Maintain midterm SIM capability for joint training on national and NATO Component level

NATO Joint Force Training Centre initiative

CAX Forum 2013, Rome

Agenda

❑ JFTC introduction

❑ Current update by US JS J7 and LLNL

❑ Discussion

   ❑ Topic 1: Nations' view on their current simulation systems usability and demands for midterm future

   ❑ Topic 2: Nations' view on Connected Forces Initiative

   ❑ Topic 3: Funding considerations

❑ Conclusions

Joint Force Training Centre is:

- the NATO training centre for single component command training (land-heavy) with focus on joint tactical level operations

- an active supporter of Connected Forces Initiative (CFI) and Future Mission Network (FMN) concepts

    ➤ e.g. by providing a technical platform and tools for executing multinational exercises within the scope or as part of the NATO Force Structure (NFS)

- <u>NOT</u> a competitor for national training activities
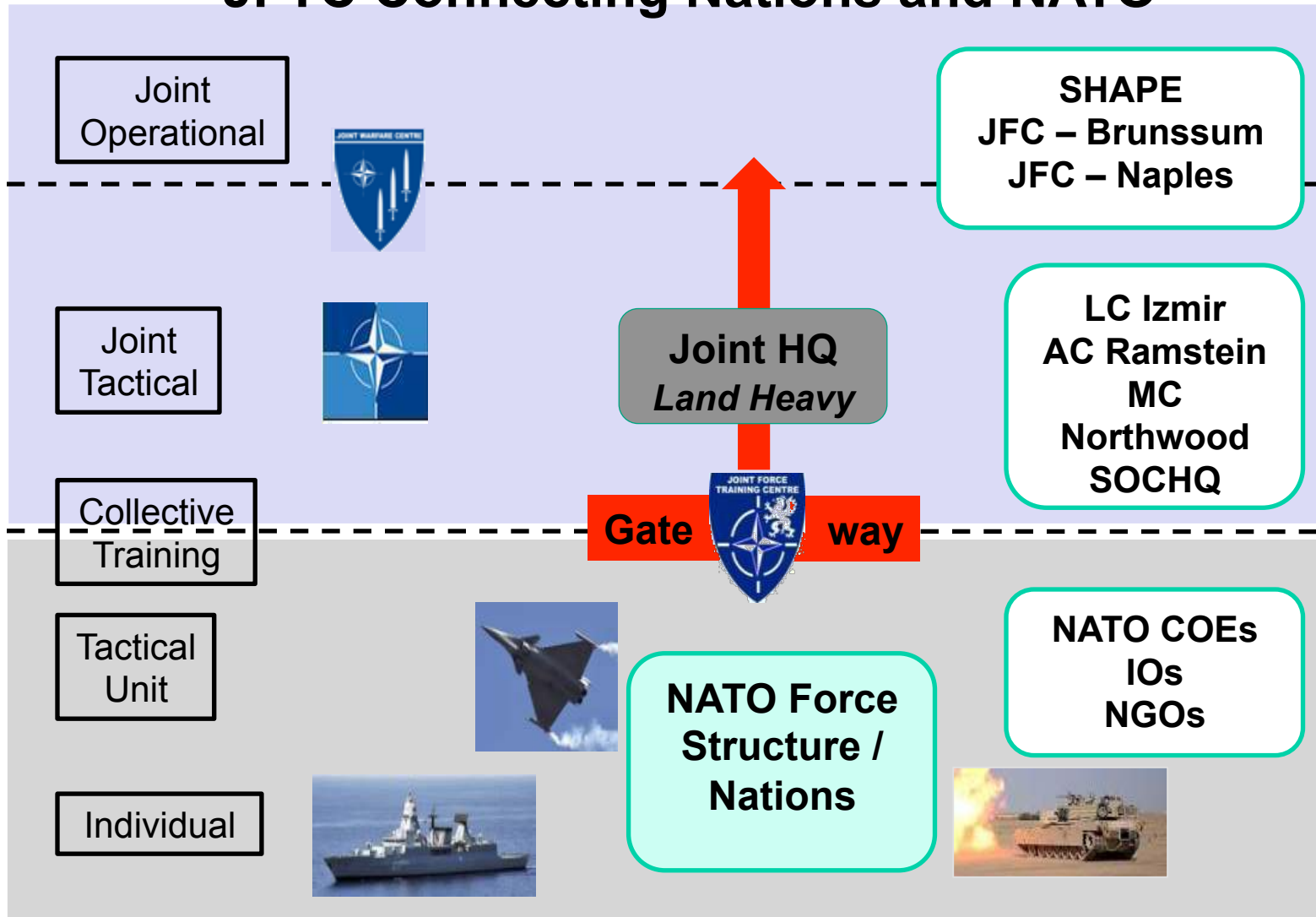
- <u>NOT</u> a source of funding for national training

