



Technical Training **STRATEGY & ROADMAP**

July 2017 ■ Version 2.0



Federal Aviation
Administration



AT A GLANCE

Just as technological advances in aviation continue to change the way the National Airspace System (NAS) operates, technological advances in learning methods continue to change how training is delivered. To keep pace, Technical Training (AJI-2) is transforming ATO's learning approach to more efficiently and effectively provide controllers and technicians with the skills, abilities, and knowledge they need when they need it to successfully and safely operate our constantly evolving airspace system.



our mission WHY WE EXIST

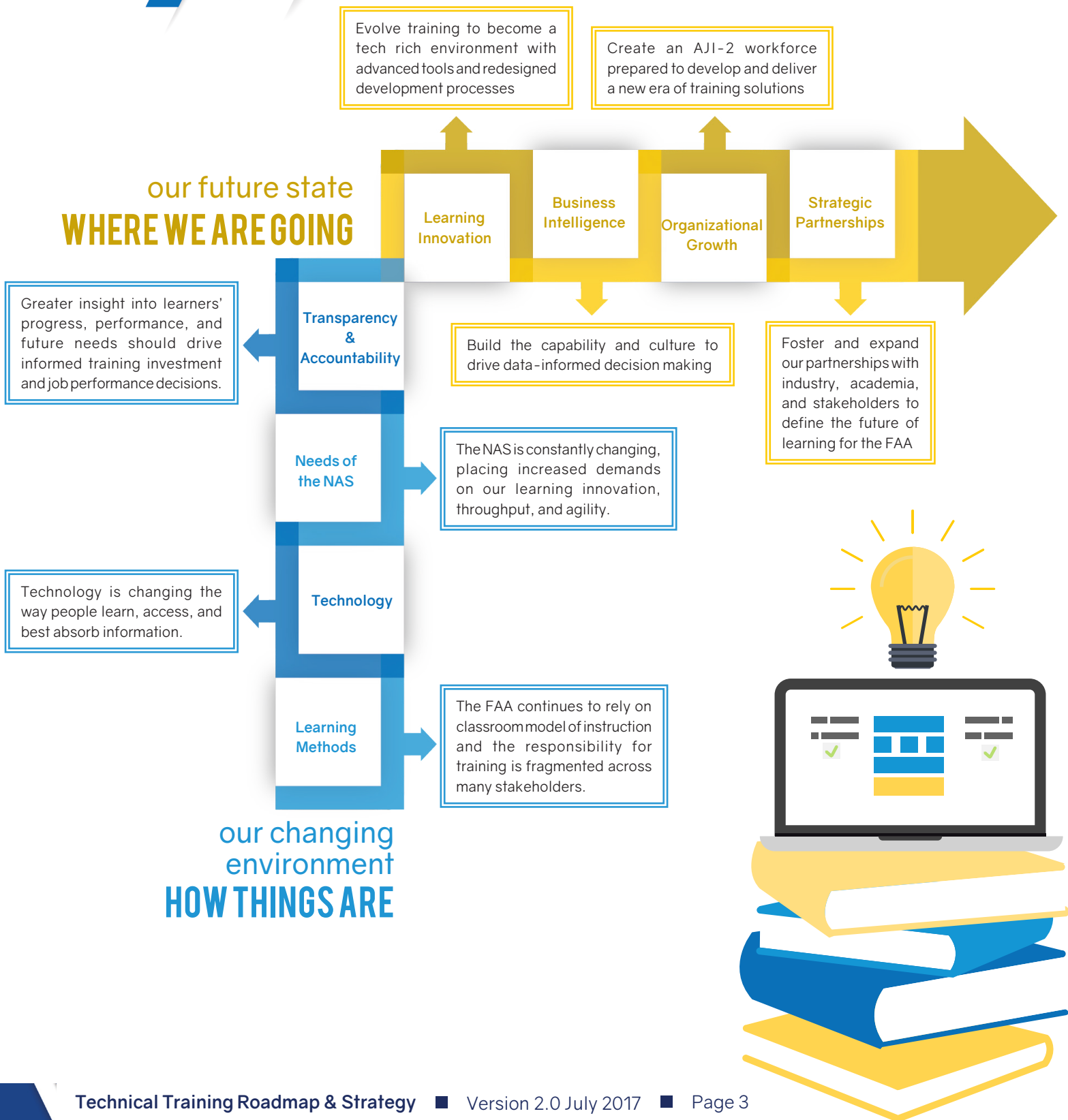
Knowledge and skill transfer to the right person, at the right time, in the right way, at the right place.



