Overview

- Leadership Intent
- Challenges
- Concept Evolution
- ICC Organization
- DOTMLPF
- Lean Process Engineering
- Progress
“...Air Force will open and operate airfields” Gen Jumper, CSAF

“...focus on building a deployable integrated Expeditionary Operations Center that can be deployed for base opening actions so our motivated troops do not have to build this capability every time they deploy with ad hoc relationships and piecemeal equipment.”

Gen Keys, COMACC as AF/XO
Integrated Installation C2 Challenges

- Expeditionary Base Opening
- Integrated Base Defense
- ICC Standardization
- C2 System Integration
- WFHQ Integration
- Homeland Security
- Training
- Exercising
Gateway to Operational Level Command

**ICC Concept Evolution**

**Wing Operations Center (WOC)**
- Execute today’s ATO missions
- Track Commanders
- Flight following
- OPREP reporting
- Disseminate CONs
- Alerts and recalls
- Aircraft maintenance status
- Base operability
- Mobility and Generation
- Emergency Actions and Surety
- Battlestaff

**Expeditionary Operations Center (EOC)**
- Execute today’s ATO missions
- Plan tomorrow’s ATO missions
- Commander’s Situation Briefing
- Aircraft maintenance status
- Munitions
- Base Operations and Support
- Incident management
- Medical reporting
- Force protection

**WOC+EOC=Installation Control Center (ICC)**
- Scalable, tailorable, across phases and location
- Simplified training, exercising, and provisioning
Installation Control Center

- Hub for all Installation C2 functions
- Standardizes Installation C2
- Aligns the Installation C2 node with the commander responsible for Operational Support
- Bridges the C2 gap between operational planning and tactical execution
- Expeditionary C2 environment mirrors fixed installations
  - Reduces the training delta
  - Enables standard system provisioning

Organization is the key to C2 integration
Problem:
No Standard Installation C2

**Doctrine**
- No AF doctrine established for installation C2
- AFDD 2-8 refers to wing-level C2 without elaboration

**Organization**
- No standardized AF-wide C2 organization - inefficient
  - Multiple C2 centers on each base

**Training**
- Forces sourced from many bases do not train together
  - C2 training is usually OJT in combat conditions

**Materiel**
- No systems configuration management
  - No Logistics Details established

**Leadership**
- No centralized C2 for span of control and unity of command

**Personnel**
- No manning template for deployed C2

**Facilities**
- No standards for floor space, comms, security, etc.
Lean Process Engineering

- Align ICC with Lean Process Engineering
  - Upgrade and broaden acceptance of ICC processes
- Align ICC with development of C2 system standardization – Unit Command and Control (UC2)
  - ICC/UC2 capability is a JEFX08 focus area
  - UC2 and OSC2 are AFC2ISRC efforts
- Result: Aligns lean process engineering with operational capability development
  - Ensures future capability changes will result from process engineering
  - Enables authoritative sources to publish and subscribe
  - Enables self-synchronization
Process Engineering Alignment

Gateway to Operational Level Command

ICC Baseline

MAJCOM SMEs
EMP
OSC2
Air Staff SMEs

Lean Process Engineering (AFSO21)
Lean ICC Processes
UC2 Development based on ICC Operational Architecture

ICC and UC2
JEFX08
ICC IOC
UC2 Fielding
Progress

- **Executing HHQ tasking**
  - Coordinating ICC Enabling Concept
  - Outlining Training and IG Criteria for AF
  - Incorporating ICC concept into documentation
    - AF Doctrine
    - AF Instructions
    - AF Tactics, Techniques, and Procedures
  - Standardizing ICC throughout the USAF
Gateway to Operational Level Command