Reference No.

SELF-ASSESSMENT GUIDE

Qualification	ASSISTIVE (ORTHOTICS	REHABILITATION) NC II	TECHNOLOGY	SERV	ICES	
Units of Competency Covered	 Fabricate a Fabricate a Fabricate a Fabricate a Fabricate a Perform ba 	ositive mold from a negation foot orthosis an ankle-foot orthosis a knee-ankle-foot orthosis a wrist-hand orthosis a customized plastic thesis repair and/or replant	osis oraco-lumbo-sacral cement of the ortho	tic devi	ices	
Instruction: Read each question and check the appropriate column to indicate your answer.						
Can I?				YES	NO	
CREATE A POSITI	VE MOLD FRO	M A NEGATIVE CAS	Γ			
with documentati	on procedures	specifications of device	,			
 Prepare negative cast according to standard procedures * Mix water and plaster of Paris powder according to prescribed ratio 						
•	•	<u> </u>				
Pour plaster mix to the negative cast while observing correct mandrel alignment *						
Mount positive cast in bench vise *						
Strip negative cast from positive mold, following standard procedures *						
procedures *		king and alignment, f				
 Clean work area shelves 	a and tools; st	ore tools and positive	e cast on allotted			
standards *	·	erforming tasks in acc				
		IC DEVICE (foot, ank		e-foot, v	wrist-	
·		o-lumbo-sacral ortho	SIS)			
A. Preparations fo						
_	•	s (specifications) on umentation procedures	• •			
 Identify tools and supplies to be requested based on prescriptions/specifications on types of orthotic device for fabrication* 						
Check availabili	ty of tools and s	supplies/materials				
	equired pressur	ty of equipment and re (pounds per squai				

•	Prepare thermoforming plastics and foam materials, according to prescribed dimensions of an orthotic device for fabrication	
•	Prepare positive cast for thermoforming procedure by checking if the	
	orthotic device is free of bumps and sharp edges, in accordance with standard procedure *	
•	Secure position of positive cast in the vacuum pipe in accordance with thermoforming preparation procedure	
В.	Thermoforming	
•	Prepare oven and materials for cooking the thermoform soft liner into the orthosis positive mold	
•	Cook soft liner materials of an foot orthosis for fabrication, according to prescribed time and temperature and following standard procedure	
•	Mold cooked liner of a foot orthosis for fabrication, to follow positive cast shape, through use of bandage or vacuum form	
•	Cook thermoform plastic of an orthosis for fabrication, according to prescribed time and temperature and following standard procedure	
•	Mold cooked thermoform plastic of an orthosis for fabrication, to follow positive cast shape, through use of vacuum form	
C.	Metal/Side Bar Bending for knee-ankle-foot orthosis	
•	Determine the orthotic knee joint upright clearance from the knee-ankle- foot orthotic shell according to prescribed knee joint clearance	
•	Align the orthotic knee joint upright parallel to each other in all planes following the prescribed alignment	
•	Perform anterior/posterior metal bending of orthotic knee joint according to standard procedure	
•	Perform metal bending of orthotic knee joint upright following the shape of orthotic shell, according to standard procedure	
•	Attach the orthotic upright knee joint to the orthotic shell following the prescription and standard procedure	
D.	Trimming and smoothing hard and plastic components	
	Operate cutting and grinding tool and equipment safely, following manufacturer's manual *	
	Cut hard and plastic components of an orthosis, according to prescribed trim lines*	
•	Remove the plaster inside the shell, following standard procedure	
	Grind and smoothen sockets of an orthosis, according to prescribed trimlines *	
•	Create straps according to patient measurements *	
E.	Post-fabrication Activities	
•	Label fabricated orthosis, following device safe procedure	
•	Store fabricated orthosis, in safe and secure environment *	

PERFORM BASIC REPAIR AND/OR REPLACEMENT OF THE ORTHOTIC DEVICES					
Verify orthotic device's condition if it needs repair, replacement or report to orthotist	referral				
 Record orthotic device for repair, replacement following establishment of the state of the state	blished				
 Identify tools, supplies and materials needed for repair or replace based on latest prescription 	cement				
Check availability of tools and supplies/materials					
Prepare tools and materials in the workshop					
 Perform repairs or replacement of orthotic device according to sta procedure and prescription * 					
 Check safety and functionality of orthotic device following ir procedures * 	ndustry				
Solicit feedback from patient					
 Identify information that needs to be recorded for orthotic device for established documentation procedure 					
PERFORM GOOD HOUSEKEEPING (CLEANS TOOLS AND VAREA) AND TURNS OFF MACHINES USED IN FABRICATION					
PRACTICE SAFETY AND HEALTH PRECAUTIONS IN PERFORMAL TASKS IN ACCORDANCE WITH OCCUPATIONAL SAFETY HEALTH (OSH) STANDARDS *					
I agree to undertake assessment with the knowledge that information be used for professional development purposes and can only be acces assessment personnel and my manager/supervisor.					
Candidate's Name and Signature					

NOTE: *Critical aspects of competency