our principles WHAT GUIDES US

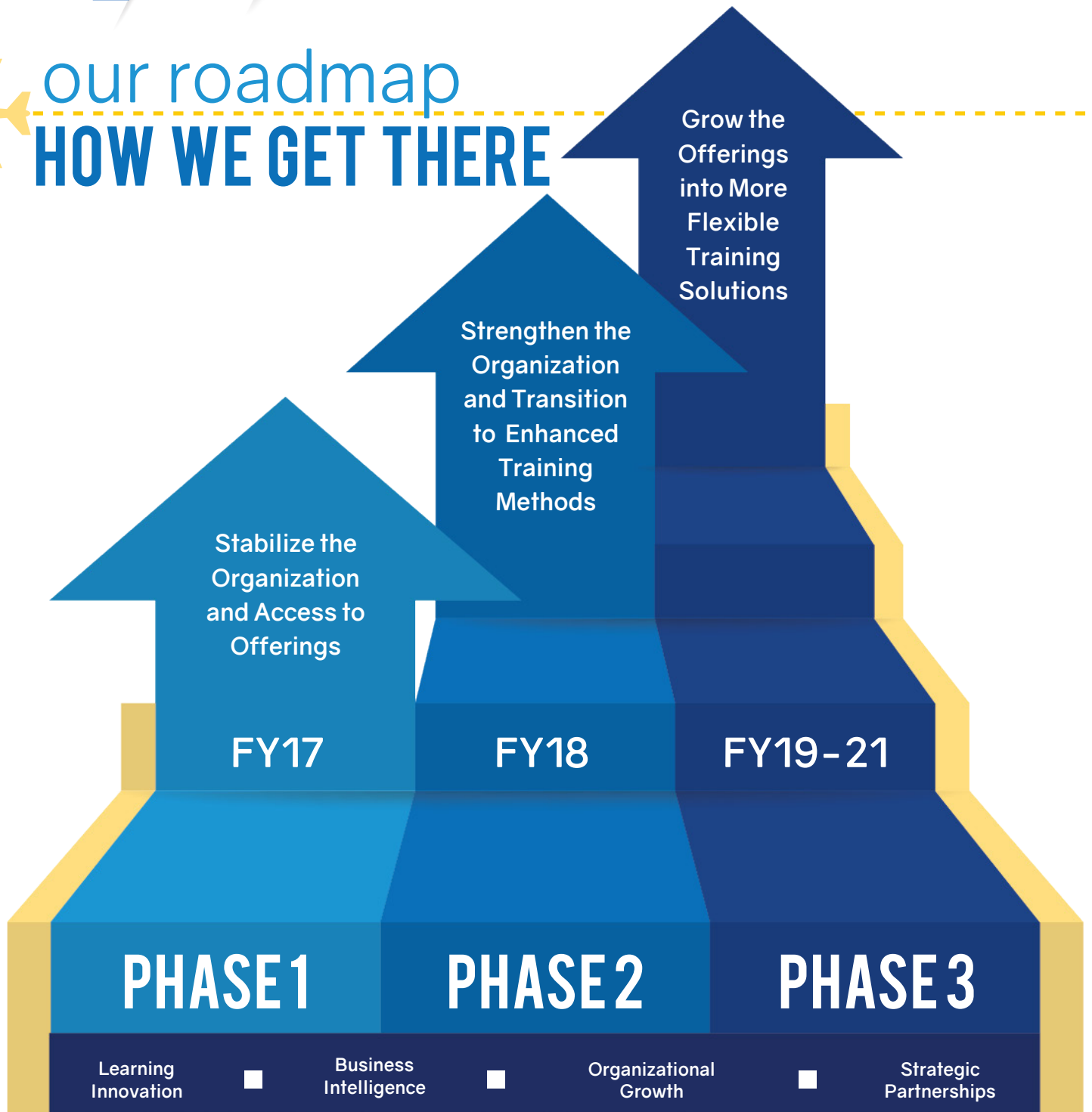
- > **Transparency:** We will make data driven choices openly with context, welcome feedback, and use every opportunity to keep information available.
- > **Collaboration:** We will work with our stakeholders to understand what they need from us and how we can develop and deliver valuable training that is retained.
- > **Iteration:** We will continually assess how effective our learning approach is so we can improve what we do and how we do it.

TODAY...ONWARD



PATH TO SUCCESS

our roadmap HOW WE GET THERE



STRATEGIC MEASURES



our mission WHY WE EXIST

Knowledge and skill transfer to the right person, at the right time, in the right way, at the right place.

