

Work II	WO No.						
			Date:				
Scope:							
Team Leader:		Point Machine Type					
Activity:		Points Electric Machine Like for Like Renewal					
Reference	ə:	PR S 40010, PR S 40011					
Activity No.	Task No.	Work Description		Completed Name/Sign			
		APPARATUS INSPECTION & PREPARATION					
1	1A	Ensure the new machine is of correct configuration. Inspect equip configuration, including EOL/ESML wardings, gauge plates and p are in accordance with the specific design and compare to the ex					
	1B	Bell test and wire/null count internal wiring (essentially the detect machine compare to the specific circuit design and existing mach correlation of connected links and bridges to the circuit book. Visi insulation test the internal wiring.					
2	2A	Confirm the Normal position of points.					
	2B	On the existing machine, wire/null count the incoming terminals, i links and identify tail cable core numbers on the terminals and co circuit diagram.					
	2C	Document the disconnections on attached circuit diagram.					
	2D	Conduct an apparatus inspection of the condition of the existing point fixings, rodding, tie plates and insulation.					
		SAFEWORKING & DISCONNECTION FROM INTERLOCKING					
3	ЗA	Ensure affected signalling apparatus is booked out of use in accordation 40008. Obtain authorisation for any temporary bridging in accordate 40002 as necessary.					
	3B	Disconnect the affected signalling apparatus and clip & lock point PR S 40009 – Disconnection of Signalling Apparatus.	s in accordance with				
	3C	If applicable, apply temporary bridging in accordance with PR S 4					
		Test bridging and any contacts remaining in circuit as functional. DISCONNECTION, REMOVAL AND INSTALLATION					
4	4A						
	4A 4B	Open links in location for points tail cable(s). Disconnect cable(s) in point machine, protect ends and withdraw	clear				
	4D 4C	Disconnect rodding, drives and mounting bolts and remove point					
5	5A	Install new point machine, drives and fortress lock and/or gauge plate and connect all securing nuts, bolts and rodding. Lubricate to ensure reliable operation.					
6	6A	Inspect the cable(s) for any signs of damage. Conduct an insulati cable(s) and record on circuit diagrams.					
	6B	Connect all cables in accordance with previously correlated circu					
		ADJUSTMENT					
7	7A	Make any adjustments necessary to machine drive(s), Facing Po and clutch to enable points to be operational.	int Lock, detection				
	7B	Following adjustment conduct a safety, security and reliability ins split pins, locking tabs and keeper plates.	pection of the fixings,				
	7C	Conduct power test of points operation Normal – Reverse – Norn opening both sides. Adjust if required.	nal – check switch				

Activity No.	Task No.	Work Description				Completed Name/Sign	
		CERTIFICATION					
8	8A	Wire count all termin links to be counted a					
9	9A	Ensure EOL/ESML					
10	10A	Close all associated applicable).					
11	11A	Conduct a Points Correspondence Test Normal - Operate points to the Normal position and open each contact in the Normal detection circuit in turn and ensure Normal detection is lost and restored. Remove and replace EOL/ESML and ensure Normal detection is lost and restored. Each contact# tested during the correspondence test shall be observed to "open" when the points are operated to the Reverse position. #denotes not required for encapsulated contacts which are back-proved in the opposite position.					
	11B	Conduct a Points Correspondence Test Reverse - Operate points to the Reverse position and open each contact in the Reverse detection circuit in turn and ensure Reverse detection is lost and restored. Remove and replace EOL/ESML and ensure Reverse detection is lost and restored. Each contact# tested during the correspondence test shall be observed to "open" when the points are operated to the Normal position. #denotes not required for encapsulated contacts which are back-proved in the opposite position.					
	11C	Conduct an Out of Correspondence test of the following combinations and ensure no detection. Note: The following combinations only apply for an existing double-ended layout. A Signal Engineer shall be consulted if the layout consists of more than two ends.					
		Operate points to Normal (both ends Normal)					
		A end	Operate points lever B e		B end		
01	-	hold Normal			Reverse		
Out of correspondence test for existing double-ended layout		B end	Operate points lever A end				
		hold Reverse Normal (ensure NWR is energised) Normal					
		Operate points to Reverse (both ends Reverse) A end Operate points lever B end					
		hold Reverse	Operate points lever Normal		Normal		
		B end	-		A end		
		hold Normal	Operate points lever Reverse (ensure RWR is energised)		Reverse		
12	12A	Ensure open switch flangeway clearance along switch meets specification. Ensure closed switch fully closes up against stock rail. Ensure back drive is functional (if applicable.					
		Points Normal		Open Switch			
		Points Normal	Closed Switch				
		Points Reverse		Open Switch			
		Points Reverse		Closed Switch			
13	13A	13A Certify the Facing Point Lock and Detection Normal & Reverse.					
14	14A	Arrange for the signaller to check the operation of the points, signals and indications associated with the apparatus. Ensure the machine is secure.					
	14B	Complete the return PR S 40017 FM04.					
	14C	Book affected signalling apparatus back into use.					
	certify	point					
	-	·	nd tested and are fit for	r service.			
F	rint Name			Position			
5	Signature			Date			