

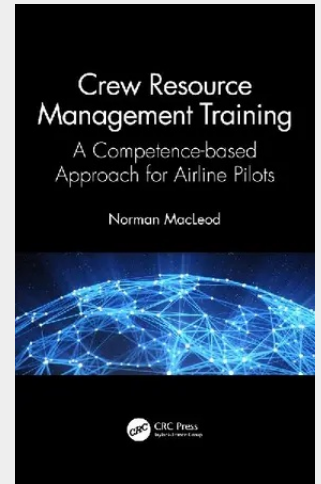
MacLeod

Crew Resource Management Training

A Competence-based Approach for Airline Pilots

The book provides a data-driven approach to real-world crew resource management (CRM) applicable to commercial pilot performance. It addresses the shift to a systems-based resilience thinking that aims to understand how worker performance provides a buffer against failure. This book will be the first to bring these ideas together. Taking a competence-based approach offers a more coherent, relevant approach to CRM. The book presents relevant, real-world examples of the concepts and outlines a change in thinking around pilot performance and data interpretation that is overdue. Airlines, pilots and aviation industry professionals will benefit from the insights into organisational design and alternative approaches to training. **FEATURES** - Approaches CRM from a competence-based perspective - Uses a systems model to bring coherence to CRM - Includes a chapter on using blended learning and virtual reality to deliver CRM - Features research on work/life balance, morale, pilot fatigue and link to error - Operationalises 'resilience engineering' in a crew context

The book provides a data-driven approach to real-world CRM applicable to commercial pilot performance. It addresses the shift to a systems-based resilience thinking to understand how worker performance acts as a buffer against failure. Those in the aviation industry will benefit from the alternative approaches to training and organisational design.



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