

United States Jobs Expertini®

Avionics Engineer: Software

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Company: Honda Aircraft Company

Location: United States

Category: other-general

About the Opportunity: You will help shape the future technology of the HondaJet by providing guidance on compliance and FAA regulations for new product development programs and upgrades for existing platforms. In this role, you will provide technical leadership and mentorship to the team in your area of expertise. Your Key Responsibilities: Responsible for development of complex avionic systems in line with ARP4761, ARP4754, DO-297, DO-254 & DO178 recommended practices. Responsible for the Aircraft Software Configuration Management. This includes Planning, Identification, Change Management, Status Accounting, Verification, Co-ordinated Deployment and Audit of the aircraft software configuration. Provide technical assistance to production and customer service departments in support of system technical inquiries, issue resolution, and system level enhancement. Provide guidance and oversight to the Avionics engineering team to verify system design compliance with functional and compliance requirements. Prepare presentations on avionics system compliance strategy during design/development for both regulatory authorities and internal leadership audiences. Support system Failure Hazard Analyses for avionic systems. Serve as the system-level expert for integration and coordination activities with various departments and the certification authorities. Conduct multi-disciplinary design reviews throughout the different phases of development, certification, and production readiness as required to coordinate and communicate system design projects. Conduct trade studies, analyses, and test programs as necessary to validate system architectures meet all requirements. Who Are You: You have experience in Software configuration control. Have a Bachelors' Degree in Engineering, mathematics or Physics. You've applied this expertise over 5+ years in Engineering and have

spent 4+ years working with integrated aircraft avionic/electrical systems in the areas of design engineering, system analysis, system test, and compliance findings. You have experience with new product development certification programs and major/ minor upgrade programs on existing platforms (Part 23 I 25).Preferred qualifications:Experience in determination of appropriate environmental test requirements, categories, writing test plans, conducting and witnessing testing, and approving test reports.Working knowledge of system requirements including DO-178/C for software and DO-254 for complex electronic hardware.Familiarity with application of SAE ARP 4754 and ARP 4761Experience with SOI (Stages of Involvement) audits for aircraft software, preferably up to and including Level A software.Experience in test and certification of Avionics, Automatic Flight Control Systems, Autopilots, and Air Data SystemsExperience in Aircraft Software Configuration Management.

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