

CNS ENGINEER



JOB DESCRIPTION

CNS Engineers manage the lifecycle of communication, navigation, and surveillance systems used in air traffic control, including system design, installation, maintenance, and upgrades to ensure compliance with international standards and optimal performance.

SALARY

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DAILY ROUTINE

Designing and evaluating CNS systems, conducting site surveys, overseeing installation processes, performing routine maintenance and troubleshooting, ensuring compliance with regulatory standards, and collaborating with stakeholders to assess and improve system performance.

IMPACT ON PRIVATE LIFE

The role may require travel to various sites, adherence to strict project deadlines, and occasional on-call duties to address system issues.

SKILLS AND COMPETENCIES

Proficiency in radio frequency (RF) engineering, understanding of avionics systems, strong analytical and problem-solving skills, knowledge of international aviation standards, and excellent communication abilities.

SELECTION CRITERIA

Candidates must hold a degree in Electrical Engineering, Telecommunications, Computer Science, or a related field, with specialized training in aviation communication, navigation, and surveillance systems. Expertise in RF engineering, signal processing, radar systems, and satellite-based navigation technologies is essential. Strong problem-solving skills, attention to detail, and knowledge of aviation safety regulations and compliance standards (e.g., ICAO, EASA) are required.

EDUCATION

A bachelor's degree in Electrical Engineering, Electronics Engineering, Telecommunications, or a related field.

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YEARS OF TRAINING REQUIRED

Around 5-7 years, including a bachelor's degree in electrical engineering, telecommunications, or aeronautical engineering (3-4 years), followed by 2-3 years of specialized training in air traffic control (ATC) systems, radar technology, and aviation communication networks. Some positions may require additional certifications in ATM and CNS systems.