



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20200527-WMATA-KEK-03		
	2020	05	27				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	Signals & ATC	Sub- Department	ATCIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
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Inspection Location	C10 - National Airport Interlocking – CM: 359 + 37 to CM: 371 + 56						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	STC-RR-QAI	STC-RR-QAI	STC-RR-QAI	STC-RR-QAI		
Inspection Units	03/04/2020 Test	10/01/2019 Test	10/02/2019 Test	11/28/2020 Test		
Inspection Subunits	6	6	6	6		
Defects (Number)	0	0	0	3		
Recommended Finding	YES	YES	YES	YES		
Remedial Action Required¹	NO	NO	NO	YES		
Recommended Reinspection	NO	NO	NO	YES		

Activity Summaries

Inspection Activity #	5	Inspection Subject	Records Review – Q&A for Compliance				Activity Code		STC	RR	QAI
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	N/A	Out Brief Conducted	NO	Time		Outside Shift	NO	
Related Reports	Tri State Oversight – Final Report		Related CAPS / Findings		ATC & Signals Partial Audit Element #15 – Finding #2						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM					O&M GM/4000		TCR BOP			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X									X	
Line(s)	C-Line	Track Number	C 1 & C 2	Chain Marker and/or Station(s)		From		To			
		N/A	N/A			C10 (Nat Airport) C10 359 + 37		C10 (Nat Airport) C10 371 + 56			

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 – Signature	Date
KEMMERY ELAENE KENDRICK	June 9, 2020
Inspector in Charge – Name	Inspection Team
KEMMERY E. KENDRICK	WASHINGTON METRO SAFETY COMMISSION (WMSC) - SIGNALS & AUTOMATIC TRAIN CONTROL SUBJECT MATTER EXPERT



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Description	<p>Document Review Inspection – GM 4000 Switch – Installed in 2019 <u>Follow-up with respect to the TOC Triennial Audit of Automatic Train Control (ATC) and Signals Final Report: September 20, 2018. Audit Finding 2: The procedure and records for PMI 1007 for GM 4000 – 55E replacement. “Partial Audit Element #15.”</u></p> <p>PURPOSE: Test to verify that switch machine’s electro-mechanical circuits are functioning as intended to ensure reliability and safety of train movements and personnel on the roadway. Pursuant to; Automatic Train Control Branch Maintenance Control Policy - Revised 04/28/2017: Rev 1.1., page 70; PREVENTIVE MAINTENANCE PROGRAM STANDARDS AND RECOMMENDED PRACTICES</p> <p>GOVERNING COMPLIANCE STANDARD: APTA-RT-OP-S-006-03-Rev-3 APTA Standards Development Program, Rail Standard, Rail Transit Signals Operating Rules and Procedures.</p> <p>TEST: #1007 <u>Switch Hand Crank Cut-out Restoration, CWP and Point Detector Test and Lubrication.</u> Test performed to assure adequate protection against conflicting train movements and to verify safety of train movements at crossover locations and at interlockings.</p> <p>NOTABLE ITEMS:</p> <ul style="list-style-type: none"> • This inspection is to evaluate the accurate and complete paper format documentum for location C-10 (National Airport). Please note that this interlocking was upgraded with new switch machine equipment in 2019 from the 55E switch model to the current GM 4000 switch model. • Machine Replacement Project test results in compliance, dated May 2019 • August 2019 test results required for quarterly testing not submitted or missing. • 10/01/2019 & 10/02/2019 submitted complete for quarterly requirement. • 11/28/2019 – Report is out of compliance. Three (3) Switches missing from report missing for this inspection are; 7, 5(A)(B) near mile marker 371 + 56. • 03/04/2020 test in compliance. Next due date; 06/04/2020, • Submitted for review were 4 records for Audit/Inspection; (1) 03/04/2020, (2) 11/28/2019, (3) 10/01/2019 & (4) 10/02/2019. • Paperwork not legible with employee names showing responsibility of actors performing testing. 	Number of Defects	3
		Recommended Finding?	YES
		Redial Action Required?	YES
		Recommended Reinspection?	YES
Remedial Action	<p>(1) Test paperwork should include legible, printed and signed employee names and numbers for proper identification on 1007 test forms.</p> <p>(2) Assure that test is performed within the quarterly window, or after modification or disarrangement of the switch layouts.</p> <p>(3) Follow-up in for reinspection December 9, 2020 for CAP compliance.</p>		