Transition to Enhanced Training Methods

(Modular, Blended Learning)

Grow the Offerings into Flexible Training Solutions

(NexGen Learning, New Technologies)

Stabilize the Organization and Improve Access to Offerings

(Trusted, Listening Organization)

Mission Impact

- **Safety Incidents and Equipment Readiness:** Analyze data close to training
- **Time to Certification:** Measure how long it takes to certify

Transition and Grow the Offerings

- **Course Enhancements:** Track percent of courses that transition to other channels of delivery or add simulation capability

Stabilize the Organization and Improve Access to Offerings

- **Speed of Course Delivery:** Measure time from course development to launch
- **Project Health:** Track percent of projects meeting key milestones and targets
- **Course Effectiveness:** Survey learners and site directors on course timeliness, fit for need, and quality

PHASE 1 (FY17)

Stabilize the Organization and Access to Offerings

LEARNING INNOVATION

- > Develop the Enterprise Learning Model and roadmap for the evaluation and integration of training solutions
- > Develop the concept of operations for the integration of learning technologies into the training lifecycle
- > Develop implementation plan for integrating Safety Suite, TRAX and the National Training Database into the Comprehensive Electronic Data Analysis and Reporting (CEDAR) tool
- > Complete stand-up of a Learning Content Management System with enterprise capability
- > Develop prioritization methodology for migration of content and development into the Learning Content Management System
- > Develop the concept of operations for the improvement and upgrade of simulation platforms
- > Develop strategic plan for the operations and maintenance of Tower Simulation System
- > Implement solicitation and evaluation process for Controller Training Contract innovation projects

BUSINESS INTELLIGENCE

- > Conduct analysis of the Technical Operations Environmental curriculum for alignment of prerequisites, learning objectives, and content to produce recommendations on curriculum improvement
- > Create process to evaluate Technical Operations NAS Security and National Enterprise Operations (NEO) curriculum
- > Transform the Technical Operations Quota Management Processes
- > Begin risk-based management assessment on Technical Operations and Air Traffic curriculum to prioritize course conversions, updates, and cancellations
- > Support development of the Managers Training Dashboard

ORGANIZATIONAL GROWTH

- > Complete Technical Training (AJI-2) realignment
- > Identify and document roles and functions for Technical Training (AJI-2) managers and staff
- > Evaluate experience and knowledge required to achieve the strategic priorities, goals, and mission
- > Update AJI-2 training development standards and procedures to provide guidance for changes required by training transformation
- > Develop curriculum oversight process

STRATEGIC PARTNERSHIPS

- > Collaborate with strategic partners to develop the FAA Enterprise Learning Model to guide technology acquisition, training development, and delivery activities
- > Build relationships with key strategic partners through the Center of Excellence and Air Traffic Collegiate Training Initiative (AT-CTI) programs

PHASE 2 (FY18)

Strengthen the Organization and Transition to Enhanced Training Methods



LEARNING INNOVATION

- > Develop plan for the migration of training management capabilities into the Predictive Learning Analysis Network
- > Integrate the recommended Mitre learning technologies into the training lifecycle
- > Migrate and develop curriculum into the Learning Content Management System
- > Finalize integration of the Learning Content Management System with the Enterprise Learning Systems
- > Adjust the technology and simulation strategy to meet anticipated increases in space and Unnamed Aircraft System demands
- > Implement the upgrade to the simulation platforms

BUSINESS INTELLIGENCE

- > Continue refinement of the curriculum oversight, technology acquisition, and development processes
- > Continue assessment and management of the Technical Operations and Air Traffic curriculum course conversions, updates, and new courses
- > Enhance course metrics and analytics based upon the foundational process and standardization work of Phase 1

ORGANIZATIONAL GROWTH

- > Identify and begin acquisition of resources required to offer greater accessibility of our services and enhanced measures of service
- > Continue to acquire and align Technical Training resources to accomplish strategic priorities

STRATEGIC PARTNERSHIPS

- > Continue to build relationships with Center of Excellence partners, implement solutions, and identify future research requirements
- > Continue collaboration with strategic partners to develop the FAA Enterprise Learning Model to guide technology acquisition, training development, and delivery activities

PHASE 3 (FY19-21)

Grow the Offerings into More Flexible Training Solutions



LEARNING INNOVATION

- > Identify and begin acquisition of next version of technology and learning management resources to continue revolution of FAA training development and delivery capabilities
- > Execute full implementation of the Learning Content Management System as the foundation for the Enterprise Learning Model
- > Continue centralized migration of training databases into the Predictive Learning Analysis Network
- > Continue assessment and management of the Technical Operations and Air Traffic curriculum course conversions, updates, and new courses
- > Continue to monitor the execution of the technology and simulation strategies and make adjustments as required

BUSINESS INTELLIGENCE

- > Increase ability to monitor success and accelerate time to integrate new technologies into the Enterprise Learning Model
- > Refine course metrics and analytics to support anticipatory training development via reactionary development

ORGANIZATIONAL GROWTH

- > Continue the pursuit of process improvement and adjust the organization for effectiveness

STRATEGIC PARTNERSHIPS

- > Continue collaboration with strategic partners to monitor the FAA Enterprise Learning Model to guide technology acquisition, training development, and delivery activities
- > Continue to build relationships with COE partners, implement solutions, and identify future research requirements



QUESTIONS?

9-ATO-askAJI@faa.gov