Position:	Associate Nuclear Security Officer, Detection (JPO)
Grade:	P-2
Organizational Unit:	Nuclear Security of Materials Outside of Regulatory Control Division of Nuclear Security Department of Nuclear Safety and Security
Duty Station:	Vienna
Type/Duration of Appointment:	FTE, 1 year (with possible 1 year extension)

Organizational Setting

The Department of Nuclear Safety and Security formulates and implements the IAEA's Major Programme 3, "Nuclear Safety and Security", which encompasses the IAEA's activities to protect people and the environment from radiation exposure, and responds to the safety and security related needs of its Member States.

The Division of Nuclear Security is responsible for 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. It comprises four Sections: Programme Development and International Cooperation Section, Information Management Section, Nuclear Security of Materials and Facilities Section and Nuclear Security of Materials outside of Regulatory Control Section.

The Nuclear Security of Materials outside of Regulatory Control Section is responsible 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 legal instruments for dealing with nuclear and other radioactive material outside of regulatory control, 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 provides evaluation and assessment services and education and training activities, develops methodologies, coordinates research projects, conducts technical evaluations, and assists in security upgrades relating to nuclear and radioactive material detection and response capabilities. In so doing, the Section organizes a large number of evaluation missions, training courses and workshops and convenes technical meetings for methodology development.

Main Purpose

Under the supervision and guidance of a Senior Nuclear Security staff of the Section, the Associate Nuclear Security Officer, Detection (JPO) will help in support Member States in developing, implementing and sustaining effective and efficient nuclear security detection architecture through, inter alia, Integrated Nuclear Security Support Plans (INSSP), mainly focusing on technical support for coordinated research projects in the area of detection architecture. These will be achieved through assisting in the:

- Planning and organization for an effective nuclear security detection framework;
- Development of national nuclear security detection architecture;
- Evaluation and prioritization of national detection capabilities;
- Evaluation of detection instruments and specifications, and
- Technical assistance to the Coordinated Research Projects.

Role

The JPO will assist in implementing the Division of Nuclear Security programme on nuclear security detection architecture; through inter alia, Integrated Nuclear Security Support Plans (INSSP), mainly focusing on technical assistance to the Coordinated Research Projects.

Partnerships

The JPO will work in partnership with staff within the Division of Nuclear Security, and in the Departments of Nuclear Safety and Security and others as needed.

Functions / Key Results Expected

- To assist in planning and organization for an effective nuclear security detection architecture;
- To assist in the development of national nuclear security detection architecture, mainly focusing on technical support for coordinated research projects, guidance documents, and provision of support for detection program implementation;

Knowledge, Skills and Abilities

- Ability to demonstrate high ethical standards and support the IAEA values of professionalism, integrity and respect for gender and cultural diversity.
- Teamwork: Works collaboratively with colleagues and actively contributes to achieving team results.
- Communication: Understands the perspectives of others and communicates orally and in writing in a clear, concise and effective manner.
- Programme and Individual Performance: Uses initiative to clarify roles, priorities and results to be achieved.
- Ability to work effectively in a team and establish and maintain effective working relationships with sensitivity and respect for gender and cultural diversity.
- Understanding of nuclear security;
- Awareness of detection of and response to nuclear and other radioactive material out of regulatory control; including instrument alarms and information alerts;
- Proven ability to work in a multidisciplinary team;
- In-depth technical knowledge of radiation detection principles, instrument specifications, and detector capabilities
- Analytical skills;
- Results oriented;
- Skills in planning, evaluation and project implementation;
- Good interpersonal and communication skills.

Education, Experience and Language Skills

- University degree at graduate level (Master or PhD) in sciences or other relevant engineering field.
- At least two years of relevant experience in a national or international organisation.

Fluency in written and spoken English. Knowledge of another official IAEA language (Arabic, Chinese, French, Russian or Spanish) is an advantage.