

EXAMINATION OF DANGEROUS GOODS INCIDENTS ON AIRCRAFT

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Hazardous and dangerous goods are often shipped by air on both passenger and cargo aircraft. These dangerous goods pose a danger to flight safety, passengers, and airline personnel, and have been known to cause aircraft accidents. This research examined dangerous goods incidents reported to the U.S. Aviation Safety Reporting System (ASRS) from 2009 to 2017. Early identification of dangerous goods trends using the ASRS data could lead to changes in aviation safety monitoring and reduce the likelihood of a dangerous goods event causing an incident on an aircraft. This study identified batteries as the most prevalent categories of hazardous material found in reported incidents and represents 25% of the total dangerous goods incidents. Missing or incorrect documentation was identified in almost 40% of the cases and 27% of the incidents involved improper packaging or loading of dangerous goods on aircraft.

Biography

Robert Walton holds master's degrees in aeronautical science, business administration, and logistic and supply chain management, and a PhD in business administration. He is currently the Executive Director for Embry-Riddle Aeronautical University Worldwide. He has published in numerous academic journals, presented at multiple professional conferences worldwide and authored or co-authored several books. Most recently, he has co-authored Statistics and research methodology: *A gentle conversation*, and *Introduction to the process of research: Methodology considerations*.

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