

The following information expands upon InFO 10002.

Information for Operators (InFOs) are posted at:

http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/InFO/

Industry Best Practices Reference List

Operations and Procedures (including Takeoff & Landing operations)

- Advisory Circular 90-42. *Traffic Advisory practices at airports without operating control towers.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23088
- Advisory Circular 90-48. *Pilots' Role in Collision Avoidance.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23090
- Advisory Circular 90-66. *Recommended standard traffic patterns and practices for aeronautical operations at airports without operating control towers.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23093
- Advisory Circular 91-6. *Water, Slush, and Snow on the Runway.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23145
- Advisory Circular 91-74. *Pilot Guide: Flight in Icing Conditions.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/74471
- Advisory Circular 91-79. *Runway Overrun Prevention.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23145 http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/73552
- Advisory Circular 120-66. *Aviation Safety Action Program (ASAP).* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23207
- Advisory Circular 120-71. *Standard Operating Procedures for Flight Deck Crewmembers.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23216
- Advisory Circular 120-82. *Flight Operational Quality Assurance.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23227
- Advisory Circular 121.195-1A. *Operational Landing Distances for Wet Runways; Transport Category Airplanes.* Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/22523

- FAA-H-8083-3A. *Airplane Flying Handbook*. Retrieved from http://www.faa.gov/library/manuals/aircraft/airplane_handbook/
- InFO 07009. *Runway Lights Required for Night Takeoffs in Part 121*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2007/inFO07009.pdf
- InFO 08029. *Approach and Landing Accident Reduction (ALAR): Recommended Flightcrew Training*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2008/inFO08029.pdf
- Degani, A., & Wiener, E.L. (1994). *On the design of flight deck procedures*. (NASA Contractor Report 177642). Washington, DC: National Aeronautics and Space Administration. Retrieved from http://ti.arc.nasa.gov/m/profile/adegani/Flight-Deck_Procedures.pdf
- Order 8900.1 CHG 0, Vol. 4, Ch. 2, Sect. 5. *All-Weather Terminal Area Approach and Landing Operations*. Retrieved from <http://fsims.faa.gov/PICResults.aspx?mode=EBookContents>
- SAFO 07003. *Confirming the Takeoff Runway*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo/all_safos/media/2007/safo07003.pdf
- Tarnowski, E. (1999). Understanding design philosophy can help pilots benefit from modern automated flight systems. *ICAO Journal*, November/December 1999, 22-24, 29-30. Retrieved from http://www.icao.int/anb/humanfactors/Understanding_design_philosophy_1999.pdf

Ground Safety Operations

- Advisory Circular 91-73. *Part 91 and Part 135 single-pilot procedures during taxi operations*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/22442
- Advisory Circular 120-74. *Parts 91, 121, 125, and 135 Flight crew Procedures during Taxi Operations*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23220
- FAA, Air Traffic Organization, Office of Safety. (n.d.). *Pilot 'Best Practices' for AIRFIELD SAFETY*. Retrieved from https://employees.faa.gov/org/linebusiness/ato/safety/rs/pilot_info/
- InFO 07018. *Taxi Clearances: Know the Rules, Understand Your Clearance*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2007/inFO07018.pdf
- InFO 08049. *Preventing Wrong Runway Takeoffs*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2008/inFO08049.pdf

Checklist Design and Use

- Advisory Circular 120-64. *Operational Use and Modification of Electronic Checklists*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23204
- InFO 08041. *Checklist Review*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2008/inFO08041.pdf
- InFO 08034. *Design and Content of Checklists for In-Flight Smoke, Fire and Fumes (SFF)*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2008/inFO08034.pdf
- FAA, Office of Integrated Safety Analysis, Human Factors Analysis Division. (1995). *Human Performance Considerations in the Use and Design of Aircraft Checklists*. Retrieved from http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/afs200/branches/afs210/training_aids/media/checklist.doc
- Order 8900.1 CHG 0 Vol. 3, Ch. 32, Sect. 12. *Aircraft Checklists for 14 CFR Parts 121/135*. Retrieved from <http://fsims.faa.gov/PICResults.aspx?mode=EBookContents>
- Turner, J.W. & Huntley, M.S. (1991). *Use and Design of Flight Crew Checklists and Manuals* (Report No. FAA-AM-91-07). Retrieved from <http://74.125.93.132/search?q=cache:ztuo8zy7qA8J:handle.dtic.mil/100.2/ADA237206+use+and+design+of+flight+crew+checklists+and+manuals+turner&cd=2&hl=en&ct=clnk&gl=us>

Training

- Airplane Upset Recovery Training Aid (with Appendix E, High Altitude Operations -- All Jets) <http://www.faa.gov/pilots/training/>
- Advisory Circular 120-35. *Line Operational Simulations: Line Oriented Flight Training, Special Purpose Operational Training, Line Operational Evaluation*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/22758
- Advisory Circular 120-51. *Crew Resource Management Training*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/22879
- Advisory Circular 120-54. *Advance Qualification Program*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23190
- Advisory Circular 120-62. *Takeoff Safety Training Aid*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/23202
- International Civil Aviation Organization. (1991). *Human Factors Digest Number 3: Training of Operational Personnel in Human Factors*. (ICAO Circular 227-AN/136).

