

AESQ HUMAN FACTOR FAILURE MODE & EFFECTS ANALYSIS



Using an FMEA approach to

REDUCING THE HUMAN ERROR ZONE

A Rolls-Royce Case Study



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14.30 to 16.00 (UK time)

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Free AS13100 Webinar Series : Using FMEA to Reduce Human Error

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Human Error has the potential to significantly impact a business's performance, regarding product safety, quality performance as well as health & safety. As a result, the Management of Human Factors in the Aerospace Industry are a mandated requirement in a company's Safety Management System (SMS) required by the International Civil Aviation Organization (ICAO) Regulations and AS13100.

This interactive Webinar is designed to share an approach used by Rolls-Royce Civil Aerospace's Assembly Operations that combines an FMEA approach to enable its goal of minimizing the errors caused by Human Factors. This simple approach has shown benefit to both assembly and office environments.

Ian and Steve will share details of the approach as well as describe the actual deployment in key areas, highlighting the benefits seen so far.

The Approach (45 minutes)

Case Studies (45 minutes)

1. What is meant by Human Factors

6. Case Study 1 : Certification Office

2. Failure Mode & Effects Analysis (FMEA) Simple Overview

7. Case Study 2 : Final Inspection

3. What problem are we trying to solve?

8. Guide to Conducting the FMEA

4. Using FMEA to reduce the risk of Human Factors – Overview of the approach

9. HF FMEA Summary

5. Developing a Reference FMEA for Human Factors

10. Q&A