

ASCI 202  
Introduction to Aeronautical Science

**Special Issues Related to the Aircraft Maintenance Community**

- 1) 3rd Party Relationships
  - 2) Aftermarket Support Organizations
  - 3) Aged Aircraft
  - 4) Airline Outsourcing
  - 5) Alaska Airlines Flight 261
  - 6) Aloha Airlines Flight 243
  - 7) Alternative Fuels and Energy
  - 8) American Airlines Flight 191
  - 9) ATA MSG-3
  - 10) Avionics
  - 11) British Airways Flight 5390
  - 12) Built-In Test Capability
  - 13) Complacency
  - 14) Continental Express Flight 2574
  - 15) Continuous Airworthiness Maintenance Programs
  - 16) Designated Airworthiness Representative (DAR)
  - 17) FAA Maintenance Inspection Team
  - 18) Fatigue and Wear
  - 19) Foreign Object Damage
  - 20) Green Aviation
  - 21) Historical Data Trend Analysis
  - 22) Leadership/Discipline/Control
  - 23) Lean & Six Sigma
  - 24) Lean Maintenance
  - 25) Legacy Maintenance Systems
  - 26) Lifecycle Cost Management
  - 27) Logistics and Distribution
  - 28) Maintenance Operating Costs
  - 29) Man-Hour Standards
  - 30) Manuals and Documentation
  - 31) Military MRO Market
  - 32) Non-Warranty Aircraft Fleet
  - 33) Operational Metrics
  - 34) Outsourced vs. Insourced
  - 35) Oversight
  - 36) Overtime Levels
  - 37) Performance Oriented Contracts
  - 38) PMA Parts
  - 39) Quality Assurance
  - 40) Real-Time Condition Monitoring
  - 41) Repair Assessment Program (RAP)
  - 42) Service Difficulty Program
  - 43) Shift Structure
  - 44) Substandard and Bogus Spare Parts
  - 45) Supply Chain & Logistics
  - 46) Swissair Flight 111
  - 47) Terrorism Vulnerability
  - 48) Tool Control
  - 49) Turnaround Time for Checks
  - 50) TWA Flight 800
  - 51) Unions
  - 52) United Airlines Flight 232
  - 53) United Airlines Flight 811
  - 54) USAir Flight 427
  - 55) ValuJet Flight 592
  - 56) VLJs
  - 57) Workforce Development Overtime and Shift Premium
  - 58) Workplace Culture etc...
- (This is not a complete list.)*

