

Ray Cherry

SPECIALIST AREAS

- Fire and Cabin Safety Research
- Mathematical Modelling
- Aircraft Systems Safety Analysis
- Lecturing on System Safety Assessment and Reliability Techniques
- Aircraft Regulation
- Independent Safety Auditing

Ray is a Chartered Engineer, a Fellow of the Royal Aeronautical Society and a Member of the Institution of Mechanical Engineers. Ray has lectured on the Cranfield University five-day Safety Assessment of Aircraft Systems Course since its inception in the 1970's. He continues to lecture on this course covering a variety of modules and is responsible for tutoring on the Course Exercise. He is one of the lecturers that is responsible for the course content and is also one of the Course Administrators. Ray is the co-presenter of the Applied Safety Assessment course also presented at Cranfield. Ray is responsible for the System Safety Assessment Module and conducts all of the lectures and tutorials for Cranfield University's MSc Course in Human Factors and System Safety Assessment. In addition, as Director of R.G.W. Cherry & Associates Limited, he regularly runs system safety training courses worldwide on aircraft reliability and safety assessment techniques to airworthiness authorities, manufacturers and airlines and is recognised worldwide as an expert in this field.

Ray is regularly invited to present at international safety conferences and is an attendee at the International Aircraft Materials Fire Test Working Group and the International Aircraft Systems Fire Suppression Working Group meetings. He has previously served on the JAA Regulation Advisory Panel (formerly known as the Regulation Committee) and the JAR 25 D & F Study Group (formulating the requirements for aeroplane equipment and systems).

Ray also has much experience in the formation and application of certification requirements having had responsibility for the certification of large transport aircraft with most of the world's leading airworthiness authorities. In particular, he is expert on the requirements of 25.1309 and its advisory material.

Ray, working for R.G.W. Cherry & Associates Limited, has produced many aircraft safety research studies and benefit analyses published by airworthiness authorities worldwide. The airworthiness authorities, as part of their rulemaking activities, have commissioned these aircraft safety studies in order to provide guidance on the likely improvements to aircraft safety through regulatory change.