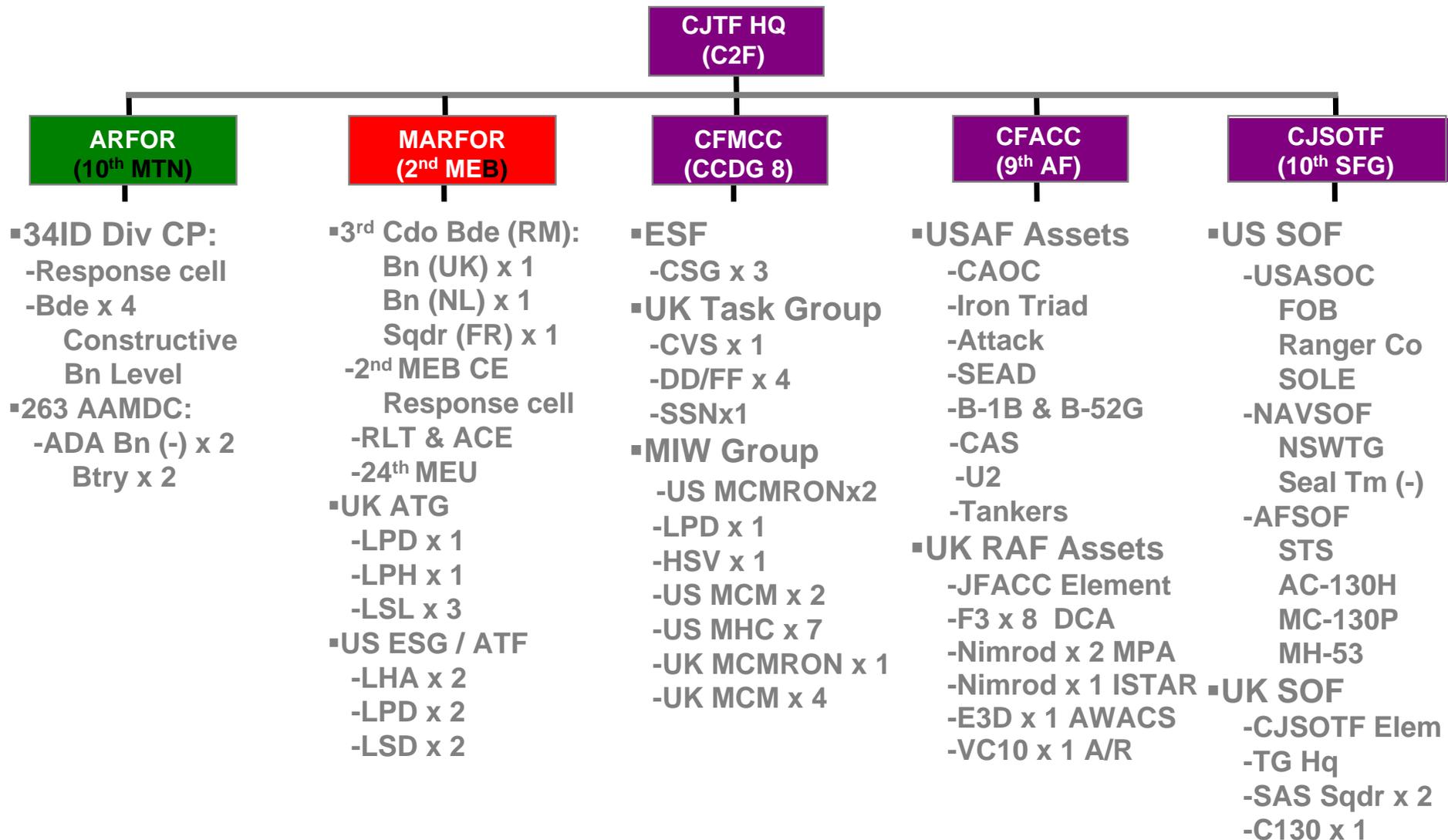
- Training focus on functional component commands**
- Analysis focus on joint tactical tasks**
 - Significant shift in the way JWFC plans and executes event analysis
 - Analysis results feed Capabilities Group process to effect transformational change package
- Canceling of Joint Red flag, downsizing of RS03**

2. Significant coalition participation

- US / UK bilateral joint training**

3. Major test of processes to incorporate JCIET and Joint Testing & Evaluation into a training event

CJTFEX 04-2 Forces



JNTC End State

JNTC provides the environment that will:

- Enable us to better exercise forces in Joint Tasks.
 - Rigorous, realistic training in a Joint and Integrated environment
- Measure joint force performance.
- Identify specific deficiencies that occur in the gaps and seams.
- Develop the DOTMLPF recommended solutions to achieve joint warfighting capability improvement over time.

Enhance and sustain a culture of jointness

Joint Training and Testing Mutual Equities

1. Currently being refined through Joint Testing in Force Transformation Roadmap and FY04 JNTC pre-IOC events/lessons learned
2. Fast growing cooperation:
 - TENA development and sustainment
 - Joint architectures
 - Shared processes and venues;
 - Shared investments: networks, instrumentation, OPFOR, LVC

Questions??

