



Example of RAMS Engineer Job Description

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Our innovative and growing company is looking to fill the role of RAMS engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for RAMS engineer

- Perform all other Systems assurance related tasks that will help complete the project
- Identification of project RAMS program requirements
- Allocation of RAMS resources to meet requirements
- Participation in the System Engineering process with personnel from other engineering disciplines, manufacturing, quality assurance and Authority technical and management personnel
- Performance and implementation of all RAMS program tasks
- Performance of RAMS analyses, including Reliability (system modeling and predictions, failure analysis, equipment performance evaluations), Maintainability (system modeling and predictions, maintenance planning), Safety (Hazard Analyses, Failure Modes, Effects and Criticality Analyses (FMECA), Fault Tree Analyses, hazard monitoring and reduction)
- Performance of Flame, Smoke and Toxicity (FST) analysis and report evaluations
- Development of Life Cycle Cost (LCC) models to evaluate the costs of system operation and maintenance during the product lifetime
- Establishment/support of Asset Management policies for our clients based upon design complexity, equipment repair requirements and customer capabilities
- Interface with management, suppliers, subcontractors and transit authority personnel to communicate RAMS issues and negotiate problem resolutions

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- Wide Knowledge in Mechanical, Electrical and Electronics systems and ability to understand the schematics
 - Degree (or equivalent) in engineering or an appropriate discipline
 - FMECA
 - 7-10 years of experience (at least 5 in RAMS)
 - French Language (optional)
 - Experience in RAMS management of non-railway systems (especially MEP)