A range of possible support to the Nations:

- Entry point for joint/multinational HQ exercises

- Adding "genuine NATO flavour" to national exercises

- A path for nations to train NATO procedures

- A way to reduce cost of sharing data and tools

- Assistance in arranging distributed exercises

- Promotion of cooperation for coordinated and cost-efficient training for both NATO and the Nations
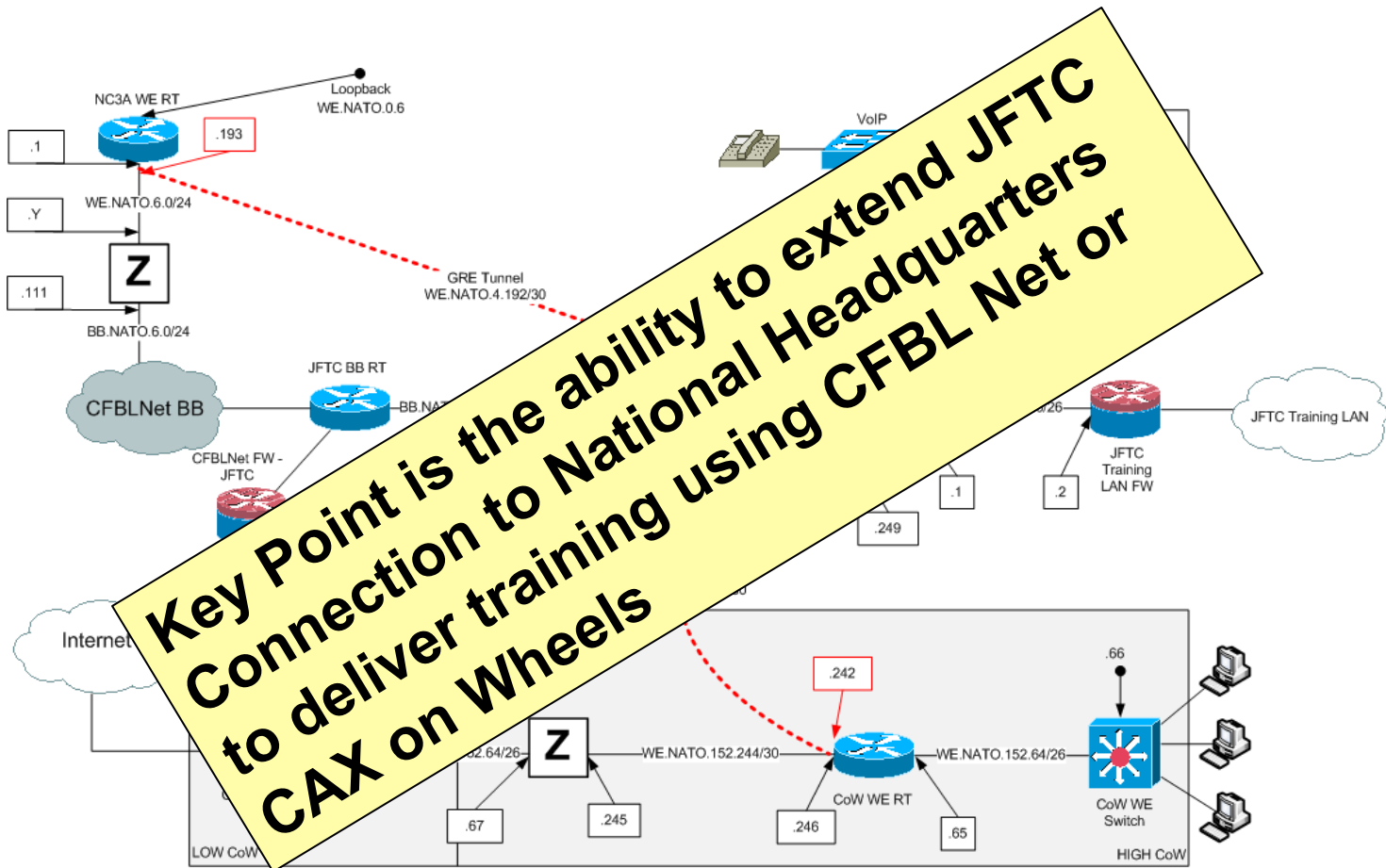
JFTC – what do we offer?

