

TASK # AN001. LEARNER DATA MANAGEMENT

COURSE MAPPING MATRIX

PROJECT AT-A-GLANCE

- UNIVERSITY: University of Oklahoma
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RELEVANCE TO TECHNICAL TRAINING AND HUMAN PERFORMANCE

- We are examining the record keeping of FAA training materials. The goal is to create a system that allows the analysis of records and results.

STATEMENT OF WORK

- This project will focus on the application of twenty-first century text analytics, knowledge extraction, and machine learning techniques to integrate data from existing FAA databases and transform it into useable information for more efficient and effective management of Aviation Safety
- The goal of this project is to empower FAA management with data-driven insights into connections between training and performance, reduce the data management burden, and improve technical training and human
- To accomplish this goal we will create a prototype system for an intelligent data enclave that integrates existing FAA data sources, accommodates new data sources as they are developed, allows appropriate access to data by a wide variety of system users, and incorporates flexible analytics that produce insights into the data to encourage data-driven decision making.
- The intelligent data enclave thus will provide an ecosystem for secure data management and knowledge extraction, as well as a flexible and adaptable interface for future use.

Course	Description	File	Evaluation
12001 V. 2018-21	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests	65182.pdf 65183.pdf 65184.pdf 65185.pdf 65186.pdf	End of Course Test End of Course Test End of Course Test
12001			
12002 V. 2018-01	Course Documentation/Analysis Doc/Assessment/Pre-Work/Section Block Tests ET/Block/Pre-1-2018.doc ET/Block/Pre-1-2018.doc	ET/Block/Pre-1-2018.doc ET/Block/Pre-1-2018.doc	Block 1 Test Block 1 Test
12002	Course Documentation/COG	COG_12002_V_2018-01.pdf	Assessment Strategy Page 41
12002	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests	65187.pdf 65188.pdf	End of Course Test Block 1 Test
12002	Course Documentation/COG	COG_12002-Section_1-2018-01.doc	Assessment Strategy Page 41
12002 V. 2018-10	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests/ET Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests/ET Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests/ET	65189-65192.pdf 65193-65194.pdf 65195-65196.pdf	ATB/Competencies Exam Block Test
12002 V. 2018-09	Instructional Materials/Tests/ET/ET Instructional Materials/Tests/ET/ET Instructional Materials/Tests/ET/ET	65197-65198.pdf 65199-65200.pdf 65201-65202.pdf	End of Course Test Assessment Strategy Page 51 Performance Test
12002	Instructional Materials/Tests	65203-65204.pdf	Performance Assessment
12002	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests	65205-65206.pdf	End of Course Test
12002 V. 2018-08	Course Documentation/COG	COG_12002-V_2018-08.pdf	Assessment Strategy Page 51
12002 V. 2018-03	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests	65207-65210.pdf 65211-65214.pdf 65215-65218.pdf	End of Course Test End of Course Test End of Course Test
12002 V. 2018-08	Course Documentation/COG	COG_12002-V_2018-08.pdf	Assessment Strategy Page 51
12002	Course Documentation/COG	COG_12002-V_2018-08.pdf	Assessment Strategy Page 51
12002	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests	65219-65222.pdf 65223-65226.pdf 65227-65230.pdf	End of Course Test End of Course Test End of Course Test
12002 V. 2018-11	Course Documentation/COG	COG_12002-V_2018-11.pdf	Assessment Strategy Page 51
12002 V. 2018-11	Instructional Materials/Prerequisite File/Prerequisite Strategy/Tests	65231-65234.pdf 65235-65238.pdf 65239-65242.pdf 65243-65246.pdf	Performance Test Performance Test Performance Test

STATUS

- Learner data flow framework complete
- Course mapping complete
- Software for identification and extraction of questions answers of tests complete
- Summary of learner management technologies complete
- Summary of course contents underway

FUTURE WORK

- Identify pain points and gaps of information sharing between CEDAR (NTD), and the Academy.
- Inclusion of additional FAA stakeholders in research and needs analysis discussions.