

Candidate: (Print full name and include signature)		ID:					
SPBND	SPBNDT Affiliate No:		RT Level 3 providing Assessment				
1. Radia	ation Protection	(6 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations	
	Direct reading dosimeter, aud netry service, and radiation s	lible dosimeter, dosimeter issued by licensed urvey meter in possession					
Turne	Turned on alarming dosimeter and survey meter before starting					As per Directorate Radiation Control (DRC) Regulations the IR must show that they are	
Ensu	Ensure power level of batteries are sufficient for operation  Equipment checked for valid calibration dates					knowledgeable of and have the ability to properly operate all instruments and	
Equip						equipment	
DRD was zeroed prior to start or en range		ensure a minimum of 2 mSv (200 mR) total dose					
Conti	Continuity/Function check for radiation detection equipment						
2. Inver	ntory Control	(4 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations	
Prope	er sign out of the exposure de	evice					
	Proper survey and recording for surface dose rates on the exposure device. «2 mSv/hr)					Demonstrate the importance of accurate documentation control and record keeping	
Use o	Use of all required daily records required by Authority Holder						
Ensu	re that emergency equipmen	t is available and in working condition					
3. Prepa	are Work Area	(5 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations	
	tes Job hazard assessment o						
	Broken or deficient equipment is quarantined (may be done orally)						
Posts	s sufficient # of signs and bar	riers to prevent entry into area				Demonstrate safety and security when	
	uate persons from the contro					preparing work area	
All ed	All equipment has been safely placed to prevent any incidents					7	

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4. Device (Choose 1 or both Device Type) (11 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations
Cable Drive Device	1			
Use of survey meter during equipment assembly for operation				
Equipment checks prior to operation				
Device checks - Company contact labels (name/phone #), source radiation				
label, fasteners, shipping plug/safety, and cover protective covers.				
Remote control checks- handle, fittings, protective covers and inspect the				
length for cuts, dents, or damage				
Remote control drive cable checks - free movement, flex test, visual check				
for fraying, kinks, or corrosion				The Traines Indicated Dadie grapher (TID)
Head hose/guide tube - Checks fittings, connectors, threads, source stop				The Trainee Industrial Radiographer (TIR) must demonstrate a good basic
and length of conduit for dents, cuts, damage or debris that may affect safe				understanding of the devices used.
operation				understanding of the devices used.
Source assembly (go/no go gauge-if applicable				
Collimator and/or effective use of shielding used				
Demonstrates ability to connect the remote controls, the guide tube, collimator and				They must be able to take accurate
device together to prepare for an operation.				radiation measurements during setup and
Knowledge of use of transportation over pack and use				conduct all the necessary equipment
Knowledge of emergency equipment requirements  (11 Paints)				checks.
Pneumatically Operated Device (11 Points)				
Use of survey meter during equipment assembly for operation				
Equipment checks prior to operation			Failure to conduct these required checks	
Device checks - Company contact labels (name/phone #), source radiation  label, feeteners, shipping plug/sefety, and sever pretective several.				could result in a serious unplanned event.
<ul> <li>label, fasteners, shipping plug/safety, and cover protective covers.</li> <li>Checks on controls/pump - free movement, drive cable visual check for</li> </ul>				
fraying, kinks, damage, handle, fittings, dummy source movement, screws,				
cuts, dents, brake, protective covers, pump leakage, cuts				
Push/pull length & flex test				
Spring length (end coiled over) & kinks				
Guide tube - cuts, protective covers, dents, threads, source stop connection				
Collimator and/or shielding used				
Demonstrates ability to connect the pump, the head hose, collimator				
and device together in the correct order to prepare for an operation.				
Knowledge of emergency equipment requirements				
Shipping plug/safety cover, device lock				
Shipping plug/salety cover, device lock				

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5. Operation (10 Points)	Pass (√)	Fail	Assessor	Expectations
o. Operation (101 onits)	1 433 ( 1)	(x)	Initials	Expediations
Proper use of survey meter		()		
Unlock and safely connect the exposure device and associated equipment in the	This is the most important part of the work process. The TIR must demonstrate proper			
correct order according to the manufacturer's specification.				
Exposing the source				
Verify barrier dose rates and radiation warning sign positions on first exposure				control of the high-risk source and device
using the survey meter	to ensure safety and security at all times.			
Retract source				Demonstration of barrier calculations and
Observation of survey meter and alarming dosimeter during source movement				erection of the barrier is necessary.
Observation of proper operation and location of source position indicator (cable				
drive only)				
After each attempt to move the sealed source assembly to the shielded position				
within the exposure device, use a radiation survey meter to ensure that the source				
assembly has returned to the safe shielded position				
Verify that operational procedures are followed				
Implementation of ALARA and basic radiation protection principles	,			
6. Post Exposure (8 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations
Survey post exposure		. ,		
Ensure the safety lock indicates that the source is locked and in safe position (may				7
not be applicable for some devices)				The TIR must show how to secure the device and verify the safety of the worksite
Disassemble the equipment in the correct order according to the manufacturer's				
specifications				in the proper order.
Install retaining plug and/or port cover/cap				
Secure and lock the exposure device, properly store with protective covers and				-
caps				
Final site survey sweep				
Removal of posted radiation warning signs and barriers				1
Sign exposure device back in to secure storage area				1



7. Record Keeping (6 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations
Documented sign out device (dates/locations of use)	Maintaining accurate records is a regulatory requirement. The TIR must show proper recording of all radiation			
Documented survey reading on surface of device				
Documented all equipment checks required by Authority Holder				readings as well as the results of
PAR - push/pull length & flex test, spring length (end coiled over) & kinks				equipment checks.
DRD readings				
Trainee supervisor consent form				
8. Emergency Preparedness oral examination)(6 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations
Recognize an emergency situation				
Knowledge of required emergency equipment and location	The TIR must explain how to identify different emergency or dangerous			
Knowledge of location emergency procedures				occurrences and describe the process for mitigation.
Knowledge of initial emergency steps				
Proper use of Long Handled Tongs and shielding material				-
Knowledge of correct contact information				
9. Transportation (if applicable) (5 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations
Verifies the device is locked and secured				
All requirements for the appropriate shipping document have been met	The TIR must show knowledge of transport			
Type A or Type B package requirements are met.				requirements including all package, signage and security measures
Proper labelling/placarding with the radiation symbol, UN#, contact information.				
Properly placed within the vehicle for transport.				

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10.Security		2 Points)	Pass (√)	Fail (x)	Assessor Initials	Expectations
Candidate was in	control of device at all times	hroughout operations				
		cked and secured inside two (2)				
		nediate response to an alarm in the				
event of an attem		·				
Allocated 1 point for every √ Total Score (out of XX points)  Total Score with Transportation (out of XX points)  Result (Passing is ≥ 90%)				÷ XX x 100 =  ÷ XX x 100 =  Fail		%
						%
						(Circle one)
		Authorized	Assessor			
Assessors Name (Print)	Title	SPBNDT	RT Level 3 N	No.		
Company Name	Tel.	Email				
Assessors	Tel.	Date				
Signature						
Candidates Signature	Tel.	Date				
(Circle one)				II.		
Yes	Candidate has demonstra	ted the skills and attitude to safely o	perate an exp	oosure dev	ice.	
No	Candidate does not demo	nstrate the skills and attitude to safe	ely operate an	exposure	device.	
Remedial Practical Ir	estructions:					
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