

TRAINEE INDUSTRIAL RADIOGRAPHER (TIR) PRACTICAL ASSESSMENT

X-RAY RADIOGRAPHY

Candidate:		(Print full name and include signature)	ID:				
SPBNDT Affiliate No:			RT Level 3 Assessme				
1.	Radiation Protection	(6 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations	
	Has Direct reading dosimeter (DRD) licensed dosimetry service, and radi	, audible dosimeter, dosimeter issued by ation survey meter in possession					
Turned on alarming dosimeter and s		survey meter before starting				As per Directorate Radiation Control (DRC	
	Ensure power level of batteries are s					Regulations the IR must show that they are	
Equipment checked for valid calibrati		tion dates				knowledgeable of and have the ability to	
	DRD was zeroed prior to start or ens				properly operate all instruments and equipment		
	Continuity/Function check for radiation	on detection equipment				1	
2.	Inventory Control	(4 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations	
	Proper survey and recording for of d measured at a distance of one mete	ose equivalent rate from leakage radiation r from the focus.					
	Use of all required daily records requ	uired by Authority Holder					
3.	Prepare Work Area	Pass (√)	Fail (x)	Assessor Initials	Expectations		
	Initiates Job hazard assessment of v						
Broken or deficient equipment is quarantined (may be done orally)							
		osts sufficient # of signs and barriers to prevent entry into area				Demonstrate safety and security when	
	Evacuate persons from the controlle				preparing work area		
	All equipment has been safely place						
4.	Use of Equipment		Pass (√)	Fail (x)	Assessor Initials	Expectations	
	Use of survey meter during equipment assembly for operation						
Equipment checks prior to operation					The Trainee Industrial Radiographer (TIR)		
		ectly during warm up procedure				must demonstrate a good basic	
	 Diaphragms fitted as necessa 					understanding of the devices used.	
	Correct length of extension ca				They would be able to take a count		
	 Control panel is positioned co 					They must be able to take accurate	
	 A key is used to activate the c 	control panel				radiation measurements during setup and	

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			conduct all the necessary equipment		
			checks.		
			Fall or to see I still on a see the Laborator		
			Failure to conduct these required checks		
			could result in a serious unplanned event.		
Pass (√)	Fail (x)	Assessor Initials	Expectations		
			This is the most important part of the work		
			process. The TIR must demonstrate proper		
			control of the high-risk source and device		
			to ensure safety and security at all times.		
			Demonstration of barrier calculations and		
			erection of the barrier is necessary.		
Pass (√)	Fail (x)	Assessor Initials	Expectations		
			The TIR must show how to secure the		
			device and verify the safety of the worksite		
			in the proper order.		
Pass (√)	Fail (x)	Assessor Initials	Expectations		
			Maintaining accurate records is a		
			regulatory requirement. The TIR must		
			show proper recording of all radiation		
			readings as well as the results of equipment checks.		
Pass (√)	Fail (x)	Assessor Initials	Expectations		
			The TIR must explain how to identify		
			different emergency or dangerous		
			occurrences and describe the process for mitigation.		
		Pass (√) Fail (x) Pass (√) Fail (x)	Pass (√) Fail (x) Assessor Initials Pass (√) Fail (x) Assessor Initials Pass (√) Fail (x) Assessor Initials		

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9. Transportation	(if applicat	ole)	(5 Points	3)	Pass (√)	Fail (x)	Assessor Initials		Expectations	
Verifies the device is locked and secured										
All requirements	for the app	ropriate shippi	ing documer	t have been met				The TIR must show knowledge of transp		
Type A or Type B package requirements are met.								requirements including all package,		
Proper labelling	/placarding v	with the radiati	ion symbol, L	N#, contact information.				signage and security measures		
Properly placed	within the vo	ehicle for trans	sport.							
10.Security		(2 Points)			Pass (√)	Fail (x)	Assessor Initials	Expectations		
				ughout operations						
Verifies that when not in use the device was locked and secured.										
Result										
Allocated 1 point for every √ Total Score (out of XX points)							÷ XX x 100 =	=	%	
Result (≥ 90%is required)						Fail				
				Authorized A	Assessor					
Assessors Name (Print)			Title	SPBNDT	RT Level 3 N	lo.				
Company Name			Tel.	Email						
Assessors Signature			Tel.	Date						
Candidates Signature			Tel.	Date						
(Circle one) Yes Candidate has demonstrated the skills and attitude to safely operate a x-ray system.										
No Candidate does not demonstrate the skills and attitude to safely operate a x-ray system.										
Remedial Practical Instructions:										

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