

# Job Description for Professional Posts

**Reference:** NS2025/20

<b>Position and Grade:</b>	Associate Nuclear Safety Officer (PSA-AM), P2
<b>Organizational Unit:</b>	Safety Assessment Section Division of Nuclear Installation Safety
<b>Duty Station:</b>	Vienna, Austria
<b>Type/Duration of Appointment:</b>	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 safety and security related needs of its Member States.

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 (PSA-AM) provides analytical, scientific, engineering, technical, or project managerial support and assistance to the professional staff in the Safety Assessment Section and assists them in carrying out their roles 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 (PSA-AM) 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 areas of safety assessment and design safety; (iii) an analyst, gathering, monitoring, evaluating, extracting, and consolidating data from different sources for the purpose of providing scientific, engineering technical, and project managerial support; (vi) a presenter of programmatic activities and developments.

## **Partnerships**

The Associate Nuclear Safety Officer (PSA-AM) consults with and provides services 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 reviews and the 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**

- In close collaboration with the team, monitor the implementation of tasks according to the project implementation plan.
- Develop and draft technical material for use in meetings related to the safety standards revision and technical documents production, such as technical documents on Probabilistic Safety Assessment (PSA) or Accident Management (AM).
- Assist the team in preparing technical presentations as well as preparing and organizing technical meetings, or consultant meetings.
- Support the implementation of Technical Safety Reviews (TSRs) and the provision of assistance to IAEA MSs, in particular those embarking on new nuclear power programmes, for enhancing their safety assessment capabilities, in particular in the areas of PSA and AM.
- Organize inputs from experts.
- Provide expertise within the incumbent's specific technical discipline by participating in the execution of programmes and projects.

**RESTRICTED****Competencies and Expertise**

<b>Core Competencies</b>		
<b>Competence</b>	<b>Occupational Role</b>	<b>Behavioural Indicator</b>
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.

<b>Functional Competencies</b>		
<b>Competence</b>	<b>Occupational Role</b>	<b>Behavioural Indicator</b>
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.
<b>Expertise</b>		
<b>Expertise</b>	<b>Description</b>	
Management and Programme Analysis Analytical Writing Skills	Proven ability to independently draft concise and high-quality written documentation based upon evaluation and analysis of technical material for the purpose of reporting or presenting.	

**RESTRICTED**

Management and Programme Analysis Programme Management	Ability to analyse the needs of the programmes and translate them into workable solutions.
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.
Nuclear Safety Safety of Nuclear Power Reactors	Knowledge of the safety principles applied to the design of nuclear power plants and safety analysis methods.

## **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 experience.
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.