



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2021/08/30	Report Number	20210825-WMATA-KEK-30
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name
Rail Agency Department	ATCM	Contact Information	
Inspection Location	Virtual Teams Meeting		

Inspection Summary

Inspection Activity #	1
Activity Code	STS/QAI/MTG
Inspection Units	2
Inspection Subunits	0
Defects (Number)	2
Recommended Finding	No
Remedial Action Required¹	Yes
Recommended Reinspection	Yes

Activity Summaries

Inspection Activity #	1	Inspection Subject	D&G Junction Switch & Intermittent Track Circuit Anomalies			Activity Code	STS/QAI/MTG					
Job Briefing Employee Name/Title	N/A	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	12:00 PM	Outside Shift	No			
Related Reports	None	Related CAPS / Findings										
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP			Standard	Other / Title			Checklist Reference			
	ASP, PTASP											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A	
						X			X	X		
Line(s) & Track Number	Virtual Teams Meeting			Chain Marker and/or Station(s)			From		To			
							CM: 179 +/- 25 - Van Ness (Red Line) and CM: 270 +/- 88 - D & G Junction (Orange Line)		CM: 193 +/- 97 - Van Ness (Red Line) and CM: 285 +/- 17 - D & G Junction (Orange Line)			
Vehicles	Head Car Number		Number of Cars		Equipment	Alstom GM 4000 and Ansaldo/Hitachi AF-800W						
	N/A		N/A									
Description	Meeting: D&G Junction is experiencing system failures the past 2 weeks. The failures are causing train delays. In an interview with the Line Superintendent to discuss the faults and action plan to mitigate going forward include: 1. GM4000 Switch malfunctions with the machines Point Detector Switch Modules. Superintendent stated that the Manufacturer-Alstom is presently on the property surveying two locations (as well as others) where switches have been installed and are problematic. WMATA SAFE, ATCE, ATCM, and are involved in an investigation with the manufacturer to assess for mitigation. Æ Ç D&G Junction (Switch #13) & A06 Cleveland Park/Van Ness-UDC (Switch #3-B) 2. The intermittent Track Circuits issues have been identified with the Ansaldo/Hitachi AF-800W component. ATCM have swapped the component in question at D&G Junction. Inquiring of mitigation process, the Line Superintendent responded with the following processes: – WO#16541948 D98, FALSE OCCUPANCY ON TRACK CIRCUIT 7ABT -FINISHED –Found cold solder joint at the power amp to motherboard card slot. –Personnel replaced TM4 -D module, took readings and performed 3 points shunt verification for track circuits 7AAT, 7AATY, and 7ABT. 7ABT back up and running and notified both MOC & OCC. – D98 INTERLOCKING; Unclamped and inspect switches 7,9, 11A and 11B, performed obstruction test, point detector test, exercised, and returned to service.						Number of Defects			2		
							Recommended Finding?			No		
							Remedial Action Required?			Yes		
							Recommended Reinspection?			Yes		
Remedial Action	Track the investigation as to the GM4000 Switch Machine fix upon completion of Alstom's work.											

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 2021/08/30
Inspector in Charge's Name Kemmerly Kendrick	Inspection Team N/A



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