

JOB DESCRIPTION

Job Title: Reliability Engineer
Company: AAR International
Location: UK
Reporting Line: Engineering & Reliability Manager

Date Amended: June 2022

Job Purpose:

Working within the AAR Integrated Supply Chain Solutions – Commercial Programs department, the Reliability Engineer will support aviation maintenance, repair and overhaul (MRO) of commercial aircrafts.

The role requires the individual to perform analysis to identify and report trends related to system anomalies, equipment, discrepancies and performance reliability problems as assigned and lead on data analysis to evaluate reported discrepancies, to determine root cause, develop solutions, recommendations and presentations for leadership, suppliers and customers.

The post-holder will act as Engineering & Reliability representative for AAR to key airline customers, attending technical review meetings, reliability & component meetings attended by a variety of customer representatives up to and including senior management. Develops and fosters a good working relationship with customers and colleagues.

Ultimately the position will work as part of the International Engineering team to identify and resolve issues and communicate regular updates to colleagues across the UK and international offices as well as airline customers.

Key Responsibilities:

- To use knowledge of various engineering disciplines such as mechanical, hydraulic, electrical and systems with ability to read, understand and interpret engineering technical information (e.g., drawings, handbooks, Component Maintenance Manuals (CMM), industry standards and specifications).
- Develop retrofit plans and monitoring fleet performance on specific reliability projects, creating supply chain test plans, laying out specific work scope requirements, and specific repair order instructions as required to Improve Reliability of aircraft components.
- Perform research and lead discussion with component manufacturers and operators to develop innovative and effective solutions to increase reliability and/or save cost on repair schemes
- Generate business cases and cost/benefit analyses of modifications and other maintenance recommendations
- Lead research on a wide range of complex technical, operational and quality issues that cannot be resolved by the MRO suppliers

- Analyse and report data to monitor relevant Reliability KPIs such as removals per 1000/hrs, LTU, FOF and NFF rates
- Lead root cause analysis and develop solutions and recommendations for the continuous improvement of Engineering KPIs
- Create presentations for key internal and external stakeholders including senior leadership, suppliers and the customer.
- Perform comprehensive FRACAS analyses on failed components.
- Perform a liaison functionality with airlines, supply chain partners, internal AAR repair facilities and internal/external stake holders.
- Report any issues to the Manager in a timely manner
- Understand and contribute to ensuring departmental and company targets are met
- Adhere to all Health & Safety guidelines and Quality responsibilities
- Adhere to all AAR procedures and processes
- Ensure the work areas are kept in a clean and tidy condition
- As business needs dictate, the post holder may be required to undertake additional duties of a level commensurate with their existing responsibility.

PERSON SPECIFICATION

Candidates will be assessed on and must demonstrate how they meet the essential criteria during the recruitment and selection process.

I = Interview T = Test A = Application P = Presentation

Criteria	Essential (E) or Desirable (D)	Assessment Method
Qualifications and Education		
Must be educated to Bachelor degree (or similar) or must have equivalent suitable experience.	E	A, I
Experience, Knowledge & Technical Ability		
Must be able to demonstrate in depth knowledge of engineering principles, techniques, methods, and discipline in your application	E	I
To use a variety of bespoke and traditional systems (such as Microsoft office) to gather data and manipulate into user friendly reports.	E	A, I
To have experience in performing comprehensive FRACAS analyses on failed components.	D	I
Skills & Abilities		
Communication: Clarifies purpose and importance, stresses major points, and follows a logical sequence. Uses terms, examples, and analogies that are meaningful to the audience when proposing technical investigations and corrective actions.	E	A, I
Analytical Skills: Skill and ability to collect, organize, synthesise, and analyse data, summarise findings, develop conclusions and recommendations from appropriate data sources at the department, supplier and customer levels.	E	A, I
Personal Traits		
Systems Thinking: Formulates change strategies and seeks input from others to evaluate options for change and encourage buy-in.	E	I
Cost savings initiative: develop, execute, and measure data in relation to supplier work scoping, OEM technical recommendations, and airline maintenance practices.	E	I
An organised self-motivator	E	I
Job Circumstances		
Valid UK Driving License and ability to drive company vehicles	E	A, I
Ability to work in a non-discriminatory manner	E	I

DECLARATION

Employer Declaration

Signed on behalf of the employer

AAR International,
.....

PRINT AND SIGN

Line Manager

Date

Employee Declaration

I agree to the above duties as listed in my job description.

Signed by the employee
.....

PRINT AND SIGN

Employee

Date.....