

Alenia North America Inc.
Position Description

Job Title: System Design and Equipment Engineering
Business Unit/Department: C-27J Avionics IPT
Reports To: System Design and Equipment Engineering Manager
Location: Smyrna, GA

Position Summary (Briefly describe what the position was created to accomplish):

Develop the architecture and the requirements for the C-27J Avionics System / Sub-System / Equipment.

Technical point of contact for a specific equipment or group of equipment's, with the principal aim being to monitor, validate and approve the supplier's design, in accordance with the project standards.

Develop test requirements to verify compliance of the Avionics system with the requirements.

Please note that the activities shall be carried out at the Avionics IPT location in Smyrna (GA)

Position Responsibilities (List in order of importance the essential functions of the job, the approximate percentage of time spent on each of the activities and describe what must be accomplished):

- Establish avionics system requirements from higher level aircraft specifications following structured design and analysis methods.
- Establish avionics sub-systems requirements from higher level system specifications following structured design and analysis methods.
- Establish avionics equipment requirements from higher level sub-system specifications following structured design and analysis methods.
- Processing supplier's technical documentation.
- Monitoring and validating the suppliers design to ensure compliance with the system/equipment requirements.
- Provide adequate responses (in terms of time cost and compliance) to supplier and other external queries.
- Provide technical information with respect to equipment issues and status.
- Develop test requirements to verify compliance of the Avionics system with the requirements.
- Support Avionics Integration testing.
- Support troubleshooting activities following lab/ground/flight tests and in service reports

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Position Requirements (Include education, experience, special skills and licenses or certifications required):

- BSEE/BSCS or comparable Technical degree with 3+ years experience in Avionics system requirements definition and Equipment Engineering.
- Avionics programs background required.
- Systems / Electronics knowledge
- Knowledge of engineering & software lifecycles
- Knowledge of the RTCA/DO-178B development processes.
- Ability to adapt to shifting priorities and work cooperatively within a small, rapidly growing multinational team.
- Ensure good communications with internal and external interfaces takes place.
- Working in Team.
- Good understanding of communications protocols (Mil-1553, ARINC 429).
- Experience in use of DOORS.
- Working knowledge of Serena Dimensions (PVCS).
- Proficient with Microsoft Office Suite.
- Knowledge of Italian language would be considered a plus, due to continuous interface with the mother company

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be a list of all responsibilities, duties and skills required. Specific duties may change without notice.

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