

SECONDED NATIONAL EXPERT- JOB PROFILE

Research Expert (Research and Innovate Unit/ Capability Transformation Division)

Tasks and responsibilities:

Reporting to the Head of Unit and under the supervision of the respective Head of Sector the main duties related to:

- Design and Implementation: Design, plan and execute pilot projects, including the development of new technologies, methods and tools to enhance border security and facilitate legitimate travel.
- Technical Expertise: Provide technical expertise to support the design, coordination and implementation of pilot projects.
 - For Border Surveillance profile:
 - strong technical expertise in border surveillance-related topics, including: Sensors (e.g., radar, cameras, acoustic sensors), UAVs, UAS, Video analytics (e.g., object detection, tracking, classification), Data fusion and integration, Communication systems (e.g., wireless networks, satellite communications)
 - For Border Checks profile:
 - strong technical expertise in border checks topics, including processes at the BCP, Biometrics (e.g., facial recognition, fingerprint recognition), Document verification (e.g., passport verification, ID card verification), Data analysis and machine learning, Identity management
 - For both:
 - experience with EU border security: Experience working with EU border security agencies, such as Frontex, or national border authorities.
 - knowledge of EU border security policies: Familiarity with EU border security policies, including the Schengen Borders Code
- Data Analysis: Analyze data and results from border check pilot projects, identifying key findings and recommendations for future development.
- Stakeholder Engagement: Engage with various stakeholders, including Frontex units, Member States and external partners, to promote pilot projects, gather feedback and ensure effective collaboration. Coordinating and facilitating industry contacts and interaction with innovation suppliers, in accordance with the relevant Frontex policy and procedures.
- Report Writing and Communication: Prepare and present research reports, briefings and other documentation to stakeholders, including Frontex management, Member States and the European Commission.

Selection criteria:

Professional qualifications, competencies and experience required:

Essential:

- Level of education corresponding to completed university studies attested by a diploma (three years or more of full-time education) preferably in technology, engineering, mathematics, or science;

- Professional experience of at least six years related to the area of activities described under tasks;
- Experience of at least three years in performing project management, in procurement of technology products and services and management of research events (meetings, expert workshops, or conferences);
- Experience of at least three years in emerging solutions, integration of existing solutions or innovation of operational processes and in the testing and/or technology assessments of research activities;
- Excellent communication skills in English including the ability to draft and present high-quality reports/technical documentation/ business processes, with appropriate visualizations, to various audiences.

Assets:

- Experience in (working with) the law enforcement sector and/or in the border security or military;
- Experience in working in or cooperating with EU or international institutions;
- Experience in a capability planning and process-based security organisation.

Personal skills & competencies required:

- Ability to work in a fast-paced, dynamic environment, with multiple stakeholders and deadlines.
- Strong analytical and problem-solving skills.
- Ability to develop hypotheses, analyse information, identify knowledge gaps and make technical recommendations;
- Ability to generate good team spirit and cooperate with colleagues from different cultural/professional backgrounds.