

## Job Overview: DO-178C DAL A Assurance Auditor

### Expectations and Responsibilities

- **Assurance Oversight:** Ensure compliance with plans, processes and standards for DO-178C DAL A and related industry guidance.
- **Process Oversight and Management:** Oversees that development and verification processes are being followed by the software developers. Reviews software life cycle artifacts to ensure they comply with the planning documents and standards.
- **Audits and Reviews:** Support internal and external compliance audits.
- **Mentoring:** Provide guidance and mentoring on project plans, processes and standards.
- **Continuous Improvement:** Detect and suggest process improvements in development assurance and reliability.
- **Description:** This work is analogous to certification authority artifact compliance reviews and audits.

### Critical Skills and Experience

- **Education:** Bachelor's or master's degree in software engineering, Computer Science, Electrical Engineering, or related field.
- **Experience:** Minimum of 7 years VxWorks or other RTOS embedded C/C++ software development. At least 15 years focused on safety-critical systems and DO-178C compliance.
- **C Language:** Must be well versed in the C programming language.
- **Knowledge:** Deep understanding of DO-178C objectives, particularly for DAL A, and familiarity with related guidance.
- **Skills:** Strong analytical, problem-solving, and communication skills; ability to work collaboratively.
- **Attention to Detail:** Meticulous attention to plans, methods and standards.

### Preferred Skills

- **Certification:** Relevant credentials (e.g., DO-178C, FAA DER) are highly desirable.
- **Tools:** Proficiency with configuration management, verification, and code analysis tools.
- **Methodologies:** Familiarity with Waterfall, Agile, and V-Model software development methodologies.
- **Industry Experience:** Background in the aerospace industry and understanding of regulatory requirements.