JFTC Connecting Nations and NATO

Joint Operational		**SHAPE** **JFC – Brunssum** **JFC – Naples**
Joint Tactical	**Joint HQ** *Land Heavy*	**LC Izmir** **AC Ramstein** **MC** **Northwood** **SOCHQ**
Collective Training	**Gate** way	
Tactical Unit	**NATO Force Structure / Nations**	**NATO COEs** **IOs** **NGOs**
Individual		

NATO/National Link

Key Point is the ability to extend JFTC Connection to National Headquarters to deliver training using CFBL Net or CAX on Wheels

The reasons to act

- JCATS in use by NATO and many Nations

- US support for enhancements stops soon

- This implies risk of losing our main sim system for "train as you fight"

- Need to find way ahead – ensure proper sim-based training until Core Simulation 2020 implementation (approximately 10 years)

- Invite Nations to discuss a coordinated approach

- NOT TO impose any decisions on Nations

Introductions by

- Col (ret) Robert Kean
  US Joint Staff J7
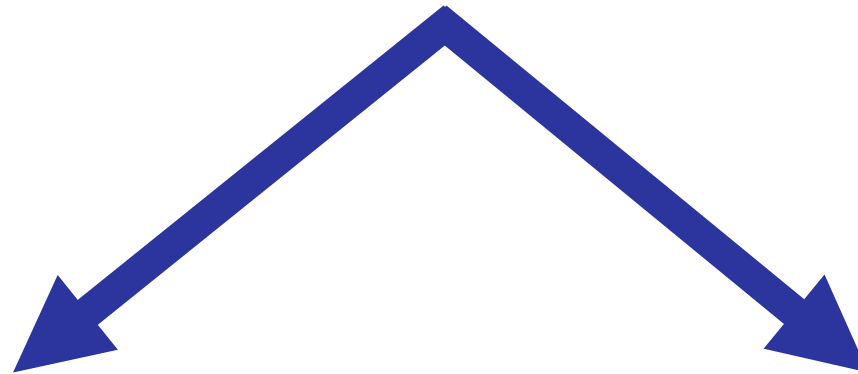
- Mr. William Belue
  US Lawrence Livermore National Laboratory

Discussion

How do the Nations foresee usability of their existing software?

What are the most important requirements to maintain mid-term sim functionality?

EXCON-related functionality	Training Audience-related functionality

Information gathered
from the JFTC's questionnaire to the Nations

- Common problems – C2 interfacing, federation

- Integration efforts often isolated within the Nation

- More automation, e.g. SITFOR AI

- New functions – training for disaster, training in cyber defense, ...

Information gathered
from the JFTC's questionnaire to the Nations

- NATO is perceived as the right body to coordinate and integrate national CAX efforts

- NATO is expected to be a repository for reference models, processes and lessons learned, shared scenarios

- NATO is seen as the future provider of sustainable CAX network with a lead on interoperability standards

2

How do Nations foresee implementation of Connected Forces Initiative?

