



F-35 Training Systems and Simulation PMO Vision

Training Systems

Distributed Mission Training

THRU

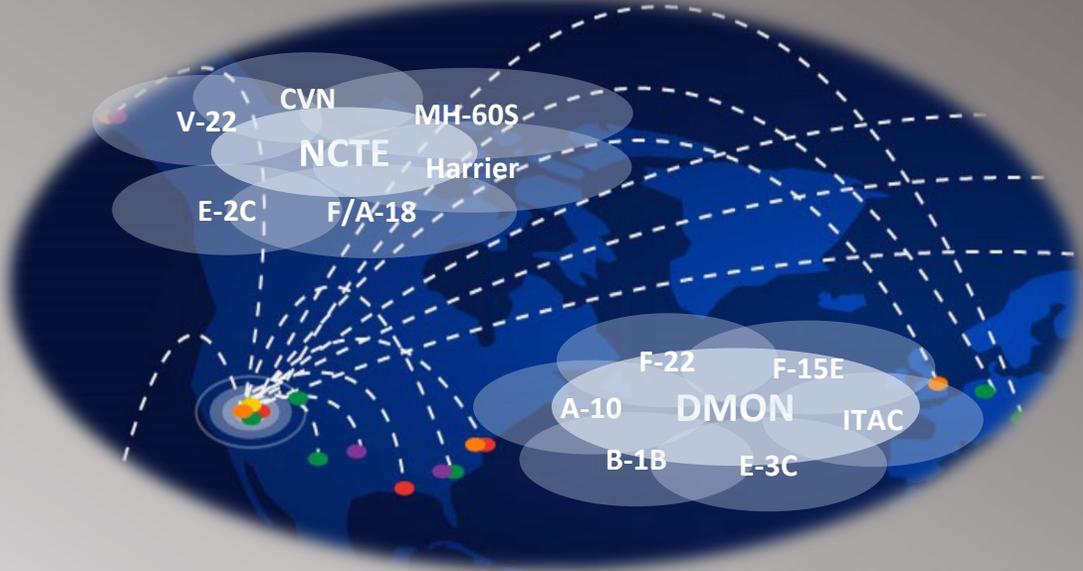
BASIC

ADVANCED

Blue Systems Red Systems
EMOE

Family of Trainers
(large to small footprint)
Aligned w/ Aircraft Capes
High-Fidelity Environment
Modern HW & SW Architecture

Enabling Lethality via a family of connected trainers in a high-fidelity environment

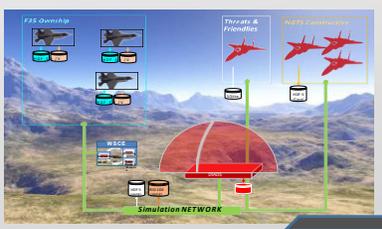


Networking F-35 FMSims globally
Virtual Constructive cross-platform training
Links multiple Sims via network

TRAINING



Joint Simulation Environment
Gov't-owned, High Density Threat Environment



Integrates High-Fidelity models (F-35-In-A-Box, Red Forces, Blue Forces, weapons, datalinks) that provide an operationally relevant, simulated environment



Enables F-35 capability verification and experimentation via 14 simulators that can replicate Blue and Red Air. Leverage environment for Training



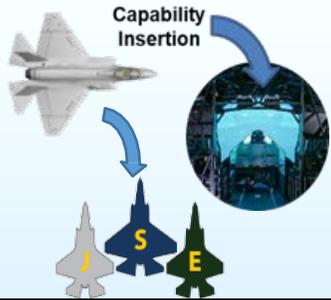
Effects Based Simulator that provides a scalable architecture across various hardware form factors (small, deployable) suitable for F-35 tactics development and training



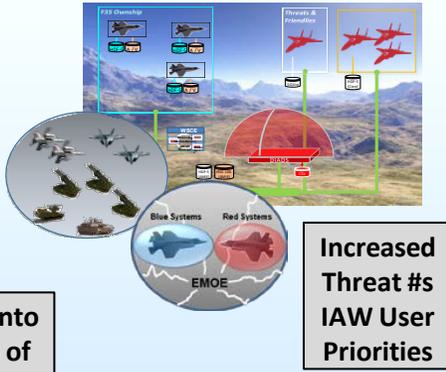
F-35 Training Systems and Simulation PMO

Baselined to enable F-35 Lethality

Air Vehicle Alignment

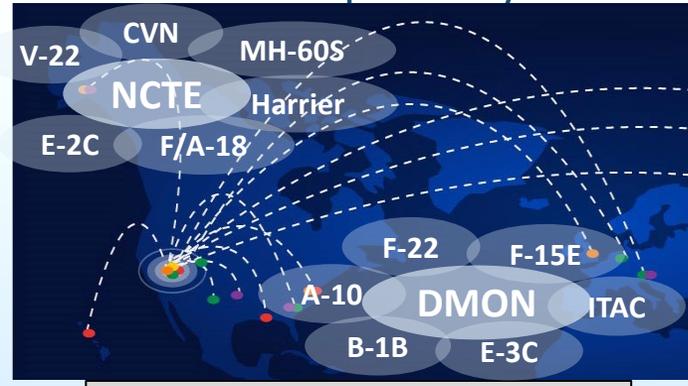


Threat Fidelity Improvement



Develop

Sim Interoperability



Next Gen Training 'Family' & Re-Architecture



Roadmap

FY21-27

- Aircraft Capabilities < 6-wks into Pilot Trainers
- Threats are operationally relevant with realistic behaviors
- JSE: Complete IOT&E
- Small Footprint Trainer developed and fielded
- Open Systems SW delivered
- 100% FMSims DMT capable

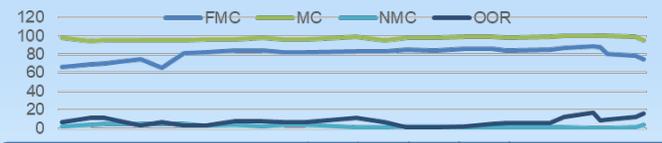
Deliver



- 90 trainers and courseware delivered across the F-35 enterprise
- JSE: Air-System alignment for follow-on F-35 capability verification

- FY21: Deliver 11 Trainers
- US Deliveries (FY21-27)
 - Pilot Training Devices: 40
 - Maintainer Training Devices: 2

Sustain



FMSim Tech Refresh



CPFH Affordability Target by end of FY21

- Achieve FMSim Availability Targets by FY25
- FMSim Tech Refresh Phase 1 completed by FY23
- Achieve Training CPHF goals by FY25