

Requirement ID: 220

Special Category: FAA requirement

Sponsor Organization: AFS

Sponsor POC: Bill O'Brien

Keywords: accident investigation

Title: Review Amateur-Built Aircraft Accident/Incidents

Research Statement:

Determine the causal factors surrounding the high accident and incident rate for amateur-built aircraft per 100,000 hours of operation. Review for the past 10 years NTSB and FAA accident/incident data to determine top five factors that cause accidents and the top five factors that cause incidents. For example, to determine if poor manufacturing techniques and practices are a major causal factors in building amateur-built aircraft. Or if poor flight testing techniques is a causal factor.

Background:

NTSB data and special reports such as the John Denver accident list causal factors and probable cause. The purpose of this research is to collate and identify factors in at least the following areas. Human Factors, Construction, Operation, Maintenance and Other Factors that cause accidents. This research should be compared against similar General Aviation accident and incidents. The report should summarize the causal factors, findings and make recommendations to improve safety.

Output:

Research report and documentation will be used to create an Advisory Circular or Safety related training on CD or video to be used by the FAA Safety Program.

Regulatory Link:

Information will be helpful to develop tools to reduce amateur-built aircraft accidents and incidences and development of guidance material for the new sport pilot NPRM FAA Docket – 20001-11133 Notice No 02-03).

Estimated funding profile: