

# TASK # CMD001. BEST PRACTICES AND METHODS FOR VIRTUAL TRAINING DELIVERY

## PROJECT AT-A-GLANCE

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## RELEVANCE TO TECHNICAL TRAINING AND HUMAN PERFORMANCE

- FAA training delivery methods such as instructor led courses, and PowerPoint with no accompanying assessment, have not kept pace with advances in simulation technologies. Air traffic volume and complexity have steadily increased, along with the potential for massive retirement of controllers, necessitating innovative technologies and methodologies.

## STATEMENT OF WORK

- A virtual training delivery methodology, associated maintenance processes, infrastructure requirements
- A high-level overview of the virtual training practices and methods
- Recommendations for changes to the training process
- Potential impact on training for both current and future training delivery systems, such as ATC basics and Initial Tower Cab Training
- Study all training courses provided by different organizations
- Conduct surveys and face-to-face interviews to examine the current controller's training experience and expectation
- Collaborate with industry partners and consultants to determine the changes and the potential impact

## Outline of Virtual Training Delivery



## STATUS

- FY17-18 Design Phase: research the background, define the problems, and offer the best practices and methods for virtual training delivery

## FUTURE WORK

- FY18-19 Development Phase: Develop FAA courses as a pilot study based on the findings and the recommendations
- FY20-21 Implementation Phase: Implement virtual training courses, assess the results, and apply the virtual training to other courses

# Publications, Presentations & Awards

- Publications: N/A
- Presentations: presentations at FAA quarterly meetings
- Awards: N/A