Professional Senior, Engineering - Avionics Systems

Location	Mississauga, Ontario, L5S 1W1
Posting date	2026-07-02
Business unit	Engineering, Product Development & BBD Defense
Organization	Aerospace Canada
Primary site	Global 7500/8000
Status	Permanent
Posting languages	EN
Pay	124000–150000 CAD / year

Responsibilities

- In your role as DAD Aircraft Systems, you will be responsible for the performance of various tasks related to the development, testing, certification and in-service support of advanced business aircraft aircraft systems
- More specifically:
- Be responsible and support the timely integration of systems, such as AFCS, Communication (VHF, HF, SATCOM, Datalink), Navigation (ADF, VOR, ILS, DME, TCAS, Transponder, IRS, GPS, FMS, Weather Radar), Displays (EFIS, EICAS, HUD, SVS), Information/Maintenance & Recording (IMS, OMS, Data load, CVR, FDR, AHMS), etc. on the aircraft
- Support: the definition and management engineering system and subsystem requirements to ensure safety, certification & aircraft design requirements and objectives are met
- Joint work with system providers plus other interface suppliers and disciplines to ensure that the system is properly designed to be seamlessly integrated into the aircraft and meet certification requirements
- Testimony or participation in engineering-related testing, inspections and/or certification checks
- Review and approval: Compliance Reports on behalf of Bombardier in accordance with approved Certification Plans
- Oversight: that aircraft avionics are maintained in accordance with regulations, regulatory standards and required guidance documents
- Approval and recommendation: certification plans on behalf of Bombardier for regulatory authority approval
- Support: any technical design issues and bring them to closure

Candidate profile

- University degree in electrotechnics, software, aerospace engineering or equivalent
- Current or candidate-for DAD / DAR status preferred. (Has met the requirements of Transport Canada AWM 505 "Delegation of Authority" 505.409)
- Familiarity with and have a working relationship with TCCA, EASA or FAA
- Candidate profile: knowledgeable with civil airworthiness FAR Part 25 avionics regulations and industry advisory material including RTCA and ARP documents for applicable TCCA, EASA and FAA avionics certification requirements
- Extensive experience working with the design, testing and certification requirements of automatic aircraft flight systems, communication, navigation including FMS, indication/recording systems, on-board maintenance systems, etc
- Knowledge and/or experience of Integrated Modular Avionics Systems (IMA)

- You know the industry standards DO-178, DO-160, DO-254, ARP4754 and ARP4761
- Effective communication (verbal and written)
- Excellent skills in problem solving, work planning structure and prioritization
- Ability to work well in a team environment
- Candidate profile: willing to travel
- This position has a hybrid work schedule and requires 2 days per week mandatory at the office
- The base salary for this position is expected to range from CAD $124,000 to CAD $150,000 per year
- The applicable base salary will be determined on the basis of a variety of criteria, at Bombardier's sole discretion, such as the candidate's skills, experience and qualifications
- In some cases, the basic salary offered may differ from the range expected from the base salary mentioned above
- Now that you can see yourself in this role, apply and join Bombardier's team!
- Applicants can apply without meeting every criterion. The employer considers potential and fit for the position.
- Bombardier encourages applications from qualified candidates and supports equal employment opportunity. The listed protected grounds include: race, religion, ethnicity, sexual orientation, age, immigration status, disability.
- Shift

Work environment and benefits

- Hybrid work and flexible arrangements depend on the position.
- Bombardier develops, manufactures and services high-performance aircraft for private, corporate, government and military customers. Its employer profile emphasizes excellence and staff development.
- Bombardier emphasizes career development, autonomy and individual contributions to improving aviation products and services.
- Insurance coverage: dental care, medical care, life, disability, other coverage
- Competitive starting compensation.
- Retirement savings program.
- Staff assistance and support program.
- Access to remote health services.

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- Bombardier is a world leader, creating innovative and changing aircraft
- Our products and services offer world-class transportation experiences that set new standards for passenger comfort, energy efficiency, reliability and safety
- We are a global organization that works with team spirit
- The ideal candidate will have prior experience as a Design Approval Representative (DAR) or Design Approval Delegate (DAD)
- After a period of familiarization, the candidate will be expected to become an Avionics Systems DAD within Bombardier and will be responsible for the Avionics Systems DAD activities on the Challenger Bombardier product line