The WHAT:

- Build Allies' ability to communicate effectively with each other
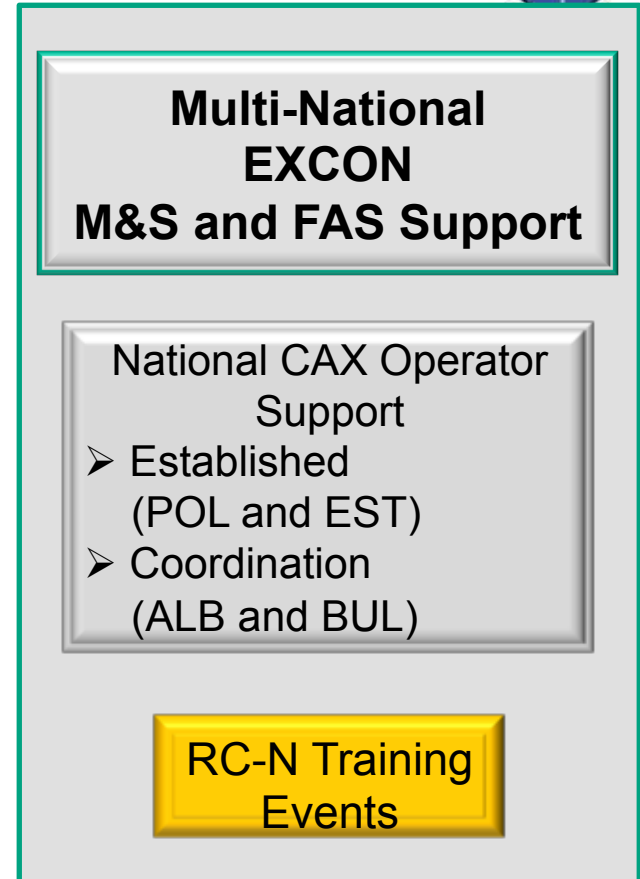