

Requirement ID: 782

Sponsor Organization: AFS

POC: Les Vipond

Requirement Title: Evaluation of Aviation Maintenance Working Environments, Fatigue and Maintenance Errors/Accidents

Funded Requirement:

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

Requirement Statement: Few regulations govern the working environments of aviation maintenance personnel. Unlike the uniformity of the cockpit environments, aviation maintenance workers perform their tasks in a wide variety of environmental conditions. Some of these conditions have been found to accelerate the onset of fatigue, decrease job performance, and increases human error and the risk to aviation safety. Profile AMT task environments and model data to predict conditions that are related to aviation maintenance errors.509

Background: Develop methods and guidelines that can be used to reduce fatigue producing factors in the aviation maintenance environment that will reduce maintenance errors/accidents and increase maintenance safety. Product: Fatigue profile model related to risk management of aviation maintenance errors. Driver: NTSB recommendation A-97-71/Petition for rulemaking/GAO report/Intermodal/AOA Performance Plan G-101.f/AVR Performance Plan (2000)/FAA National Aging Aircraft Program Plan Deliverable: Report and regulatory guidelines (Audit)

Output:

Regulatory Link: