



Request for Proposal Part 147 Curriculum Development

About Choose Aerospace

Choose Aerospace is a partnership of stakeholders within professional aviation and aerospace industries, joined together to address one of the biggest threats to continued industry growth: the availability of a diverse, qualified technical workforce. In partnership with the [Aviation Technician Education Council](#) (ATEC), the organization unites companies, associations, labor unions, and educational institutions to spur interest in aerospace careers and identify and implement solutions to workforce development challenges.

Project Overview

A primary objective for Choose Aerospace is to make aerospace career and technical training a priority in secondary schools and to provide multiple career paths to success within the industry. As part of that goal, the organization seeks to create opportunity for underprivileged or underserved students to explore the range of aerospace careers available and extend resources and programming to youth as they begin to imagine a professional future.

To that end, the organization is pursuing partners to support development of standardized aviation technical curriculum that will:

- Provide high-tech and relevant resources for Federal Aviation Administration (FAA) aviation maintenance technician schools (AMTS) certificated under Title 14 Code of Federal Regulations (CFR) part 147 to incorporate in their current programs
- Propagate high school pathway programs through mass acceptance of curriculum completion for AMTS credit
- Expand student career pathways through development of progressive “stackable credentials,” building from a single learning unit (e.g., sheet metal) that provides immediate employment prospects and opportunities to work towards additional professional goals including mechanic certification
- Support online delivery of hands-on, manipulative content to increase student exposure and accessibility



Choose Aerospace seeks grant opportunities—in partnership with chosen vendors—to fund its initiatives. The implementation of this project is therefore dependent on the ability to obtain necessary funding. Through this request for proposal, Choose Aerospace will identify potential partners that will assist with the development of the standard curriculum.

Specifications

The content shall convey the knowledge and skill required to obtain FAA mechanic certification under Title 14 CFR part 65, as provided for in Mechanic Airman Certification Standards (ACS).¹ As such, all content must directly tie to a knowledge, risk management, or skill element in the ACS, as identified by an ACS code. Partners will work with Choose Aerospace-supplied subject matter experts to group tasks according to projects and/or courses as needed.

Content may be provided in various medias, to include:

- Tools used in a traditional classroom, such as presentations, labs, lesson plans, and videos
- Computer-based systems that would allow for delivery of information in an interactive and remote format
- Fully immersive virtual reality systems that replicate real-world working environments, simulate tasks that require development of manipulative skills, and expose students to aircraft and equipment not otherwise available to schools

End users of the standard curriculum will include:

- FAA part 147 AMTS
- Secondary programs that want to create and develop aviation maintenance pathway programs
- Industry training programs (i.e., commercial airlines, labor unions, etc.)

¹ for more information and the latest draft version of the FAA ACS, visit <https://www.atec-amt.org/airman-certification-standards.html>



Special considerations will be made for content that:

- Is made reasonably available to schools (i.e., economical and practical)
- Requires minimal equipment purchases
- Provides a flexible licensing structure that takes into consideration educational vs. commercial use
- Is modular (i.e., can be separated into independent units such that schools can utilize one aspect of the content independent of the rest)
- Can be cross-utilized, at least in part, as a career awareness tool (i.e., portions or segments could be made available to secondary education as a means to educate students and educators on career opportunities)
- Can be presented in a way that illustrates the collaborative nature of the project (i.e., access point for content aptly organized and available through a single repository, such as the Choose Aerospace website)

Information Requested

Vendors interested in working on the project with Choose Aerospace should submit a narrative explaining how its product will meet the specifications outline above. The narrative should include:

1. A brief description of the organization, experience it has with developing aviation or technical-related educational content, and a list of customer references. Include suggestions for obtaining and facilitating industry feedback for incorporation into the final product.
2. A description of the content that your organization could develop, including a list of ACS codes your content could (and could not) cover.
3. Estimated cost and timeline for developing the content described above. Include estimates for any required equipment purchases, professional development, additional personnel, travel, supplies, etc.
4. A description of how the content will be updated and modernized moving forward, as the ACS is revised. Include the estimated costs for updates to the content and how the costs will be structured and determined.



5. An explanation of how the content would be distributed to the end user and where the content would reside (e.g., cloud-based, server-based), and whether internet access will be required for delivery.
6. Discussion of intellectual property rights for the content, terms for selling or licensing those rights, and the terms under which the content would ultimately be made available to end users.
7. For proposals that include an intellectual property licensing methodology, a description of to whom the license would be available (e.g., individuals vs. organizations), estimated licensing fees, and whether pricing differentials would be made available (e.g., for educational vs. commercial use).
8. Verification of the organization's willingness to enter into a partnership agreement whereby Choose Aerospace assists with the curriculum development, implementation, and marketing in exchange for (as applicable) licensing discounts to ATEC members and royalty fees payable to Choose Aerospace in furtherance of its not-for-profit purpose.
9. A description of any experience the organization has with grant writing and a confirmation of its willingness to partner with Choose Aerospace to obtain the necessary funding in furtherance of the project objective. Describe any specific funding opportunities the organization would pursue for this particular project.

Vendor Selection

One or more vendors may be selected with the goal of combining various content into a curriculum package that addresses every knowledge, skill, and risk management element included in the Mechanic ACS. Partners will be chosen based on their ability to meet specifications outlined above and responses to the request for additional information.

Proposals are due June 22 to Crystal Maguire at crystal.maguire@atec-amt.org.