Backup

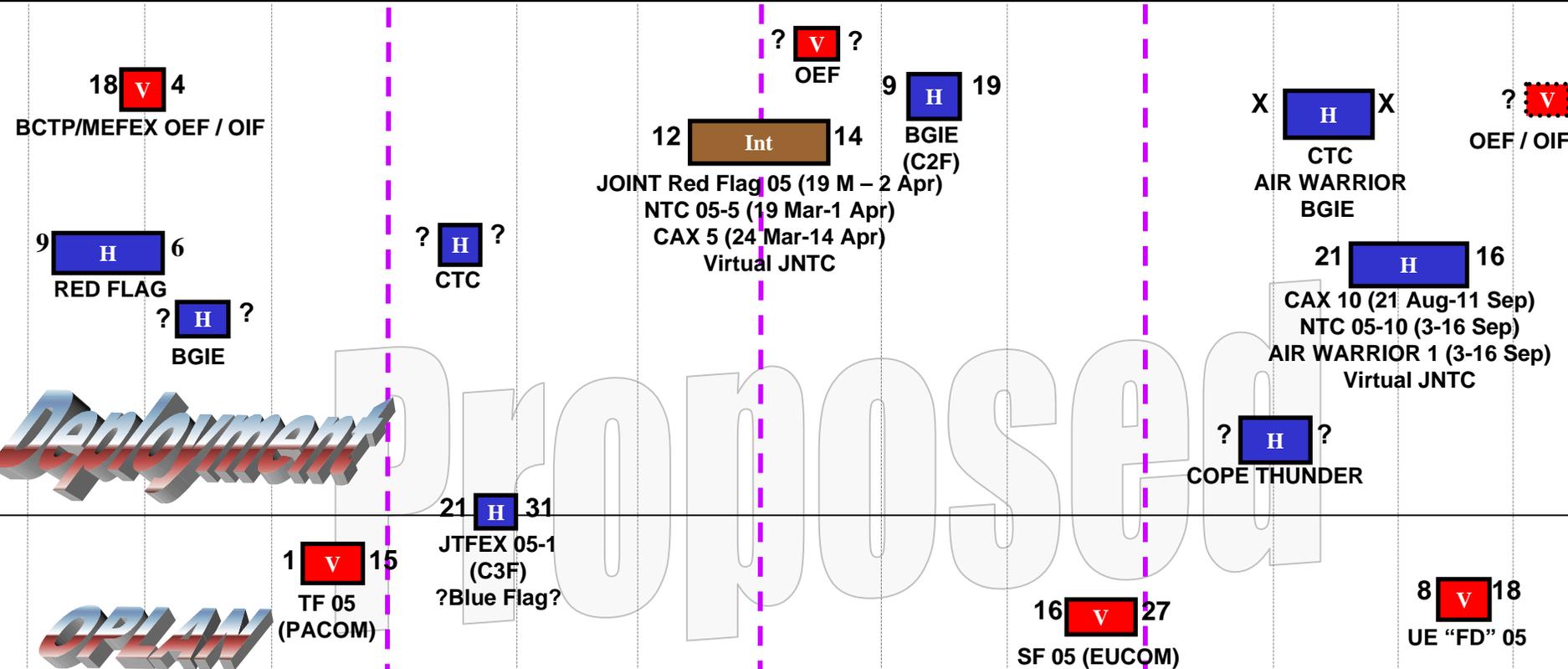
1st Qtr

2nd Qtr

3rd Qtr

4th Qtr

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT



BCTP – Battle Command Training Program
 BGIE – Battle Group Inport Training
 C3F/C2F – Commander 3rd/2nd Fleet
 CAX – Computer Aided Exercise
 CTC – Combat Training Center
 EUCOM – European Command
 FD – Fuertas Defensas
 JTFEX – Joint Task Force Exercise
 MAWTS – Marine Aviation Weapons and Tactics Squadron

MAWTS 05-2
 Roving SANDS 05 Blue FLAG -

MEFEX – Marine Expeditionary Force Exercise
 OEF – Operation Enduring Freedom
 OIF – Operation Iraqi Freedom
 PACOM – Pacific Command
 SF – Sharp Focus
 TF – Terminal Fury
 UE – Unified Endeavor

H JNTC Horizontal Training Exercise

V JNTC Vertical Training Exercise

Int JNTC Integration Training Exercise

1st Qtr

2nd Qtr

3rd Qtr

4th Qtr

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT



JTF Tng
Common Scenario?
East Coast

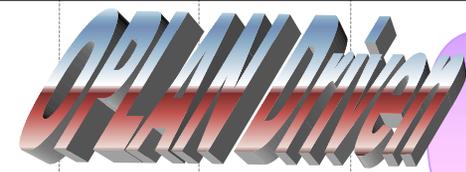
Int
West Coast

JTF Tng

Common Scenario?

Int
East Coast

Int
West Coast



COCOM
SJFHQ/JTF

COCOM
SJFHQ/JTF

Int
Overseas

COCOM
SJFHQ/JTF

COCOM
SJFHQ/JTF

COCOM
SJFHQ/JTF

Int
Overseas

COCOM
SJFHQ/JTF

COCOM
SJFHQ/JTF



JNTC Ground
"TA" TNG

JNTC Air
"TA" TNG

JNTC Maritime
"TA" TNG

JNTC Ground
"TA" TNG

JNTC Air
"TA" TNG

JNTC Maritime
"TA" TNG

JNTC Ground
"TA" TNG

JNTC Air
"TA" TNG

JNTC Maritime
"TA" TNG

JNTC Ground
"TA" TNG

JNTC Air
"TA" TNG

JNTC Maritime
"TA" TNG

VF
BCTP
NTC
JRTC
RF
BGIE

JNTC Horizontal Training Exercise

JNTC Vertical Training Exercise

JNTC Integration Training Exercise

JNTC Event Definitions

- **Improved Horizontal Training:**
Enhance Service to Service interoperability training
- **Improved Vertical Training:**
Link component and joint command and staff planning and execution
- **Integration Exercises:**
Enhance interoperability training in a joint context
- **Functional Training:**
Provide joint training for functional warfighting and complex joint tasks