



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2024/03/06	Report Number	20240306-WMSC-AJF-1
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name
Rail Agency Department	WMATA	Contact Information	
Inspection Location	601 T Street, NE Washington, DC 20018		

Inspection Summary

Inspection Activity #	1
Activity Code	STC-RM-OBS
Inspection Units	1
Inspection Subunits	1
Defects (Number)	1
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Inspection Subject	ATC 1007B Switch Obstruction Test				Activity Code	STC-RM-OBS			
Job Briefing Employee Name/Title	ATC 283 Shift Supervisor Palmer RWIC 2446 Tariku LCP Tower Operator ATC 2490 Elizabeth		Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	09:30 AM	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP			Standard		Other / Title			Checklist Reference	
	Reference Documents: Metro Safety Rules and Procedures Handbook (MSRPH) (Needs Updated) Operations Administrative Policies (OAP) 204-01 and 113-23 TCR location Book-of-Plans (BOP) ATC-2000 - System Integrity Maintenance Practice Operations and Maintenance (O&M) Manual SM 6263	RWP Rule #1								ATC 1007B Template	
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
		X						X			
Line(s) & Track Number	601 T Street, NE Washington, DC 20018				Chain Marker and/or Station(s)		From		To		
							B1 131+00 B2 116+00		B1 141+00 B2 137+00		
Vehicles	Head Car Number		Number of Cars		Equipment		ATCM required hand tools. Switch obstruction gauge. Switch point detector sleeve gauge. Switch machine crank. Clamp current meter.				
	N/A		N/A								
Description	Ansaldo M3 Switch (Monthly) Inspection, Brentwood Rail Yard (B99) On March 6, 2024, WMSC Inspector performed a field observation on ATCM's Monthly Ansaldo M3 Electronic Switch Inspection. The Purpose of the monthly inspection of the Ansaldo M3 Switch Machine Inspection is to perform visual inspections of the exterior and interior of the machine & layout, as well as the switch Indication/Correspondence, point detector tests and hand crank cut-out circuit check. RJSB The Job Safety Briefing was performed by RWIC 2446, Tariku, inside TCR room # B212. RWIC 2446, performed two RJSB's due to the Brentwood Rail Yard (B99) being a transfer portal to the yard and to mainline. During to RJSB, The WMSC Inspector observed RWIC 2446 discuss his RWIC call number & cell phone, safety contact, RWP Rule (RWP Rule #1), work location, job task, work site hazards, Proper PPE, ATC Tower/Panel Operator (ATC2490), Watchmen Lookout, required site distance (50'), speed restrictions (Med), type of protection (ETO). Inspection Section 1 Exterior WMSC Inspector observed ATCM personnel perform all steps from section 1 exterior inspection of the Ansaldo M3 ATC 1000 1007B Switch PMI. Key steps are inspecting the switch layout, checking the switch indication letters ("N" & "R"), gauge plates, tie conditions and checking that the switch machine is firmly mounted. Section 2 Interior ATCM Personnel performed all steps of 2.1, the motor compartment section, a key step that was skipped from previous field observations. A few Items from sections 2.1 include Checking the switch motor compartment for damaged wire(s), Inspecting the motor brushes and wire leads, ensuring that all the wires and cables are not pulled tight or binding with adequate slack, checking that the heater resistor is working and is heating properly and checking the lid gasket for wear, tearing, or missing spots. 2.2 Circuit Controller Compartment ATCM Personnel performed all steps of section 2.2, circuit						Number of Defects		1		
							Recommended Finding?		Yes		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		



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	<p>controller compartment. A few Key steps from 2.2 include the following: Checking the locking dog to see that all corners are square. (Replace if corners are worn and rounded), Checking the rollers for cracks, flat spots and excessive wear and checking the circuit controller compartment for pitting or burning on the contacts, bent or damaged contact fingers, damaged wires, and loose wire connections. Replace or repair as required. (Clean compartments and remove any debris). 2.3 Gear Box Compartment ATCM Personnel completed all steps on section 2 interior inspections, 2.3 gear box compartment. These steps included Checking the gasket around the hand crank lid for wear & tear or missing spots, making sure the gasket is secured and does not create any interference with operation of the plunger, while ensuring the integrity of the gasket and making sure that it still creates a good seal (replace, if needed) & verifying</p>		
Remedial Action			



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Photos:
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¹ The rail transit agency must provide WMSC with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing WMSC verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge's Signature		Date 2024/03/06
Inspector in Charge's Name Allen Freeman	Inspection Team	