



Job Description Print Report

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Position Review

Position Number	190625	Position Type	CFE/JPO	Subject to Radiation	No	Subject to GD	No
Hyperion Position Number	R0129	Fund Type	EBR	Parent Position	018049 Team Leader (SGTS-TEF) 8		
Organization	SGTS-Technology Engineering and Foresight Team	FTE	1	CCOG 1	1A05B		
Grade	P2	Duty Station	Vienna, Austria	CCOG 2			
Classified Grade		Position Title	Associate Project Engineer	Proposed New Title			
Master Version	3	Master Status	Approved	Approval Date			
Position Version	1	Position Status	Approved	Approval Date	02-FEB-22		

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 Technical and Scientific Services ensures the provision of state-of-the-art equipment and related expertise for the accomplishment of the Department of Safeguards activities. Within this mandate, the Division is responsible for procurement, testing, provision, inventory control, performance monitoring and maintenance of safeguards equipment and supplies required by SGO Divisions; management of equipment development and engineering activities to meet quality and safeguards requirements; development and provision of documentation, procedures, instrumentation methods and techniques; provision of specialized technical and scientific support to inspectors and inspection activities in the field and at headquarters; and, radiation contamination monitoring of returned equipment and timely write-off of obsolete or contaminated equipment. The Division also coordinates departmental health and safety activities.

Main Purpose

Reporting to the Team Leader, the Associate Project Engineer provides support for the timely execution of divisional projects assigned to the Technology Engineering and Foresight Team.

Role

The Associate Project Engineer is: (1) a technical contributor supporting the design of technical solutions to be implemented in the framework of divisional projects, (2) a project management contributor supporting initiating, planning, executing and controlling the execution of agreed projects and tasks, and (3) a technical writer drafting and/or reviewing technical documentation associated to safeguards equipment.		
Partnership		
The Associate Project Engineer works with the Technology Engineering and Foresight Team on requirement verification, validation, integration and testing related to the tasks performed by this team. The incumbent coordinates his/her work with other teams of the Section and Division, and with other Divisions within the Department of Safeguards.		
Functions / Key results Expected		
The Associate Project Engineer will: - In close collaboration with the team, plan and coordinate technical activities on assigned projects; - Act as a substantive contributor in the drafting and editing of technical documentation (e.g. test procedures, user reference manuals) related to specific projects; - Maintain detailed records of all work performed; - Ensure effective communication and coordination on assigned projects between all project participants.		
Generic JD Remarks		
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
Client orientation	Associate	Establishes effective relationships with clients to understand and meet or exceed their needs. Finds ways to ensure client satisfaction.
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.
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
Nuclear Engineering Project Management		Knowledge supported by education and/or by professional experience in the management of projects, preferably involving nuclear instrumentation.	Y
Other Technical Engineering Mechanical Engineering		Familiarity with mechanical engineering or associated technologies such as Computer Assisted Design (CAD) tools.	Y
Physics Nuclear Instrumentation		Knowledge supported by education and/or by professional experience in the development, design, production or use of instrumentation, preferably in the radiation detection area.	N
Position Specific FC	Occupational Role	Definition	
Position Specific Expertise	Description		Asset
Languages			
Languages		Asset Languages	
English		Arabic Chinese French Russian Spanish	
Qualification			
Qualification Title	Description		
Bachelor's Degree	University degree in in a technical discipline (pref. Engineering or Physics)		
Experience			
At least two years of professional experience, in the area of development, testing and/or implementation of radiation detection or monitoring, video surveillance or sealing. Experience in System Integration would be beneficial. Experience in the development of software applications using modern programming languages (e.g. Python, C++) would be beneficial. Experience in developing, refining, and revising specifications and test procedures for equipment would be beneficial.			
Job Description Remarks			

Requisition							
Contract Type	Fixed Term - JPO	Expected Start Date	01-JAN-23	Duration	24	Mobility	No
Fully Competitive Recruitment		No	Travel	No			
Approval History							
Seq.	Name	Category				Status	Date
0	Franklin-Rauter, Sara	Initiate				Saved	2022-02-02 16:16:02
1	Monteith, Marie Elizabeth	For Your Information				Notified	2022-02-02 16:16:25
2	Plenteda, Romano	Approver				Approved	2022-02-02 16:19:16
3	Lebrun, Alain Robert	Approver				Approved	2022-02-02 16:31:30
5	Sabat, Rula	Approver				Approved	2022-02-02 16:36:49