



Job Description Print Report

Print Date: 2023-02-12 17:00:30

Position Review

Position Number		Position Type	CFE/JPO	Subject to Radiation	No	Subject to GD	No
Hyperion Position Number		Fund Type	EBR	Parent Position	007416 Section Head (SGIM-ISI)		
Organization	SGIM-State Infrastructure Analysis Section	FTE	1	CCOG 1	1J07		
Grade	P2	Duty Station	Vienna, Austria	CCOG 2			
Classified Grade		Position Title	Associate Geospatial Analyst	Proposed New Title			
Master Version		Master Status		Approval Date			
Position Version		Position Status		Approval Date			

Job Description Review

Organization Settings

The Department of Safeguards carries out the IAEA's duties and responsibilities as the world's nuclear inspectorate, supporting global efforts to stop the spread of nuclear weapons. The primary role of the Department is to develop and implement IAEA safeguards to ensure that there is no diversion of declared nuclear material from peaceful activities and no indications of undeclared nuclear material or activities in a State as a whole.

The Department comprises nuclear safeguards inspectors, responsible for carrying out inspections and verifications of all-safeguards relevant information for nuclear facilities in over 180 States; and technical staff responsible for a wide range of activities including: developing concepts and approaches for implementing safeguards; developing and maintaining safeguards equipment; providing analytical and laboratory services for sample analysis; collecting, evaluating and analysing safeguards-relevant information; providing information and communication technology infrastructure and services; and providing programme coordination support.

The Division of Information Management (SGIM) implements state of the art methodologies and techniques for the collection, processing and analysis of a range of safeguards-relevant information, including declarations submitted by States, evaluations resulting from the analysis of samples or measurements collected during infield activities, and information from open sources, including nuclear trade-related data and satellite imagery. Staff perform data validation and complex information analysis and evaluation to support infield activities and provide key input to the State evaluation process.

Main Purpose

Reporting to the Section Head, the Associate Geospatial Analyst utilizes and further develops experience in geospatial information management and the creation of associated analytical products. In particular, the Associate Geospatial Analyst collects, pre-processes, stores, integrates and disseminates all types of geospatial data, including satellite imagery, related to the analysis of nuclear sites and infrastructure in order to ascertain any indications of undeclared nuclear activities. From this analysis, the Associate Geospatial Analyst prepares input for analytical reports which will be used by the Department of Safeguards in its State Evaluation Groups. In view of the continuous advances in geospatial technologies, this role involves interesting and varied processing and analysis with the possibility to develop skills, combined with opportunities to contribute to continuous improvement initiatives for data quality and data integration.

Role		
<p>The Associate Geospatial Analyst is: 1) a contributor to in-house geospatial activities, collecting, preparing and ensuring the quality of all geospatial deliveries; 2) an analyst, conducting and reviewing analysis based on geospatial data and its integration with other information; and 3) a team player, contributing to projects and initiatives within the Section and Division.</p>		
Partnership		
<p>The Associate Geospatial Analyst works primarily with staff members within the Section to develop geospatial data collection strategies, pre-processing techniques, and analytical inputs. The Associate Geospatial Analyst also develops partnerships with staff in other Sections and Divisions, including participants in State Evaluation Groups for the States for which geospatial data is collected and analysed.</p>		
Functions / Key results Expected		
<ul style="list-style-type: none"> • Collaborating with Section staff in the collection, processing, analysis and dissemination of all types of geospatial information. • Contributing to analyses to ascertain any indications of undeclared nuclear material or activities and collaborating with colleagues to identify recommended follow-up actions. • Supporting the State evaluation process and infield verification activities by providing relevant geospatial information through geospatial products and services. • Performing quality control on geospatial information and supporting the identification and implementation of geospatial techniques to further enhance the process of analytical reports creation. • Contributing to continuous improvement initiatives to improve data quality and data integration processes. • Supporting Imagery Analysts in compiling the results of analysis into research reports, documents, and other analytical products. • Participating in meetings to brief recipients on the results of geospatial analysis. 		
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. Considers potential changes and proposes contingency plans.

Functional Competencies		
Competency	Occupational Role	Definition
Judgement/decision making	Associate	Consults with supervisor/manager and makes decisions in full compliance with the Agency's regulations and rules.
Resilience	Associate	Able to remain calm in emotionally charged situations. Accepts constructive feedback in a positive manner and is able to cope with setbacks.
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	Asset
Management and Programme Analysis Information Collection and Analysis	Capability to integrate information from a variety of sources and a demonstrated ability to analyze and disseminate geospatial products.	N
Information Management Geographic Information System	Knowledge of GIS, collection and evaluation of geospatial information, and production of various geospatial products.	N
Asset Expertise	Description	Asset
Safeguards Safeguards System, Basic	Understanding of geographical and technical imagery indicators associated with the nuclear fuel cycle.	Y
Languages		
Languages	Asset Languages	
English	Arabic Chinese French Russian Spanish	
Qualification		
Qualification Title	Description	
Bachelor's Degree	University degree in GIS, geography, information technology or a related field.	
Experience		
<ul style="list-style-type: none"> • Minimum of two years of experience with commercial, industry-standard software for GIS analysis, for example, ESRI ArcGIS Pro, ArcGIS Enterprise, ArcGIS Online, ArcGIS Server. • Experience in geospatial information management and the creation of products based on geospatial information. • Experience in analytical techniques, including preparing reports and communications on technical subjects. 		