

Job Description for Professional Posts

Reference: NS2025/19

Position and Grade:	Associate Nuclear Safety Officer (SAS), P2
Organizational Unit:	Safety Assessment Section Division of Nuclear Installation Safety
Duty Station:	Vienna, Austria
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 security.

The objective of the Division of Nuclear Installation Safety (NSNI) is to achieve and maintain a high level of safety of nuclear installations worldwide that are under design or construction or in operation. The Division does this by establishing standards of safety for the protection of health, including standards for nuclear power plants and other nuclear installations and facilities, and by providing for the application of these standards through, among other things, support for the IAEA's Technical Cooperation programme, the rendering of safety review services, the promotion of education and training, the fostering of information exchange and the coordination of research and development. In addition, the Division helps ensure safety at nuclear installations by promulgating international safety instruments such as the Convention on Nuclear Safety and the Code of Conduct on the Safety of Research Reactors. NSNI comprises five Sections:

- External Events Safety Section
- Operational Safety Section
- Safety Assessment Section
- Regulatory Activities Section
- Research Reactor Safety Section

The Safety Assessment Section (SAS) helps to improve the capability of Member States in carrying out effective safety assessments and enhancing the safety of nuclear installations. SAS does this by developing safety standards and guides for design and safety assessment; by promoting the use of advanced safety assessment methods and tools with enhanced integration of deterministic and probabilistic analyses and the use of risk-informed and performance-based safety approaches. The Section undertakes Technical Safety Reviews (TSRs) that can be tailored to the needs of requesting parties. The work of the Section covers existing, evolutionary and innovative reactors, including small modular reactors (SMRs), non-water-cooled reactors and fusion reactors.

Main Purpose

The Associate Nuclear Safety Officer (NSNI-SAS) provides analytical, scientific, engineering technical, or project support and assistance to the professional staff in the Safety Assessment Section and assists

them in carrying out their role and responsibilities, through: organizing inputs from experts, collating and preparing technical material for use in meetings for safety standards development, assisting in preparing technical presentations, technical meetings, consultant meetings and technical safety review services. The incumbent will work with international and multidisciplinary teams and will be expected to co-ordinate some of the sections activities with other sections. He/she will demonstrate his/her expertise by participating in the execution of programmes and projects.

Role

The Associate Nuclear Safety Officer (NSNI-SAS) is: (i) a team member, supporting the activities aimed at helping Member States to enhance nuclear safety in their installations and facilities; (ii) a technical assistant, supporting evaluation, development and implementation of technical cooperation and regular programme activities in the area of safety assessment for design and operation; (iii) an analyst, gathering, monitoring, evaluating, extracting, consolidating data from different sources and documentation available in-house and obtained from Member States for the purpose of providing scientific, engineering technical, and project managerial support to professional Section staff; (iv) a presenter of programmatic activities and developments.

Partnerships

The Associate Nuclear Safety Officer (SAS) consults with and provides assistant to the members of the Safety Assessment Section team according to approved work processes by ensuring that project schedules are met and by contributing survey, analyses and technical data to professional Section staff. She/he also exchanges information with members of the Section as well as outside experts for quality contributions to Safety Standards review and related technical documents development process and to ensure timely implementation of the programme and quality outputs. The incumbent will work with international and multidisciplinary teams and will be expected to co-ordinate some of the sections activities with other sections.

Functions / Key Results Expected

Provides analytical, scientific, engineering technical, and project support to the professional staff in the Safety Assessment Section, through:

- Organizing inputs from experts.
- Monitoring the implementation of tasks according to the project implementation plan.
- Developing and drafting technical material for use in meetings related to the safety standards revision and technical documents production, such as Technical Document on safety approaches for SMRs including the applicability of the Design Safety requirements for NPPs to SMRs.
- Assisting in preparing technical presentations.
- Preparing and organizing technical meetings, consultant meetings and technical safety review services.
- Providing expertise within the incumbents specific technical discipline by participating in the execution of programmes and projects.

Competencies and Expertise

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.
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	Consults with supervisor/manager and makes decisions in full compliance with the Agency's regulations and rules.
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.
Analytical thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.

Expertise	
Expertise	Description
Nuclear Safety Probabilistic Safety Assessment Methods, Techniques And Application	Previous involvement in PSA.
Management and Programme Analysis/ Project Management	Proven ability to plan and work within a logistical-technical project in close liaison with team leaders in an international environment.

Education, Experience and Language Skills

- University degree in a scientific or engineering discipline relevant to nuclear safety.
- Minimum two years of related experience, including project management and finance experience.
- Ability to work effectively in a team and establish and maintain effective working relationships with sensitivity and respect for gender and cultural diversity;
- Proven ability to independently draft concise and high quality written documentation based upon evaluation and analysis of technical material received from contracted experts, documentation available in-house or received from Member States for the purpose of reporting or presenting;
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.