



Job Description Print Report

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Position Review

Position Number		Position Type	CFE/JPO	Subject to Radiation	No	Subject to GD	No
Hyperion Position Number		Fund Type	EBR	Parent Position	010193 Team Leader (Statistical Analysis) 6		
Organization	SGIM-Nuclear Fuel Cycle Analysis Section	FTE	1	CCOG 1	1M02		
Grade	P2	Duty Station	Vienna, Austria	CCOG 2			
Classified Grade		Position Title	Associate Data Evaluation Officer	Proposed New Title			
Master Version	1	Master Status	Approved	Approval Date	2020-01-17		
Position Version	3	Position Status	Approved	Approval Date	2020-01-17		

Job Description Review

Organization Settings

The Department of Safeguards is the organizational hub for the implementation of IAEA safeguards. The IAEA implements nuclear verification activities for some 180 States in accordance with their safeguards agreements. The safeguards activities are undertaken within a dynamic and technically challenging environment including advanced nuclear fuel cycle facilities and complemented by the political diversity of the countries.

The Department of Safeguards consists of six Divisions: three Operations Divisions: A, B and C, for the implementation of verification activities around the world; three Technical Divisions: Division of Concepts and Planning, Division of Information Management, and Division of Technical and Scientific Services; as well as three Offices: the Office for Verification in Iran, the Office of Safeguards Analytical Services and the Office of Information and Communication Services.

The main objective of the Department is to maintain and further develop an effective and efficient verification system in order to draw independent, impartial and timely safeguards conclusions, thus providing credible assurances to the international community that States are in compliance with their safeguards obligations. The departmental operating environment is interactive, participative and dynamic with continuous inputs received from the Board of Governors, the General Conference, policy- and decision-makers, as well as counterparts in Member States and in the international development community.

The Division of Information Management comprises four Sections and provides the Department of Safeguards with data processing services, secure information distribution, information analysis and knowledge generation necessary to draw independent, impartial and soundly based safeguards conclusions.

Main Purpose

As a team member reporting to the Team Leader, the Associate Data Evaluation Officer contributes to the design and development of methodologies by analysing, researching, monitoring and reporting on relevant safeguards data and methodologies, including sampling methodologies.

Role		
The Associate Data Evaluation Officer is: (a) an analyst, reviewing and evaluating State declared and inspectors' verification and sample analysis data; and (b) a researcher, testing and reporting on the results of evaluation methodologies.		
Partnership		
The Associate Data Evaluation Officer collaborates with staff members within the Section and staff in other Sections and Divisions in order to resolve inconsistencies in data, ensure adequate follow-up, clarify methodological and procedural aspects and, if necessary, deliver presentations.		
Functions / Key results Expected		
<ul style="list-style-type: none"> Contribute to the development and testing of methodologies for evaluating safeguards data, for example, environmental samples, sampling procedures, verification schemes, and the evaluation thereof in terms of quantifying detection probabilities and meeting technical objectives and verification goals. Prepare documents and calculations supporting environmental sampling, uncertainty quantification, material balance and nuclear material flow evaluations. Research and recommend analysis methodologies. Draft presentations and documents for conferences and training courses. 		
Competencies		
Core Competencies		
Competency	Occupational Role	Definition
Communication	Individual Contributor	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.
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		
Competency	Occupational Role	Definition
Analytical thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.
Commitment to continuous process improvement	Associate	Identifies opportunities for process, system and structural improvement as well as improving current practices, increasing effectiveness and achieving efficiency gains. Actively supports the application of sound quality management standards and process improvement.
Judgement/decision making	Associate	Consults with supervisor/manager and makes decisions in full compliance with the Agency's regulations and rules.

Expertise		
Expertise	Description	Asset
Information Technology Computer Programming	Experience in statistical/mathematical software programming.	Y
Safeguards Environmental Samples Results Evaluation	Experience of particle and bulk environmental sampling methodologies.	Y
Safeguards Uncertainty Quantification	Experience in quantifying uncertainties of NDA and DA verification measurements.	Y
Statistics Advanced Statistical Methods	Experience of statistical methods applied in analysing safeguards data.	Y
Languages		
Languages	Asset Languages	
English	Arabic Chinese French Russian Spanish	
Qualification		
Qualification Title	Description	
Bachelor's Degree	University degree in mathematics, statistics, physics, chemistry, engineering or a related field.	
Experience		
<ul style="list-style-type: none"> • Minimum of two years of relevant experience, with at least one year of experience in the statistical analysis of measurement data or environmental sample evaluations. • Demonstrated ability to prepare report abstracts and draft summary documents. 		