

The following is a list of human factors documents core to the AIR Human Factors Specialists. This list would be a good starting place for anyone interested learning more about human factors and pilot interface issues and policy in Aircraft Certification.

Core documents directly related to Human Factors:

- 1) FAA Notice 8110.98 Addressing Human Factors/Pilot Interface Issues of Complex, Integrated Avionics as Part of the TSO Process
- 2) Public Statement Number PS-ACE100-2001-004 on Guidance for Reviewing Certification Plans to Address Human Factors for Certification of Part 23 Small Airplanes
- 3) Policy Statement No. ANM-99-2, Guidance for Reviewing Certification Plans to Address Human Factors for Certification of Transport Airplane Flight Decks.
- 4) Policy Statement No. ANM-01-03, Factors to Consider When Reviewing an Applicant's Proposed Human Factors Methods for Compliance for Flight Deck Certification.
- 5) Federal Aviation Administration Human Factors Team Report on: The Interfaces Between Flight Crews and Modern Flight Deck Systems

Other core FAA documents:

- 6) Description of the FAA Avionics Certification Process (James H. Williams paper)
- 7) AC 23.1311-1, Installation of Electronic Displays in Part 23 Airplanes.
- 8) AC 25-11, Transport Category Airplane Electronic Display Systems.
- 9) AC 25.1523-1, Minimum Flightcrew.
- 10) Order 8150.1B, Technical Standard Order Program.
- 11) AC 27-1, Certification of Normal Category Rotorcraft.
- 12) AC 29-2, Certification of Transport Category Rotorcraft.
- 13) AC 120-76A, Guidelines for the Certification, Airworthiness, and Operational Approval of Electronic Flight Bag Computing Devices (required for Kaliardos)
- 14) TSO-C153, Integrated Modular Avionics Hardware Elements. (required for Gallaway)
- 15) AC 20-145 Guidance for Integrated Modular Avionics (IMA) that Implement TSO-C153 Authorized Hardware Elements (required for Gallaway)
- 16) AC 25.1309-1, System Design Analysis.
- 17) AC 23.1309-1, Equipment, Systems, and Installations in Part 23 Airplanes.

Other:

- 18) RTCA/DO-257, Minimum Operational Performance Standards for the Depiction of Navigation Information on Electronic Maps.
- 19) "Guidelines for the Design of GPS and Loran Receiver Controls and Displays," Technical Report DO/FAA/RD-95/1, March 1995.
- 20) "Human Factors for Flight Deck Certification Personnel," Technical Report DOT/FAA/RD-93/5, July 1993. Copies of document #18 & #19 may be ordered from the National Technical Information Service (<http://www.ntis.gov/>).