Job Title: ISS Security and EAC Infrastructure Engineer

Req ID **7741** - Posted **30/08/2018**

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Human & Robotic Exploration Programmes.
ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

ISS Security and EAC Infrastructure Engineer
This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

EAC, Porz-Wahn, Germany

Description

ISS Security and EAC Infrastructure Engineer in the ISS Ground Segment and Technical IT Systems Team, ISS Operations & Astronaut Group, Directorate of Human & Robotic Exploration Programmes.

Duties

The ISS Security and EAC Infrastructure Engineer reports to the ISS Ground Segment (GS) and Technical IT Systems Team Leader (HRE-OG) and is responsible for defining and enforcing the Security Policies applicable to the ISS Exploitation Programme and for managing the GS and IT Infrastructure at EAC. The post-holder is responsible for interacting with industrial and national partners as well as partner agencies (NASA, RSA, JAXA, CSA) on matters of security relating to all ISS facilities and elements (ground, flight, payloads, etc.). The post-holder is also responsible for the GS and IT infrastructure at EAC, relevant to ISS and to exploration, and including the IT team at EAC. The main tasks include the following.

For the ISS Security part:

- Acting as the ISS Programme Security Officer (PSO) and supervising the EAC Local Site Security Officer
- Chairing the Security Control Board (SCB), which acts as the security authority for the ISS Exploitation Programme
- Ensuring the definition, evolution and maintenance of the Security Requirements and Security Policies needed by the programme
- Overseeing the security classification of information relevant to the ISS Exploitation Programme, including data and documents from third parties in the custody of ESA (ITAR-related, operational data, etc.)
- Interfacing, and as necessary negotiating the ISS programme security interfaces, between ESA and other agencies, and national, industrial or commercial centres
- Enforcing security implementation and countermeasures in relation to various stakeholders (Payload and system development teams, service leads, industry, operational centres)
- Managing the security infrastructure necessary to the ISS Exploitation Programme (Secure Documentation Management System, Public Key Infrastructure, etc.)
- Interfacing with the programme management, directorate Information Security Officer, ESA CERT and ESA Security Office with respect to security risks, mitigations and investments
- Supervising the ISS Program Technology Transfer Control Plan(s)/Processes (TTCP) that govern ESA ISS personnel Physical and Logical access to NASA systems & resources in coordination with the NASA IP Liaison

and ESA Houston Office team
- Acting as technical officer for the security consultancy contract that supports the various security processes (e.g. security audits, incident management, threat assessments, etc.).

For the GS and IT Infrastructure part:

- Leading the various GS projects, which include conceptual studies and implementation efforts relevant to the preparation of lunar, Mars and   other exploration missions. Emphasis is on mixed interactions between robotic and man-tended systems.
- Managing the various IT and GS EAC projects relevant to ISS activities
- Coordinating the maintenance and evolution of the GS Infrastructure at EAC relevant to ISS and to Exploration Supervising the EAC GS operators supporting the operational roles of EAC
- Supervising the IT Team.

Technical competencies
Experience of managing security processes
Information security technology
Security auditing standards
Security engineering, especially security monitoring
Knowledge and experience of ground segment, simulators and early operations
Experience in the definition and in the implementation of Ground Segment projects

Education
Applicants for this post should have a Master's degree or equivalent qualification.

Behavioural competencies
Planning & Organisation
Responsible Decision-Making
Relationship Management
Fostering cooperation & effective team-working

Additional requirements
The candidates must be able to implement and enforce security in organisations with priorities relating to development, cost optimisation and operational performance. As chair of the Security Control Board, the candidates must have the ability to lead a board of various security officers, each facing the resistance of their own organisations. The capacity to embody the security authority of the programme, combined with ability to provide advice and encouragement, are key elements of the post.
Candidates should have acquired relevant experience in the management of ground segment systems related to the ISS. Experience related to mixed robotic/man-tended systems and flight engineering would be considered a plus.
Candidates should also be able to lead negotiations with development and operational teams as well as with national or international partners and agencies. Furthermore, the supervision of the IT team and the management of several GS projects requires the ability to understand, motivate and lead a set of technicians and engineers in a politically, technically and financially complex setup.

Other information
For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.
The working languages of the Agency are English and French. A good knowledge of one of these is required.
Knowledge of another Member State language would be an asset.
The Agency may require applicants to undergo selection tests.

The closing date for applications is 26 September 2018.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom, Canada and Slovenia.

According to the ESA Convention, the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When shortlisting candidates, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States (see nationality targets)

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.