
FAA Center of Excellence for
Technical Training and Human Performance

**YEAR 3 - CENTER OVERVIEW
AND HIGHLIGHTS**





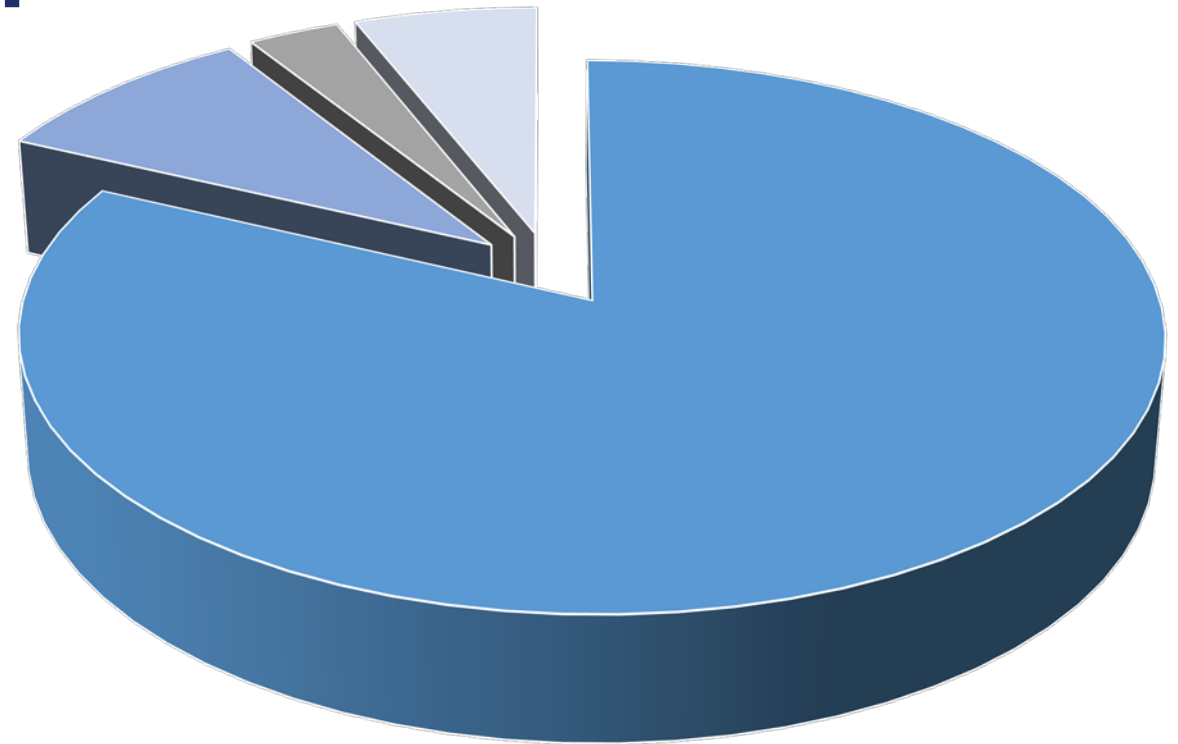
Year 3 - Overview

- Executive Committee expanded to include representatives from each core institution
- EC established working task forces and committees: Research Strategy, Fund Development and Partnerships, Outreach and Communications, and Student Engagement
- Research roadmap updated and aligned with FAA Reauthorization Act
- New funder added: FAA NextGen

At-A-Glance Metrics	Outcomes
# Core Institutions	16
# Research Grants	72 <i>awarded</i> 4 <i>new/pending</i>
# Principal/Co-Principal Investigators	50+
# Subject Matter Experts	100+
# Student Researchers	75+
# Industry Partners	45
# Affiliate Members	10

