

Requirement ID: 780

Sponsor Organization: AFS

POC: Les Vipond

Requirement Title: Root Cause Analysis of Rule Violations by AMT's

Funded Requirement:

- FY02: No
- FY03: No
- FY04: No
- FY05: No

Requirement Statement: The FAA enforcement action data for the first three quarters of 1999 shows that 79 certificate actions resulted in approximately \$2.25M of fines due to maintenance violations. Such certificate actions are usually initiated by a letter of investigation (LOI) issued to the mechanic responsible for the maintenance action that potentially impact the airworthiness of the aircraft being maintained which could lead to an incident or accident. From that point forward, substantial resources from the FAA and the industry are spent in these investigations. The research focuses on the causal factors for alleged rule violations by AMTs. Such analysis is expected to identify individual and organizational factors that lead to incidents or accidents in the future. This is a proactive approach to identify root causes or latent systemic failures early enough so that serious mishaps are avoided. By focusing on the rule violations, the most significant root causes are addressed, making change implementation more safety oriented and cost effective.1043

Background: Detailed analysis of the individual and organizational factors contributing toward rule violations by AMTs. The mapping of root causes of these violations will provide the FAA and airlines with specific target areas for improvement. Product: Identification of the most significant factors that are responsible for rule violations. Develop appropriate guidelines that will manage and mitigate these factors and reduce the instances of rule violations. Driver: FAA AFS Enforcement (E.I.R.)/FAA National Aging Aircraft Program Plan Deliverable

Output:

Regulatory Link: