

Improving Air Safety through Organizational Learning

Consequences of a Technology-led Model



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'Aviation safety has been related to learning for decades. Human and technological considerations in safety must have a more balanced approach. This book explains how to relocate the role of technology in aviation.' – Juan Carlos Lozano, IFALPA Accident Analysis Committee

'Timely, necessary, and outspoken – Sanchez-Alarcos Ballesteros' book explains how our way of learning to be safer may inherently retard our ability to learn more than we already know. He cogently lays out why we need to go beyond even more technology or even more regulations if we want to keep making progress on safety.' – Sidney Dekker

The key theme of this book is organizational learning and its consequences for the field of air safety. Air safety rates have been improving for a long time, demonstrating the effects of a good learning model at work. However, the pace of improvement has almost come to a standstill. **Improving Air Safety through Organizational Learning** explains this situation as being the consequence of a development model supported chiefly by information technology being introduced as an alternative to human operators, and offers a new development model, one that makes strong use of technology but at the same time questions every step and suggests possible ways to recover the lost learning capacity.

Contents: Commercial aviation: a high risk activity; Event analysis as an improvement tool; Safety in commercial aviation: risk factors; Explanation of the reduction in the rate of learning in complex environments; Organizational learning in air safety: lessons for the future; Meaning and trust as keys to organizational learning; The future of improvements in air safety; Conclusion; References; Index.

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