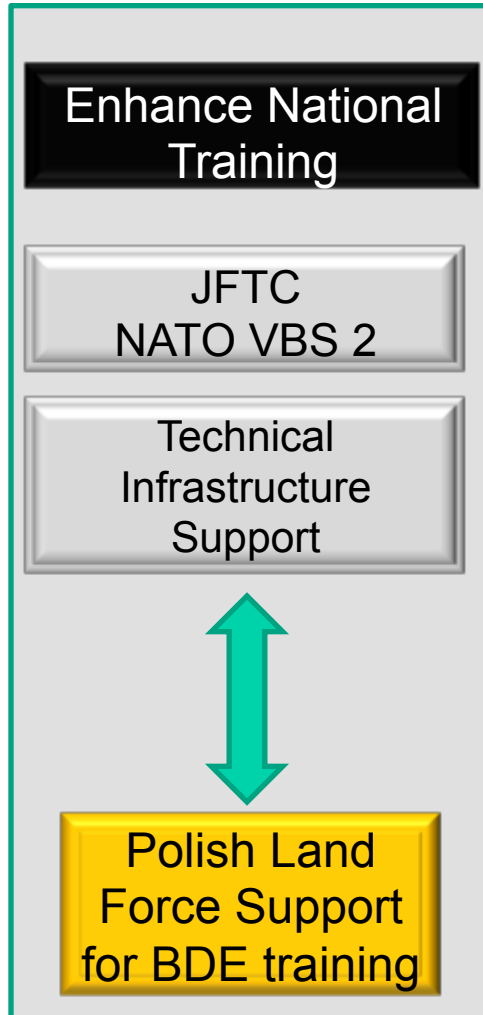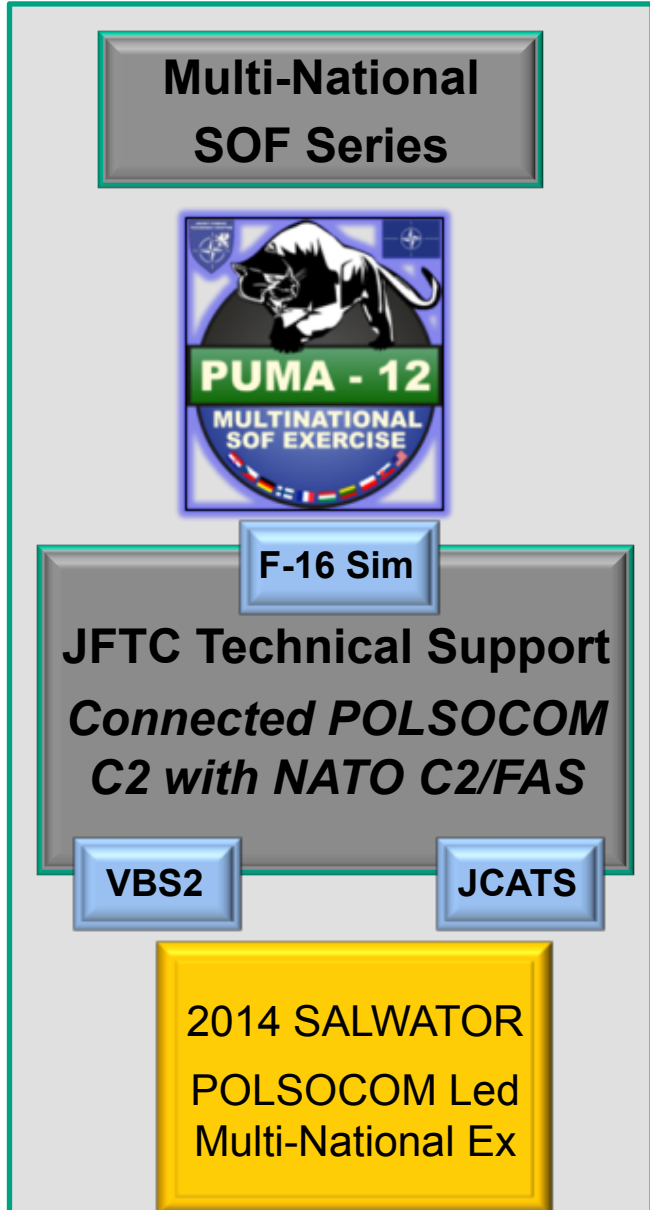
- Bring the forces to train together in harmony

