

# TASK # CMD004-05. COURSE DEVELOPMENT

## PROJECT AT-A-GLANCE

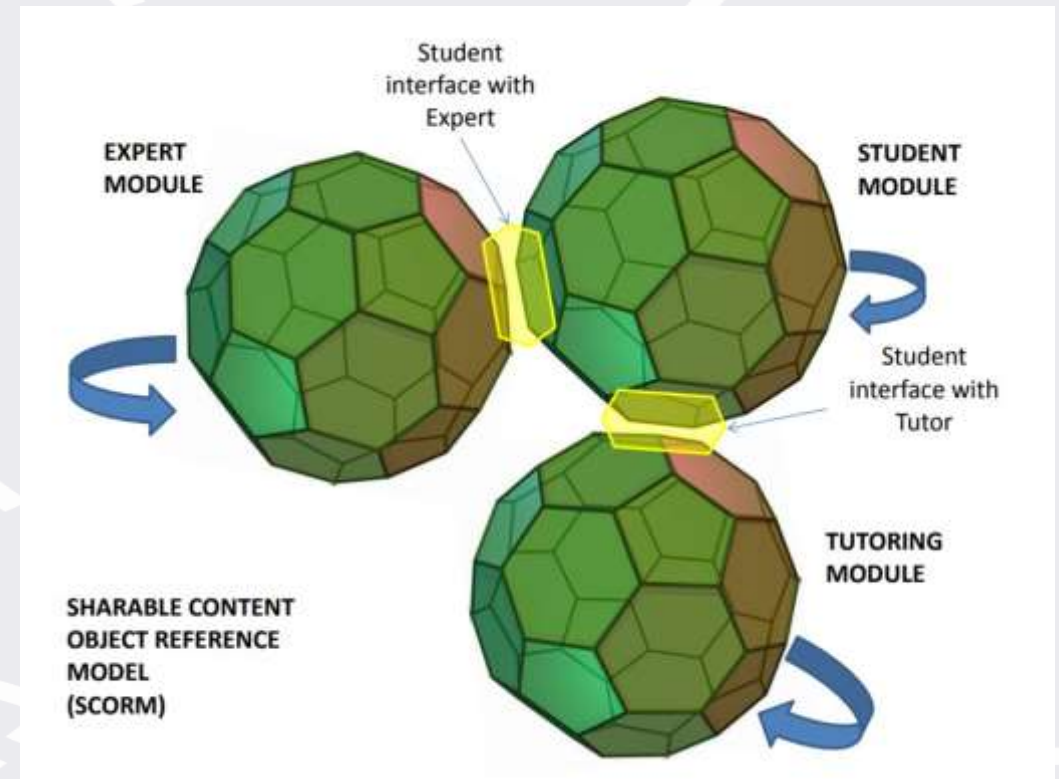
- UNIVERSITY: Oklahoma State University, University of Oklahoma
- PRINCIPAL INVESTIGATORS: Dr. Todd Hubbard (OU), Dr. Matt Vance (OKSU)
- INDUSTRY PARTNER: Computer Systems Designers

## RELEVANCE TO TECHNICAL TRAINING AND HUMAN PERFORMANCE

- In this project, we will provide alternative course development strategies that will enhance learning in light of NextGen requirements.

## STATEMENT OF WORK

- Any progress in meeting the needs of NextGen learners will be made by using an integration of Design Research and the Instructional Systems Design process. The project will consist of 8 tasks:
  - Examine current course development protocols.
  - Examine current use of eLMS for course development.
  - Create standardized ISD protocol for all future course development that is NextGen compatible.
  - Create a Design Research protocol for an existing course that requires the use of educational technology.
  - Combine Design Research and ISD methods to create hybrid learning modules in the eLMS (Blackboard).
  - Write a desk manual on course development, using best practices for both Design Research and ISD methods, as they are combined in the development of courses for NextGen.
  - Determine if desk manual is adequate to ensure consistency across all courses, regardless of contractor.
  - Complete report.



## STATUS

- Literature review in Augmented Reality underway
- Literature review in SCORM compliant eLMS underway
- Literature review on Tin Can xAPI development underway
- Initial project briefing report complete and shared with FAA
- Collaboration with *Research Alternative ISD Model* project underway

## FUTURE WORK

- Use *Research Alternative ISD Model* project concepts to create new course
- Analyze if new course meets requirements
- Complete recommendations report for FAA
- Final project closeout

