

# TASK # CMD003. RESEARCH AN ALTERNATIVE INSTRUCTIONAL DESIGN MODEL

## PROJECT AT-A-GLANCE

- UNIVERSITY: Embry-Riddle Aeronautical University
- PRINCIPAL INVESTIGATORS: Dr. Steven Hampton, Jan Neal
- STUDENT: Lusine Carlsson
- INDUSTRY PARTNERS: JMA, ADDX

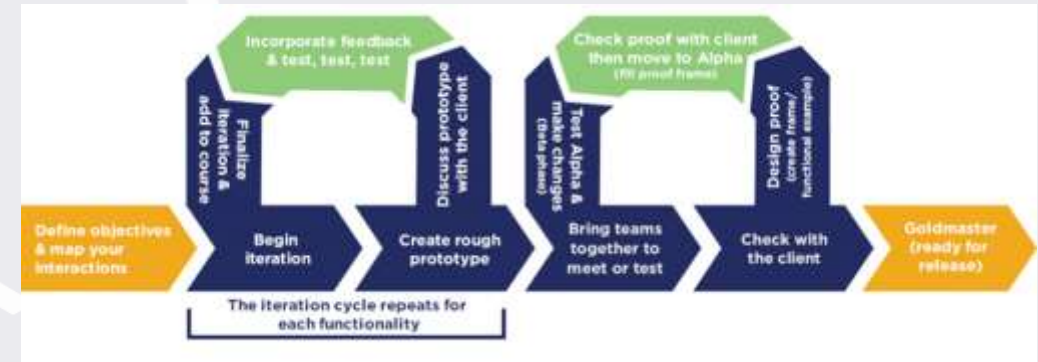
## RELEVANCE TO TECHNICAL TRAINING AND HUMAN PERFORMANCE

- The project team is tasked with the identification of best ISD practices and providing recommendations to the ATO on improving the instructional development (ID) processes for education and training for air traffic controllers and technicians.

## STATEMENT OF WORK

- The researchers are examining best practice literature from both government and industry, analyzing available FAA course materials and data, and interviewing instructional design leads from AJI-2000 and from the Academy.
- To inform future ISD practices at the AJI-2100 to increase productivity of the development of instruction for both the ATC and Technical Operations workforces.

Agile learning design (ALD) flowchart. From *What is Agile learning design?* by J. Huhn, 2013. Copyright 2013 by Bottom-Line Performance.



## STATUS

- Review of current FAA Practices complete
  - Survey complete
  - Interviews Complete
- Literature review in process
- Initial draft report complete

## FUTURE WORK

- Finalize literature review of best industry/government practices
- Draft recommendations based on results of discovery and established best practices
- Complete final report

# Publications, Presentations & Awards

- **Publications:**

Steven Hampton, Dothang Truong, Ken Byrnes, and Troy Techau, Pilot Training Metrics at a Part 141 University Training Program, 17th AIAA Aviation Technology, Integration, and Operations Conference, Denver, Colorado, 5-9<sup>th</sup> June, 2017.

- **Presentations:**

Steven Hampton, Dothang Truong, Ken Byrnes, and Troy Techau, Pilot Training Metrics at a Part 141 University Training Program, 17th AIAA Aviation Technology, Integration, and Operations Conference, Denver, Colorado, 5<sup>th</sup> June, 2017

- **Awards:**