

Job Description for Professional Posts

Reference:NS2024/10

Position and Grade:	Associate Nuclear Security Officer (Detection), P2
Organizational Unit:	Nuclear Security Detection Architecture Unit Nuclear Security of Materials Outside of Regulatory Control Section Division of Nuclear Security
Duty Station:	Vienna
Type/Duration of Appointment:	FT – JPO, 1 year

Organizational Setting

The Department of Nuclear Safety and Security (NS) formulates and implements the IAEA's nuclear safety and security programme, which encompasses the Agency's activities to protect people and the environment from radiation exposure and responds to the needs of its Member States related to nuclear safety and nuclear security.

The Division of Nuclear Security (NSNS) is responsible for establishing, coordinating and implementing the IAEA's nuclear security programme to protect against, detect and respond to criminal acts or acts of nuclear terrorism and threats thereof. NSNS comprises four Sections:

- Nuclear Security of Materials Outside of Regulatory Control Section
- Nuclear Security of Materials and Facilities Section
- Information Management Section
- Programme Development and International Cooperation Section

The Nuclear Security of Materials Outside of Regulatory Control Section (MORC) is responsible, upon request, to assist States, for activities that assist States in establishing and maintaining nuclear security systems and measures for the prevention and detection of, and response to, nuclear and other radioactive material outside of regulatory control. These activities include developing nuclear security guidance that is consistent with the relevant binding and non-binding international instruments, as well as providing assistance, upon request, to States in implementing the nuclear security framework. In addition to the development of nuclear security guidance, the Section conducts the International Nuclear Security Security Advisory Service (INSServ) and expert missions, upon request, to help States to establish and maintain effective nuclear security regimes, provides training activities, develops methodologies, and assists in security upgrades relating to nuclear and radioactive material detection and response capabilities. The Section implements Coordinated Research Projects and technical meetings in the field of nuclear security of material out of regulatory control, assists Member States in the implementation of nuclear security measures to support Major Public Events, and organizes a large number of evaluation missions, training courses and workshops, and convenes technical meetings for methodology development.

The Nuclear Security Detection Architecture Unit is responsible for performing activities related to the detection of nuclear and other radioactive material, which is out of regulatory control, focusing on

supporting States to develop their national nuclear security detection architectures. The Unit supports States' efforts to establish strategies, design and implementation of detection operations, concepts of operation, evaluations and exercises, human resource development activities and sustainability strategies. The Unit has responsibility for the development and review of Nuclear Security Series publications dedicated to the detection of MORC and the development and implementation of training activities based on that guidance. The Unit also has responsibility for the NSNS Detection Equipment Laboratory.

Main Purpose

Under the supervision and guidance of the Senior Nuclear Security staff of the Section, the Associate Nuclear Security Officer (Detection) contributes to supporting Member States in developing, implementing and sustaining effective and efficient nuclear security detection architecture through, inter alia, Integrated Nuclear Security Support Plans (INSSP), in the area of detection architecture.

Role

The Associate Nuclear Security Officer (Detection) is (i) an analyst, identifying gaps and needs for development of national nuclear security detection architecture; (ii) a facilitator/coordinator working in close collaboration within the Division and with Member States to evaluate and prioritize their national detection capabilities; and (iii) a substantive contributor, drafting documents and presentations related to national security detection architecture.

Partnerships

The Associate Nuclear Security Officer (Detection) will work in partnership with other staff within the Division of Nuclear Security (INMA, MORTC and PDIC sections), to organize training courses and workshops focused on nuclear security detection capabilities.

Functions / Key Results Expected

- Analyse practices in the area of security detection architecture design and implementation (in the Member States) and provide recommendations for improvement.
- Contribute to development of national nuclear security detection architecture in Member States, mainly focusing on documents establishment, technical assessments and evaluations related to the implementation of detection programmes.
- Plan and organize trainings and workshops for an effective development of nuclear security detection capabilities in Member State national detection.
- Contribute to developing training materials and presenting them in Member States.

Competencies and Expertise (do not revise or edit)

Core Competencies		
Competence	Occupational Role	Behavioural Indicator
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.

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Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

Functional Competencies		
Competence	Occupational Role	Behavioural Indicator
Judgement/decision making	Associate	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen to and understand the perspectives of others and proposes solutions.
Partnership building	Associate	Develops and maintains partnerships needed for his/her work. Establishes and nurtures positive relations with partners and stakeholders.
Technical/scientific credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably applies knowledge of basic technical/scientific methods and concepts.

Expertise	
Expertise	Description
Material Out of Regulatory Control Detection Systems and Measures	Experience in radioactive material detection systems and measures.
Nuclear Security National Nuclear Security Regimes	Knowledge of Member State's Nuclear Security Regimes.
Training Training Facilitation	Experience in facilitation of training activities.

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Education, Experience and Language Skills

- University degree in Sciences or other relevant engineering field.
- Minimum two years of experience in drafting and/or review of national nuclear security detection architecture.
- Knowledge of the IAEA Nuclear Security Series publications.
- Experience at an international level desirable.
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.