

Function Title: ATM Simulator and Modelling Assistant (2 posts) - NOC - AT-2018-FGIII/010

Location: Bretigny

DIRECTORATE / SERVICE

Bretigny (France) - Directorate Air Traffic Management - R&D and SESAR Contribution Management - Validation Infrastructure (ATM/RDS/VIF)

Function Group III - Grades 8/9/10

DIRECTORATE CONTENT

ROLE OF THE ATM VALIDATION INFRASTRUCTURE UNIT

The Directorate Air Traffic Management (ATM) is responsible for Air Traffic management, R&D, SESAR as well as military and civil-military ATM coordination. Within ATM, the Validation Infrastructure Unit (VIF) is responsible for providing validation and simulation platforms to the internal services involved in the validation of ATM concepts. The Unit also supports the internal services and the external partners in the configuration, management and operation of the validation and simulation platforms.

JOB RESPONSIBILITIES

The successful candidate will be responsible for:

- Contributing to change management activities: conversion of user requirements into technical requirements to be included in system design or in detailed technical analyses, and definition of acceptance test plans;
- Performing some software development (small scale) to the extent required to respond to clients' requirements, and modelling and research activities;
- Preparing processes and analysing data required to troubleshoot problems, investigate and propose solutions;
- Analysing mathematical algorithms and contributing to research and development work to identify new modelling techniques and methods to meet the clients' needs (operational or system);
- Participating to problem management activities by analysing reported problems and eliciting solutions;
- Drafting technical material in English;
- Performing any other task in line with the main purpose of the job.

REQUIRED PROFILE

- Bachelor in a relevant domain (e.g. IT, physics)
- As an asset, a master's degree in engineering (e.g. software development, aeronautical, mechanical, electrical) or scientific (e.g. math, physics)
- A minimum of 3 years of relevant professional experience is required; in case of relevant master's degree, a minimum of 1 year of relevant professional experience is required
- Experience in software engineering (knowledge of different systems and software environments)
- Knowledge of mathematical modelling
- As an asset, experience in user requirements capture, user acceptance criteria definition and technical documentation development
- English drafting skills
- As an asset, knowledge of
 - ATM simulator systems
 - Any of the following programming languages: MatLab, C++, UML and XML
 - Aircraft flight mechanics and aircraft performance
 - Flight Management Systems (FMS) and Air Traffic Management systems and tools
- Analytical thinking: Breaks down problems
- Quality focus: Sets and fosters high quality standards for others
- Team work: Participates as a team member
- Networking: Maintains positive, productive working relationships
- Communication: Fosters two-way communication
- Problem solving: Responds to (routine) problems as they arise by applying job knowledge
- Ability to work in a multinational and multicultural environment
- Professional conduct in line with the corporate behaviour of the Agency i.e. result-driven, readiness to change, customer focus, integrity and team-player approach
- Thorough knowledge of one of the working languages of the Agency (English/French) and satisfactory knowledge of the other language

ADDITIONAL INFORMATION

- An initial selection will be made by a Selection Committee on the basis of the candidates' qualifications and experience. Thereafter, those candidates considered suitable may be invited to an assessment and interviews.
- Candidates should apply on-line by answering the 2 questions of the on-line form, and attach a curriculum vitae, preferably the Europass CV, and a cover letter in pdf format of 500 KB maximum.
- Applications will be accepted from nationals of EUROCONTROL Member States only. Agency staff subject to the Staff Regulations governing officials, the General Conditions of Employment governing servants at the Maastricht Upper Area Control Centre or the Conditions of Employment of Contract Staff are considered internal candidates. At the closing date of the notice of competition, internal candidates must

- have completed their probationary period.
- The selected candidate will be offered a contract of three years pursuant to the provisions of the Conditions of Employment of Contract Staff at EUROCONTROL. The contract may be renewed once for a fixed period of not more than three years. Before being confirmed in the post, they will be required to complete a probationary period of 9 months.
- This notice may be used for the recruitment of similar posts, for a period of one year following the establishment of the reserve list.
- The selected candidate will be engaged in principle at the basic grade of the advertised job bracket.
- The generic post is: Assistant.
- Information on salary and benefits can be found on the web page: <http://www.eurocontrol.int/articles/what-we-offer>.
- This competition is published on 10/01/2018, the closing date is 07/02/2018.