



United States Joint Forces Command Information Operations Range

Bradley Thomason
Director, IO Joint Management Office
USJFCOM
Bradley.thomason@jfcom.mil
757-203-6967

Information Operations (IO) Range



Background:

- Responds to 2003 IO Roadmap - “DoD requires an integrated test range to increase confidence and better assure predictable outcomes. The test range should support exercises, testing, and development of Computer Network Attack (CNA), EW and other IO capabilities.”
- Letter designating USJFCOM as Lead Agent signed by DepSecDef on 18 Nov 2005
- IOC of Range in August 2006

Role:

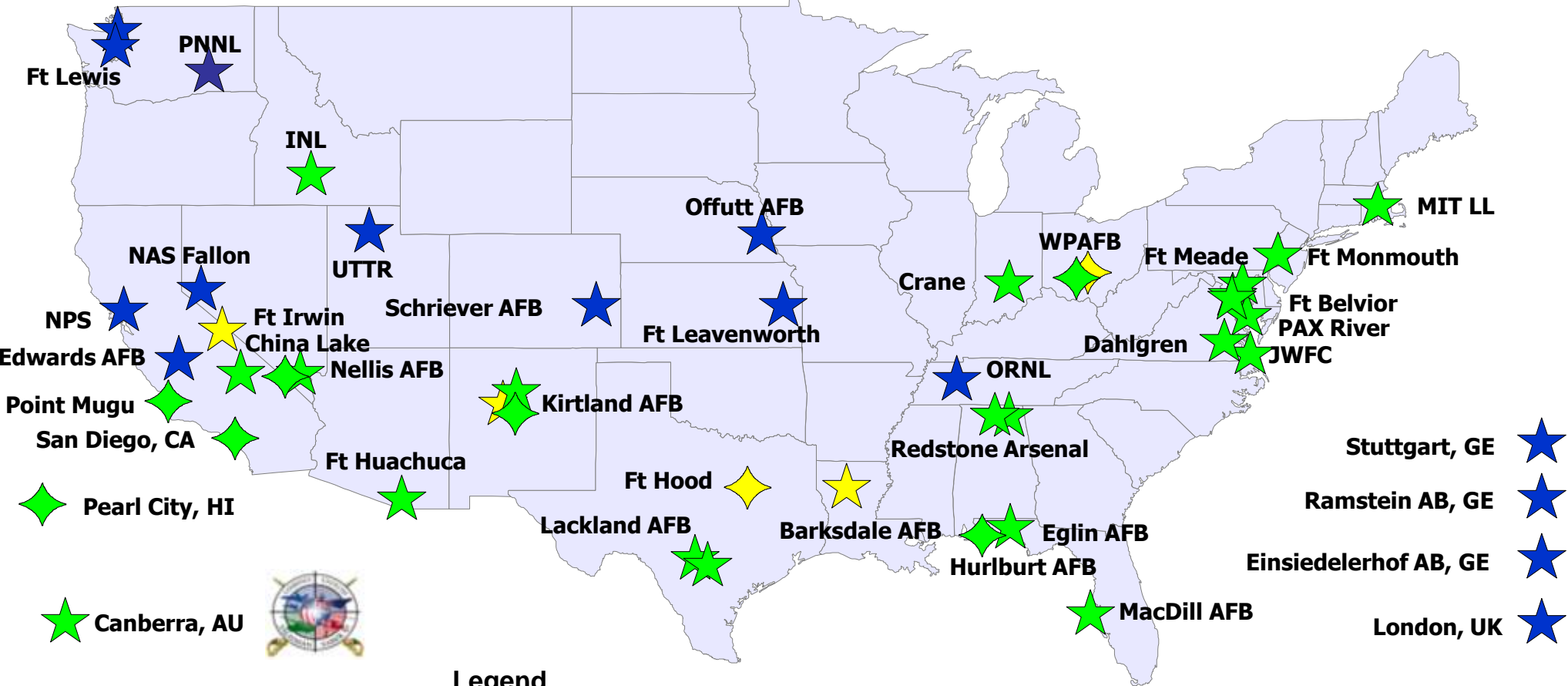
- Supporting activity to all life cycle activities – i.e. testing, training, mission rehearsal, etc.
- IO Range provides infrastructure, planning and execution support – we don’t own assets; we assist with integration into a single environment
- Approved “persistent infrastructure” for operations through SAP/SAR

Construct:

- Standing infrastructure supports execution of chartered events at all security levels
- Type 1 encryption creates a closed loop network to mitigate risks associated with developing, assessing, testing, or exercising *emerging & mature* IO capabilities
- Type 3 encryption creates VPNs within Type 1 backbone to support secure customer events
- Implemented processes to streamline event approval process; customer requirement-based agreements; short and long term Interconnection Security Agreements (ISA)
- The IO Range Operations Center (IOROC) provides a centralized management, security and coordination point for the distributed IO Range

Information Operations Range

Whidbey Island



Legend

Persistent	Transactional
Installed	Installed
In Progress	In Progress
Planned	Planned



Data Collection, Data Management and Test Control

Issues

- Data collection, management and control driven by event needs and focus
 - No one solution
 - Must be tailorable
- Not interested in single point solutions
 - Will seek common solutions
 - Security possible exception
 - Partnership a must