The HOW:

- Expanded education and training (individual/small groups) between Nations and NATO

- High-intensity, large-scale exercises

- Better use of NATO technology (connectivity, interoperability, federation, distribution)

Current NATO and CFI

- **Within ACT Proposed Connected Forces Initiative (CFI)**
  - Look for Opportunities to Combine NATO and National Exercises
  - Coordination between NATO Command and Force Structure with National HQs and Forces

- **JFTC Leads Innovation**
  - Transform in order to support the full range of Alliance operations
  - Use of Simulation to Enhance Training
  - Use of NATO Live, Virtual, and Constructed (NLVC) to improve Component Command Level Training
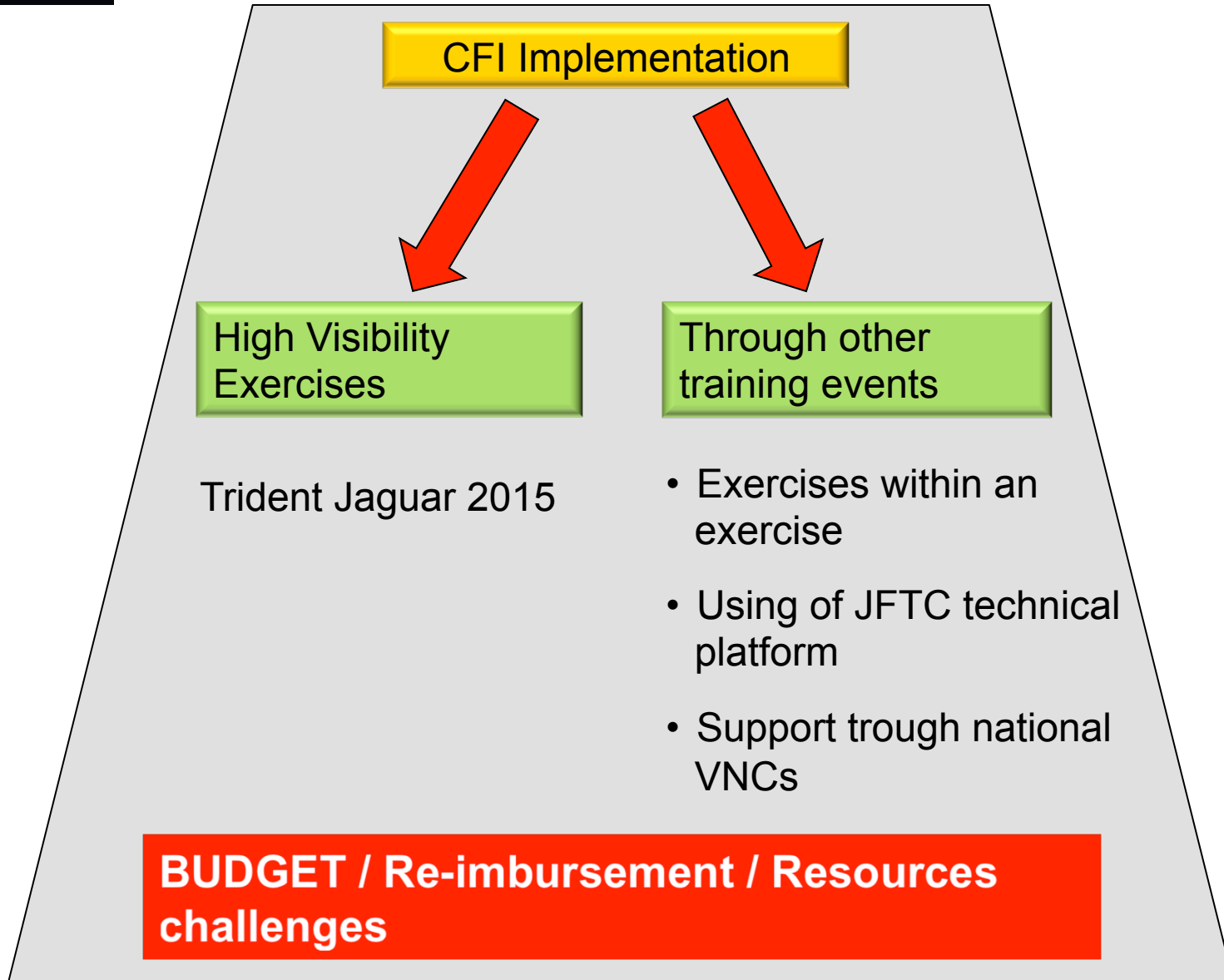
JFTC Execution of CFI Principles

Multi-National SOF Series

PUMA - 12
MULTINATIONAL SOF EXERCISE

F-16 Sim

JFTC Technical Support

Connected POLSOCOM C2 with NATO C2/FAS

VBS2   **JCATS**

2014 SALWATOR POLSOCOM Led Multi-National Ex

Enhance National Training

JFTC NATO VBS 2

Technical Infrastructure Support

Polish Land Force Support for BDE training

Multi-National EXCON M&S and FAS Support

National CAX Operator Support
➢ Established (POL and EST)
➢ Coordination (ALB and BUL)

RC-N Training Events

Provide "NATO Stamp" to National Exercises and increase interoperability between National Simulation Centres

Discussion – Topic 2

CFI Implementation

High Visibility Exercises

Trident Jaguar 2015

Through other training events

- Exercises within an exercise

- Using of JFTC technical platform

- Support trough national VNCs

BUDGET / Re-imbursement / Resources challenges

3

Funding considerations

Conclusions