

HUMAN FACTORS FOR AVIATION MAINTENANCE

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Air travel is considered one of the safest means of transportation in the world today, yet every now and again an accident that shakes our complacency occurs. All too often, as we look at the accident cause, we say, *"How could such simple errors have combined to cause such a catastrophe?"*

Review of aircraft accidents reveal that a series of events were repeatedly allowed to develop well before the actual accident. If maintenance technicians, supervisors, and managers can break that "chain-of-events", accident occurrences become less likely.

The purpose of this course is to help the front-line technician and floor supervisor develop ways to recognize potential "contributing links" of an accident and develop individual "safety nets" to prevent maintenance errors. The ultimate aim of the course is to increase safety awareness, reduce maintenance induced errors, and ultimately increase business profitability



OTHER AVAILABLE COURSES:

- Repair Station Part 145(24 hours)
- OSHA / EPA for Aviation Maintenance(16 hours)
- Maintenance Resource Management(16 hours)

CURRICULUM (16 hours)

SUBJECT	HOURS
DAY 1	8
Introduction to Human Factors History	
Human Error	
Introduction to the "Dirty Dozen"	
Case Study: Embraer 120	
Teamwork	
Communication	
Shift Change Exercise	
Assertiveness	
Case study: McDonald Douglas 369	
DAY 2	8
Fatigue	
Stress	
Distraction	
Case Study: Human Factors In Aircraft Maintenance	
Lack of Awareness	
Lack of Knowledge	
Lack of Resources	
Case study: Fokker F-28	
Pressure	
Norms	
Complacency	
Case study: Boeing 737	
Conclusion	
TOTAL	16

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