AS13100 / RM13004 PFMEA Application in a Complex Assembly Environment

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14:00 – 16:00 (UK Time)
RM13004 PROCESS FMEA WEBINAR
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Led by Dr Ian Riggs and Harj Sanghera of Rolls-Royce Civil Aerospace Assembly & Test this webinar will focus on the application of RM13004 Process FMEA in a complex assembly operational environment.

Sharing insights gathered from the deployment of this method in the RR Civil Large Engines business over the past 2 years the presentation aims to help practitioners to get the most out of this powerful defect prevention quality tool and to ensure that it is deployed in a simple and manageable way. We will discuss some of the common mistakes that can be made and how to avoid them.

AS13100 / RM13004 PROCESS FMEA APPLICATION IN A COMPLEX ASSEMBLY ENVIRONMENT

1. Recap of the key success factors and principles for creating and managing effective Process FMEAs using RM13004

2. Insights for applying Process FMEA in an assembly environment, including:
   - Defining Product based Requirements & Failure Modes
   - Using Standard Failure Modes
   - Dealing with Human Errors
   - Engaging the right people
   - Links to the Control Plan

3. Practical Case Study for the deployment for Assembly Process FMEAs

4. Questions & Answers
Introductions

Dr Ian Riggs, Global Quality & HSE Executive for Civil Aerospace, Assembly & Test Operations
- Worked for Rolls-Royce Aerospace for past 19 years
- 16 years experience working for Automotive,
- Awarded an Engineering Doctorate by Warwick University for research into Supplier Selection Strategies in the Global Automotive Industry
- Founding member of the AESQ in 2013
  - Served two terms as Chairman
  - Led the writing teams for AS13100 and AS13003
  - Team leader for AESQ RM13004 Subject Matter Interest Group

Harj Sanghera, Manufacturing Engineer and PFMEA Subject Matter Expert, Rolls-Royce Assembly & Test Operations
- Worked for Rolls-Royce Aerospace for past 2 years
- Leads the Community of Practice (CoP) for RM13004 Process FMEAs in Assembly & Test
- BEng Hons Mechanical Engineering (Derby University). Awarded the Rolls-Royce Sir Denning Pearson Award.
- 10 years engineering experience with 5 years on the shop floor