Current Funding - \$7.5M

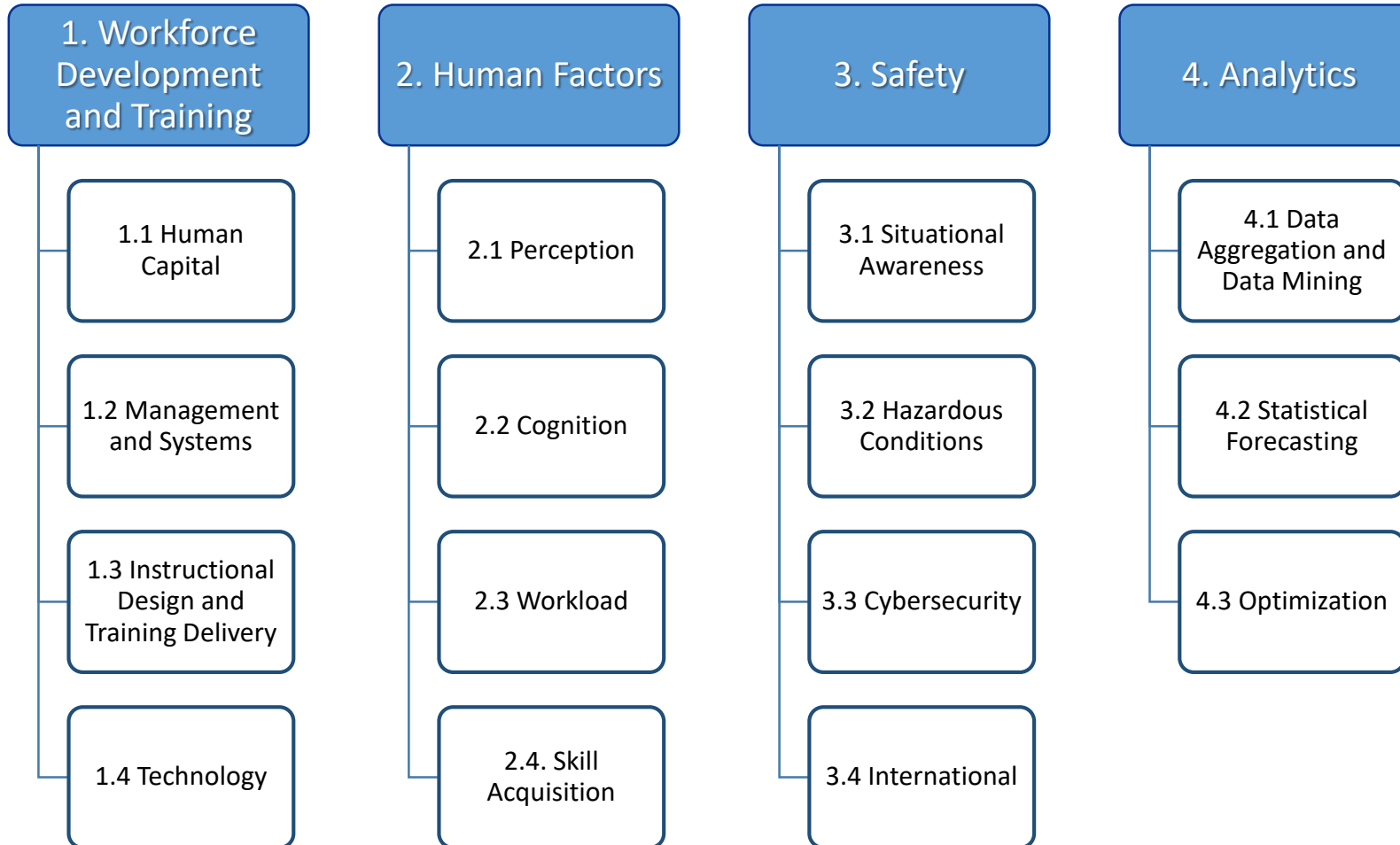
- FAA Air Traffic Organization, ~ \$6M
 - 27 projects (2016-2019)
- FAA Flight Program Operations, ~ \$700K
 - 6 projects (4 current (2017-2019), **3 pending**)
- FAA NextGen, ~ \$600K
 - 1 project (**1 pending**)
- FAA Flight Standards, ~ \$250K
 - 3 projects (2017-2019)



■ AJI-2 ■ ANG-C1 ■ AFB-500 ■ AJW-3

Per Public Law 101-508: The federal share shall be 50% of the costs of conducting research activities.

Phase I (Years 3-5) Research Roadmap



Research recommendations and prototype technology of the Center benefit the following:

- FAA Academy Trainees
- FAA Field Site Trainees
- Air Traffic Controllers
- Technical Operators
- Safety Inspectors
- Pilots
- Aircraft Mechanics
- UAS Operators

Industry Partners

Welcome to our new Industry Partners – ATA LLC, Full Stack Data Science, Choctaw Nation of Oklahoma, Rigil Corporation, Serco, and Stinson Associates LLC...

- 1st American Systems and Service
- Adacel
- Addx Corporation
- **American Airlines – IAB, Chair**
- ATA LLC, Full Stack Data Science
- ATAC
- AVT Simulation
- Blackboard
- **C² Technologies - IAB**
- Chickasaw Nation Industries
- Choctaw Nation of Oklahoma
- Christiansen Aviation
- CI² Aviation
- **Computer System Designers - IAB**
- CSSI
- Crew Training International
- Delta Air Lines
- Florida NextGen Test Bed
- **Eduworks Corporation - IAB**
- Frasca International, Inc.
- General Dynamics IT
- Hucon Global
- Instructure, Inc. & Canvas Network
- Infina, Ltd.
- **JMA Solutions - IAB**
- **KeyBridge Technologies - IAB**
- Leidos
- Metacraft
- Northrop Grumman
- Orion America Technologies
- Pilot Training System
- Rigil Corporation
- Robinson Aviation
- RTSync
- SAIC
- Serco
- SkySoft ATM
- Skymantics LLC
- Stinson Associates LLC
- TetraTech
- TransLumen Technologies
- UFA, Inc
- **Veracity Engineering - IAB**
- Volpe Center
- **The Washington Consulting Group – IAB, Co-Chair**

Center Alignment with FAA Reauthorization Act

- Subtitle A, Youth in Aviation
 - Facilitate and encourage HS students in the United States (junior year +) to enroll in and complete career and technical education courses, including STEM, that would prepare them to enroll in a course of study related to an aviation career at an institution of higher education, including a community college or trade school
- Subtitle B, Women in Aviation
 - Promote organizations and programs that are providing education, training, mentorship, outreach, and recruitment of women into the aviation industry
- Subtitle C, Future of Aviation Workforce
 - Program to provide grants for eligible projects to support the education of future aircraft pilots and the development of the aircraft pilot workforce
 - Program to provide grants for eligible projects to support the education and recruitment of aviation maintenance technical workers and the development of the aviation maintenance workforce
- **Subtitle D, Unmanned Aircraft Systems Workforce** *(FAA UAS OFFICE, New COE TTHP Sponsor)*
 - **Establish a process to designate consortia from two-year colleges and vocational schools that have the capacity to train students for career opportunities in industry and government service related to the use of small unmanned aircraft systems**