

Electron International Inc.

Configuration Management Process Engineering Specialist

Electron International (EI) is an avionics and electrical engineering firm. We have some of the most experienced engineers in the avionics industry, with our lead engineers having 25 to 35 years of experience. We provide a wide range of consulting services to companies such as Boeing, Airbus, Honeywell, Rockwell-Collins, etc. Some services include:

- FAA Designated Engineering Representative (DER) services
- System Engineering Design and Analysis
- Safety Engineering Analysis and Documentation
- Verification and Validation of software & hardware requirements
- Writing software & hardware requirements for fly-by-wire flight controls
- Aerospace Systems, Software, Electronic Hardware Process and Quality Assurance
- Configuration Management/Requirements Control

Job Description

Electron International is seeking configuration management process engineering specialist to support the development of various Aerospace and Avionics systems.

Candidate will be responsible for establishing, documenting, and supporting the configuration management process. This includes configuration identification, maintenance, and audit.

Job Responsibilities include:

- Assist with defining and documenting Configuration Management processes and procedures compliant with AS9100 and AS9115
- Assist with defining and documenting Configuration Management Plans compliant with ARP4754A, DO-178C, and DO-254.
- Define and document integration with other processes related to Configuration Management to ensure that Configuration Items are effectively maintained throughout their lifecycle
- Define Windchill tool requirements to support Configuration item lifecycle management
- Create and support Configuration Management audit process to ensure reliability of configuration data
- Implementing the Configuration Management process for establishing and maintaining consistency
- Assist with training stakeholders on configuration management process and procedures.
- Review, analyze, and document the effectiveness and efficiency of existing Configuration Management related processes/procedures and assist in developing strategies for improving or further leveraging these solutions.
- Ensure necessary Configuration Management support documents exist and are maintained.

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- Apply use of tools to identify or refine requirements such as Model Based Definition for mechanical parts/3D model.

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Education:

- Bachelors of Science degree

Experience and Other Requirements:

Candidate should have:

- Minimum 5 years related experience
- Experience with Configuration Management tools such as Windchill, Enovia, DOORS, PVCS, and MKS.
- Familiarity and knowledge of Industry and Aerospace standards (AS9100, AS9115, ARP4754A, DO-178C, DO-254)
- Self-directing and willing to work in a teaming environment.
- Strong Communication and Interpersonal skills.
- Strong Computer skills (MS Explorer/Word/Excel/PowerPoint)
- Excellent written and verbal communication skills, especially the ability to communicate on abstract concepts to technical and non-technical audiences
- Ability to communicate confidently and clearly on conference calls, in meetings, via email, etc., with support teams and leadership.
- Ability to work on multiple assignments
- 25% Overseas Travel

Keywords: Configuration Management, Windchill, PVCS, ENOVIA, MKS, DOORS, CATIA, MBD