

# Crew Factors in Flight Operations XIV: Alertness Management in Regional Flight Operations Education Module



Crew Factors in Flight Operations XIV:  
Alertness Management in Regional  
Flight Operations Education Module

NASA Technical Reports Server  
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## CREW FACTORS IN FLIGHT OPERATIONS XIV: ALERTNESS MANAGEMENT IN REGIONAL FLIGHT OPERATIONS EDUCATION MODULE

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BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 138 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. Regional operations encompass a broad range of pilots and equipment. This module is intended to help all those involved in regional aviation, including pilots, schedulers, dispatchers, maintenance technicians, policy makers, and others, to understand the physiological factors underlying fatigue, how flight operations affect fatigue, and what can be done to counteract fatigue and maximize alertness and performance in their operations. The overall purpose of this module is to promote aviation safety, performance, and productivity. It is intended to meet three specific objectives: (1) to explain the current state of knowledge about the physiological mechanisms underlying fatigue; (2) to demonstrate how this knowledge can be applied to improving flight crew sleep, performance, and alertness; and (3) to offer strategies for alertness management. Aviation Safety Reporting System (ASRS) and National Transportation Safety Board (NISH) reports are used throughout this module to demonstrate that fatigue is a safety issue in the regional operations community. The appendices at the end of this module include the ASRS reports used for the examples contained in this publication, brief introductions to sleep disorders and relaxation techniques, summaries of relevant NASA publications, and a list of general readings on sleep, sleep disorders, and circadian rhythms. This item ships from La Vergne, TN. Paperback.

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