

Job Description Print Report

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Position Review	N						
Position Number		Position Type	CFE/JPO	Subject to Radiation	Yes	Subject to GD	No
Hyperion Position Number		Fund Type	EBR	Parent Position	007526 Section Head (SGTS-TUS)	6	
Organization	SGTS-TUS Surveillance Team	FTE	1	CCOG 1			
Grade	P2	Duty Station	Vienna, Austria	CCOG 2			
Classified Grade		Position Title		Proposed New Title	Associate Surveillance Systems Eng	gineer	
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Job Description	n Review						
Organization Se							
The Department of Safeguards (SG) 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 Division of Technical and Scientific Services (SGTS) is the departmental branch for nuclear and other measurement systems applied in verification activities, containment and surveillance techniques and all verification logistics. Within the Department of Safeguards, the Division of Technical Support is responsible for the development and implementation of the Department's equipment systems. The Section for Unattended Systems (TUS) is responsible for the full development, assembly, testing, implementation and maintenance cycle of all measurement and surveillance systems to be permanently installed and operating in unattended mode at nuclear facilities worldwide. The Section is comprised of two specialized teams (technical units): Surveillance and Unattended Monitoring Systems.							
Main Purpose							
Under the guidance and supervision of the Team Leader, the section's senior Surveillance Systems Engineer and Machine Vision (MV) and Artificial Intelligence (AI) expert, the JPO will contribute to the Surveillance Team's efforts in improving efficiency of the Safeguards Surveillance data review.							
Role							
As an active member of the team, the Associate Surveillance Systems Engineer is: (1) a technical professional, assisting in the efficient and effective implementation of advanced surveillance review technologies; (2) an implementer, installing and verifying surveillance systems and techniques; and (3) a technical writer, drafting and updating reports.							
Partnership							

The Associate Surveillance Systems Engineer establishes relationships with staff throughout the IAEA to support the evaluation, testing and implementation of enhanced surveillance review techniques and with other departmental specialists and customers to consult and coordinate as required. Furthermore, she/he liaises with R&D laboratories/organizations and commercial partners on assessments and qualification of related tools and technologies.

Functions / Key results Expected

Specifically, the post holder will:

Perform classification of selected Safeguards Surveillance imagery with the goal of accelerating on-going development of improved Safeguard Surveillance data review methods.

Perform testing of enhanced surveillance review tools and methods and perform testing of their implementation on the Next Generation Surveillance Review (NGSR) software platform.

Provide technical support and assistance to the Operations Divisions in the Department of Safeguards regarding the operation of such improved methods in NGSR. Write evaluation and test plans and related test reports.

Generic JD Remarks

Competencies

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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 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	Behavioural Indicator
Change Management	Associate	Demonstrates openness to new situations. Contributes with ideas and innovative approaches to enhance
		work processes and procedures.
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.

Expertise		
Expertise	Description	Asset

Safeguards Containment and Surveilland	ce Knowledge	e in video data pro	cessing			Y
Safeguards Industrial Safety and Hazard Materials		wledge of safety re		; in a laboratory		Y
	·					
Position Specific Expertise	Descriptio	n				Asset
Languages						
Languages			Asset Language	S		
English		Arabic Chinese French Russian Spanish German				
Qualification						
Qualification Title	Descrip	Description				
Bachelor's Degree			electronics or com	puter engineering or relate	ed science	
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Experience						
At least two years' relevant experience i Experience in or knowledge of the latest video surveillance systems applications is Experience in the technical managemen Adherence to principles and values: A hi Strong interpersonal skills to establish a harmoniously in a multicultural/multidis	methodologies for real s desirable. t of projects is desirable igh standard of integrity and maintain good relati	-time video analysis e. 7, fairness and trans ionships with intern	and post-processin parency to ensure a al and external (des	ng, as well as experience in r nd promote a work environ rigners, manufacturers and	ment based on mutual respect	and trust.
Job Description Remarks						
Requisition						
•	Expected Start Date		Duration	Mobility		
	Expected Start Date	Travel	Duration	Mobility		