



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

<b>Inspection Date</b>	YYYY/MM/DD 2024/02/15	<b>Report Number</b>	20240215-WMSC-AJF-1
<b>Rail Agency Name</b>	Washington Metropolitan Area Transit Authority	<b>Rail Agency Department</b>	Name
<b>Rail Agency Department</b>	WMATA	<b>Contact Information</b>	
<b>Inspection Location</b>	Glenmont Rail Yard - 12750 Layhill Rd, Silver Spring, MD 20906		

**Inspection Summary**

<b>Inspection Activity #</b>	1
<b>Activity Code</b>	STC-RM-OBS
<b>Inspection Units</b>	1
<b>Inspection Subunits</b>	1
<b>Defects (Number)</b>	2
<b>Recommended Finding</b>	No
<b>Remedial Action Required<sup>1</sup></b>	No
<b>Recommended Reinspection</b>	No

**Activity Summaries**

Inspection Activity #	1	Inspection Subject	Model 6 Switch Machine Inspection				Activity Code		STC-RM-OBS		
<b>Job Briefing Employee Name/Title</b>	RWIC 2167	<b>Accompanied Inspector?</b>	No	<b>Out Brief Conducted</b>	Yes	<b>Time</b>	10:00 AM	<b>Outside Shift</b>	No		
<b>Related Reports</b>	N/A	<b>Related CAPS / Findings</b>			N/A						
<b>Related Rules, SOPs, Standards, or Other</b>	Ref	Rule or SOP	Standard		Other / Title			Checklist Reference			
	Reference Documents • Metro Safety Rules and Procedures Handbook Rules (MSRPH Rules) - 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 for Alstom P1383 Alstom Model 6	Metrorail Operating Rulebook section 17.2 Roadway Worker 17.18 ETO	ATC 1000		Tools and Equipment All electronic equipment used to make precision measurements during the performance of this procedure must be properly calibrated (see OAP 204-01 and 113-23). Record the calibration information (Model, Serial Number, and Date Due for Calibration) in the space provided on the associated datasheet. - ATCM required hand tools. -Lint-free cloth or chamois -Switch crank for applicable switch machine. -Switch obstruction gauge -Switch wrenches (as required. for installation switch layout); Yellow Kiel marker - Clamp current meter. Frequency Once every 30 days (Monthly), or immediately after modification or disarrangement of the switch layout, operating or indication circuits (per ATC-2000).						
<b>Inspection Location</b>	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	<b>Track Type</b>	At-grade	Tunnel	Elevated	N/A
		X						X			
<b>Line(s) &amp; Track Number</b>	Glenmont Rail Yard - 12750 Layhill Rd, Silver Spring, MD 20906			<b>Chain Marker and/or Station(s)</b>		From			To		
						N/A			N/A		
<b>Vehicles</b>	<b>Head Car Number</b>		<b>Number of Cars</b>		<b>Equipment</b>		Model 6 Switch Machine Model 7J Switch Controller				
	N/A		N/A								
<b>Description</b>	On February 15, 2024, WMSC Inspector performed a field observation on ATC 1000 1007A, Ansaldo Model 6 Switch Machine, at Glenmont Rail Yard (B98), with ATCM Personnel. Prior to starting the procedure RWIC 2167 gave a safety job briefing. Topics listed in the SJB where types of protection (watchman lookout), Proper PPE, nearest hospital (Holy Cross) and who would be the designated ATC Tower Operator (ATC 2415). WMSC Inspector started observing ATCM Personnel test the yard switch machines as they followed along with the procedure. WMSC Inspector observed key areas on the PMI during the inspection, paying close attention to sections: section 9 - Dynamic Snubbing Resistance Check, section 4 - Switch Obstruction Tests, section 5 - Switch Hand Crank Cut-Out. WMSC Inspector observed ATCM Personnel take voltage reading and made sure they were within the tolerances listed inside the ATC 1000 1007A procedure from section 8 -							<b>Number of Defects</b>		2	
								<b>Recommended Finding?</b>		No	
								<b>Remedial Action Required?</b>		No	



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	<p>Operating Voltage Tests. WMSC Inspector observed ATCM Personnels interaction over the radio, by making sure they were verifying the direction of the switch machines and the current state it was in (In/Out of correspondence) and gave 100% repeat back with ATC Tower Personnel after each step. Prior to completion WMSC Inspector Observed ATCM Personnel perform their final steps in section 11 - Finish and Area Check, by verifying there were no tools or test equipment left outside or inside the switch machine compartments, making sure all lids are closed and secured, checking that the switch machine throws smoothly in both directions, and making sure all personnel were in a place of safety before relinquishing all track rights.</p>	<p><b>Recommended Reinspection?</b></p>	<p>No</p>
<p><b>Remedial Action</b></p>			



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Photos:  
IMG\_0575



METER\_Calibration B98.jpg





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Model 6 Sw Machine lp External rp B98.jpg



Model 6 Switch Machine lp Internal rp B98.jpg





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Model 7J Switch Controller B98.jpg



Voltage Test Reading lp Motor compartment rp B98.jpg





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Bad\_Insulation\_on\_OP\_Basket\_Rod\_b98.jpg



Good insulation on OP Basket Rod B98.jpg



<sup>1</sup> 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 2024/02/15
Inspector in Charge's Name Allen Freeman	Inspection Team	