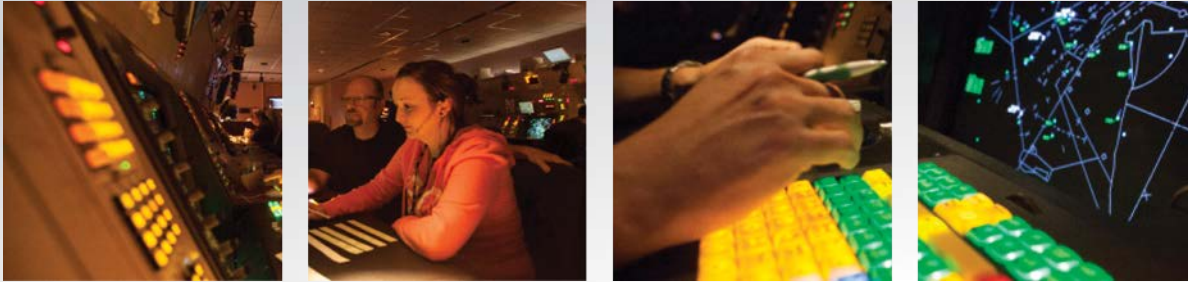# CENTERS OF EXCELLENCE
## TECHNICAL TRAINING & HUMAN PERFORMANCE

**Delivery of Training to Air Traffic Controllers and Airway Transportation Systems Specialist in the ATO's Environment**

**Steven Nauss**
*Acting Manager, Policy and Requirements Group*

Public Meeting | October 21-22
DoubleTree by Hilton, Crystal City (Arlington), Virginia
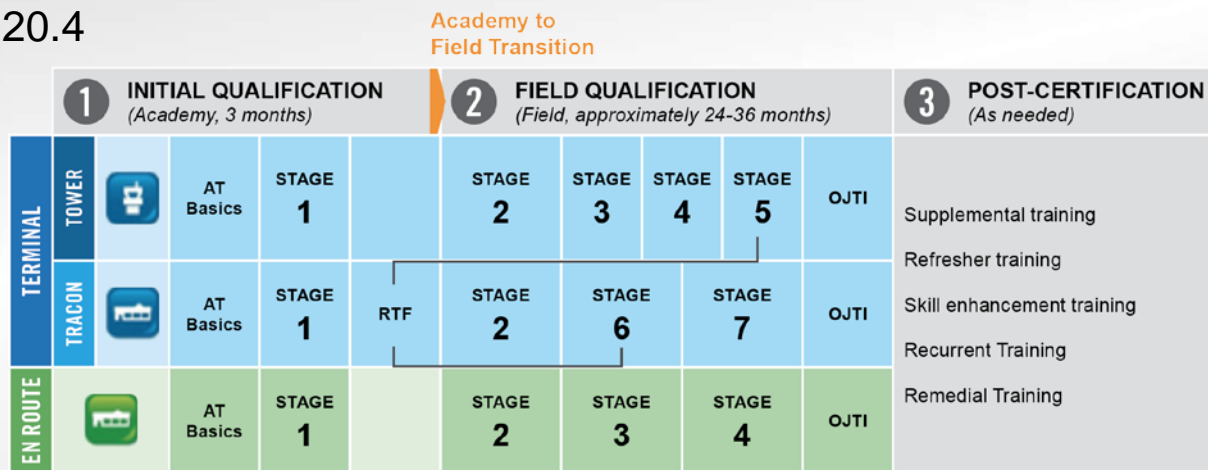
www.faa.gov/go/coe

# Delivery of Training to Air Traffic Controllers: Current State of Air Traffic

**Order**
- – FAA Order JO 3120.4 for Air Traffic Controllers

**Disciplines**
- – Tower
- – Tracon
- – En Route/ Oceanic
- – Flight Service Station (FSS)

| | | **1** INITIAL QUALIFICATION (Academy, 3 months) | | | Academy to Field Transition | **2** FIELD QUALIFICATION (Field, approximately 24-36 months) | | | | | **3** POST-CERTIFICATION (As needed) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **TERMINAL** | **TOWER** | | AT Basics | STAGE 1 | | STAGE 2 | STAGE 3 | STAGE 4 | STAGE 5 | OJTI | Supplemental training |
| | **TRACON** | | AT Basics | STAGE 1 | RTF | STAGE 2 | STAGE 6 | | STAGE 7 | OJTI | Refresher training |
| | | | | | | | | | | | Skill enhancement training |
| | | | | | | | | | | | Recurrent Training |
| **EN ROUTE** | | | AT Basics | STAGE 1 | | STAGE 2 | STAGE 3 | STAGE 4 | | OJTI | Remedial Training |

# Delivery of Training to Air Traffic Controllers: Current State of Air Traffic

**Technical Training for Certification**
- – Basic Stage 1 Training
- – Stage 2 through 7 Training delivered at field facilities via classroom and simulation (where available)
- – Stage 6 RTF must return to Academy
- – On-the-Job Training

**Post-Certification Training**
- – Recurrent is developed based off of safety data
- – Advanced training is inconsistent with the need (includes NextGen equipment and procedures across all domains)

# Delivery of Training to Air Traffic Controllers: Future State of Air Traffic

**Order**
- 3120.4 for Air Traffic Controllers

**Disciplines**
- Tower
- Tracon
- En Route/Oceanic
- Flight Service Station (FSS)

**Technical Training for Certification**
- Stage 1 delivered via outside training source
- Stage 2 through 7 Training delivered at field facilities using emerging technologies
- Stage 6 RTF must return to Academy
- Curriculum Architecture and outcomes based training as foundation of curriculum development

**Post-Certification Technical Training**
- Recurrent is developed based off of safety data
- Advanced training is centralized at the FAA Academy and can be delivered across all domains concurrently

# Delivery of Training to Airway Transportation Systems Specialist: Current State of Technical Operations

**FAA Order JO 3000.57 for Technicians**

**Disciplines**
- Navigation
- Communication
- Surveillance
- Automation
- Environmental

**Technical Training for Certification**
- Correspondence course
- Classroom
- Labs
- Web-based
- Out of agency
- On-the-Job Training

**Post-Certification Technical Training**
- Only delivered when the certification on the sub-system or service has changed

**NextGen equipment**
- No standardization of training developed by the Program Office(s)

# Delivery of Training to Airway Transportation Systems Specialist: Future State of Technical Operations

**FAA Order JO 3000.57 for Technicians**

**Disciplines**
– Cross-discipline training

**Technical Training for Certification**
– Common Principles Job jeopardy
– Use modern technology to determine training/certification criteria
– Curriculum Architecture and outcomes based training as foundation of curriculum development

**Post-Certification Technical Training**
– Only delivered when the certification on the system has changed
– T-SAP training
– Identify and develop refresher training