TECHNOLOGY
NEEDS ASSESSMENT APPLICATION

Technology: Programs should list the technology needed to provide ongoing service or instruction, and an approximate cost of the request. Requests for one-time programmatic equipment should be listed in the appropriate category above. *Technology that is listed in this category will be forwarded to Campus Technology Services to evaluate through their own processes.*

Name of Person Submitting Request:	**Kevin Kammer**
Program or Service Area:	**Aeronautics**
Division:	**Applied Technology Transportation & Culinary Arts**
Date of Last Program Efficacy:	**2011**
What rating was given?	**Continuation**
Amount Requested:	**$7200.00**
Strategic Initiatives Addressed:	**Technological Advancement**

1. What technology equipment are you requesting?

Add computers (6) to the Aero laboratory for student access in a digital format to FAA approved maintenance, service, parts catalogs, and other digital information (textbooks, service bulletins, advisory data) that is currently in use in the industry in this format and application. Install a large capacity hard drive and server to contain and distribute the data

2. Indicate how the content of the latest Program Efficacy Report and/or most current EIS data support this request. How is the request tied to program planning? *(Reference the page number(s) where the information can be found on Program Efficacy.)*

Page 16, Aeronautics Program Review Document 2011-2012
A continuing trend for the industry is moving toward more computer controlled Powerplant and Aerospace vehicle systems. New aircraft that are in production have technology that has outpaced the current educational levels of today's workforce. Graduates of our programs need new advanced CBT systems to ensure adequate training for our technicians. Planning to address this will entail our students are knowledgeable on basic computer skills and computer diagnostic skills. Continued addition of computer usage in the classroom and laboratory environments will ensure our students are qualified to enter the industry workforce.

3. Indicate if there is additional information you wish the committee to consider *(for example: regulatory information, compliance, updated efficiency and/or student success data or planning etc).*

Page 17, Aeronautics Program Review Document 2011-2012
Unfortunately there have been continuing developments in aircraft structures, avionics, control, and troubleshooting systems. This requires more planning and development of strategies to not just keep up, but stay ahead of what the industry needs in regards to training, knowledge, and skill levels, for new employees entering the workforce.

4. Evaluation of initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources. (for example Department Budget, VTEA or Perkins)

Initial cost can be decreased substantially by the district / campus information technology

department by utilizing the purchasing power of the institution with known vendors. Very little will be needed for additional cost of maintaining the system. We already have a large amount of the software for installation on a computer system. Additional software that encompasses new technology can be procured through the standard campus process as it becomes available.

5.   What are the consequences of not funding this equipment?

The department will be unable to keep relevant technology capabilities available to the students in a learning environment. Students may be ill prepared to compete in the workplace with better prepared applicants.