



Flight to the Future: Human Factors in Air Traffic Control

By Panel on Human Factors in Air Traffic Control Automation, National Research Council, National Academy of Sciences, Board on Human-Systems Integration, Division of Behavioral and Social Sciences and Education

National Academies Press. Paperback. Book Condition: new. BRAND NEW, Flight to the Future: Human Factors in Air Traffic Control, Panel on Human Factors in Air Traffic Control Automation, National Research Council, National Academy of Sciences, Board on Human-Systems Integration, Division of Behavioral and Social Sciences and Education, Despite the strong safety record of the national airspace system, serious disruptions occasionally occur, often as a result of outdated or failed equipment. Under these circumstances, safety relies on the skills of the controllers and pilots and on reducing the number of aircraft in the air. The current and growing pressures to increase the capacity to handle a greater number of flights has led to a call for faster and more powerful equipment and for equipment that can take over some of the tasks now being performed by humans. Increasing the role of automation in air traffic control may provide a more efficient system, but will human controllers be able to effectively take over when problems occur? This comprehensive volume provides a baseline of knowledge about the capabilities and limitations of humans relative to the variety of functions performed in air traffic control. It focuses on balancing safety with the expeditious flow of...



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