- McDonnell, L.K., Jobe, K.K., & Dismukes, R.K. (1997). *Facilitating LOS Debriefings: A Training Manual*. (NASA Technical Memorandum 112192). Retrieved from http://ntl.bts.gov/lib/000/900/962/Final_Training_TM.pdf
- Order 8900.1 CHG 0, Vol. 3, Ch. 19, Sect. 6. *Flight Training Curriculum Segments*. Retrieved from <http://fsims.faa.gov/PICResults.aspx?mode=EBookContents>
- Prince, C. (n.d.). *Guidelines for Situation Awareness Training*. NAWCTSD/UCF/FAA Partnership for Aviation Training. Retrieved from http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/afs200/branches/afs210/training_aids/media/saguides.doc
- Svatek, N. (1990). Techniques in CRM Training. *ICAO Journal*, 45(10), 12-13. Retrieved from http://www.icao.int/anb/humanfactors/techniques_in_CRM_1990.pdf
- U.S. Air Force, Air Education and Training Command. (2005). *Cockpit/Crew Resource Management Training Program*. (Air Force Instruction 11-290). Retrieved from <http://www.e-publishing.af.mil/shared/media/epubs/AFI11-290.pdf>

Decision Making, CRM, Human Factors

- Adams, R.J. (1993). *How Expert Pilots Think*. (Report No. DOT/FAA/RD-93/9). Retrieved from <http://74.125.93.132/search?q=cache:UWbaseTkQRYJ:handle.dtic.mil/100.2/ADA265356+report+DOT/FAA/RD-93/9&cd=7&hl=en&ct=clnk&gl=us>
- Advisory Circular 60-22 *Aeronautical Decision Making*. Retrieved from http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/22624
- Civil Aviation Authority (United Kingdom). (2002). *Flight Crew Training: Cockpit Resource Management (CRM) and Line-Oriented Flight Training (LOFT)*. (Previously ICAO Digest No. 2). Retrieved from <http://www.caa.co.uk/docs/33/CAP720.PDF>
- Driskell, J.E., & Adams, R.J. (1992). *Crew Resource Management: An Introductory Handbook*. (FAA Report No. DOT-VNTSC-FAA-92-8). Retrieved from <http://74.125.93.132/search?q=cache:H733bOsmoiMJ:www.dtic.mil/cgi-bin/GetTRDoc%3FAD%3DADA257441%26Location%3DU2%26doc%3DGetTRDoc.pdf+crew+resource+management+an+introductory+handbook&cd=2&hl=en&ct=clnk&gl=us>
- FAA Report No. DOT-VNTSC-FAA-00-22. (2000). *Human Factors Considerations in the Design and Evaluation of Electronic Flight Bags (EFBs)*. Retrieved from <http://www.hf.faa.gov/docs/volpe/volpe0022.pdf>
- Helmreich, R.L. (1998). Error Management as Organizational Strategy. In *Proceedings of the IATA Human Factors Seminar* (pp. 1-7). Bangkok, Thailand, April 20-22, 1998. Retrieved from <http://homepage.psy.utexas.edu/homepage/group/HelmreichLAB/Publications/pubfiles/Pub225.pdf>
- Helmreich, R.L., Butler, R.A., Taggart, W. R., & Wilhelm, J.A. (1995). *Behavioral Markers in Accidents and Incidents: Reference List* (Technical Report 95-1). Retrieved from <http://homepage.psy.utexas.edu/HomePage/Group/HelmreichLAB/Publications/564.doc>
- Helmreich, R.L., Merritt, A.C., & Wilhelm, J.A. (1999). The Evolution of Crew Resource

Management Training in Commercial Aviation. (University of Texas at Austin Human Factors Research Project: 235). *International Journal of Aviation Psychology*, 9(1), 19-32. Retrieved from http://www.paediatricchairs.ca/safety_curriculum/domain4_docs/HelmreichCRM.pdf

- InFO 07015. *Flight Risk Assessment Tool*. Retrieved from http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info/all_infos/media/2007/inFO07015.pdf
- Jensen, R.S. (1989). *Aeronautical Decision Making – Cockpit Resource Management* (Report No. DOT/FAA/PM-86/46). Retrieved from <http://handle.dtic.mil/100.2/ADA205115>
- Johnston, A.N., & Maurino, D.E. (1990). *Human Factors training for aviation personnel*. ICAO Journal, May 1990, pp. 16-19. Retrieved from http://www.icao.int/anb/HumanFactors/Human_factors_training_1990.pdf
- Kochan, J.A., Jensen, R.S., & Chubb, G.P. (1997). *A New Approach to Aeronautical Decision-Making: The Expertise Method* (Report No. DOT/FAA/AM-97/6). Retrieved from <http://handle.dtic.mil/100.2/ADA323793>
- Merritt, A.C., & Helmreich, R.L. (1996). Creating and sustaining a safety culture: Some practical strategies. In B. Hayward & A. Lowe (Eds.), *Applied Aviation Psychology: Achievement, Change and Challenge* (pp. 20-26). Sydney: Avebury Aviation. Retrieved from <http://homepage.psy.utexas.edu/homepage/group/helmreichlab/publications/pub%20project/303.doc>
- Reason, J. (1990). *Human error*. New York: Cambridge University Press.
- Seamster, T.L., Boehm-Davis, D.A., Holt, R.W., & Schultz, K. (1998). *Developing Advanced Crew Resource Management (ACRM) Training: A Training Manual*. FAA, Office of the Chief Scientific and Technical Advisory for Human Factors, AAR-100. Retrieved from <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.127.1177&rep=rep1&type=pdf>
- Sumwalt, R.L., Thomas, R.J., & Dismukes, K. (2002). Enhancing Flight-crew Monitoring Skills Can Increase Flight Safety. Paper presented at the 55th International Air Safety Seminar, Flight Safety Foundation. Dublin, Ireland, November 4-7, 2002. Retrieved from <http://human-factors.arc.nasa.gov/flightcognition/Publications/Holbrookcopy.pdf>
- Weiner, E.L., Kanki, B.G., & Helmreich, R.L. (Eds.). (1995). *Cockpit Resource Management*. San Diego: Academic Press.