



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20200910-WMSC-MAL-4		
	2020	09	10				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub-Department	Greenbelt Building H
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
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Inspection Location	Greenbelt Commissioning Facility – Building H, E99 5801 Sunnyside Ave, College Park, MD 20740						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-WI-PI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	3					
Recommended Finding	No					
Remedial Action Required¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Virtual inspection			Activity Code			VM	WI	PI
Job Briefing Employee Name/Title	WMATA Inspection				Accompanied Inspector?	N/A	Out Brief Conducted	N/A	Time	Virtual	Outside Shift	No			
Related Reports	N/A				Related CAPS / Findings										
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference					
	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4– Safety Rules.														
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A				
		X										X			
Line(s)	E99	Track Number		N/A		Chain Marker and/or Station(s)		From		To					
								N/A		N/A					
Vehicles	Head Car Number		Number of Cars		Equipment		N/A								



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	N/A	N/A			
Description	<p>WMSC Inspector conducted a virtual rules compliance inspection of the Greenbelt Commissioning Facility, Building H. The inspector requested numerous documents from daily activities performed at this facility for compliance with Metrorail Safety Rules and Procedures Handbook (MSRPH), as well as equipment maintenance activities, special tools, and documentation.</p> <p>The following document was reviewed: <u>CENV's EMIs Incorporated into Manuals Spreadsheet</u></p> <ul style="list-style-type: none"> ○ Reviewed CENV's EMIs Incorporated into Manuals Spreadsheet and the following information is provided. See Attachment #1. ○ Several EMIs for the 7K program show no completion status for updating the HRMM, RMSM, IPC, and PI manuals from Oct 2019 through May 2020 even though these EMIs were approved and are being implemented in railcars. No completion status was provided for updating the manuals. ○ 2K3K EMI 180469, High Speed Coupler show completion status as blank for updating the HRMM, RMSM, and PI manuals even though the task is shown as completed. No completion status was provided for updating the manuals. ○ 6K EMI 150180, Truck Assy Cable Routing, Brackets & Associate Hardware Improvements show completion status for updating the HRMM, RMSM, IPC, and PI manuals as not applicable even though the EMI title states, "brackets and associated hardware improvements". No completion status was provided for updating the manuals. ○ WMATA is requested to update and keep the EMIs Incorporated into Manuals Spreadsheet up to date. WMATA is requested to provide WMSC with copy of an up to date EMIs Incorporated into Manuals Spreadsheets by COB November 27, 2020. ○ Please provide WMSC with the status and revision level of railcar HRMM, RMSM, IPC, and PI manuals that has been provided or are available to S&I Shops for use by COB November 27, 2020. 			Number of Defects	3
				Recommended Finding?	No
				Remedial Action Required?	No
				Recommended Reinspection?	No
Remedial Action	N/A				
Effective Practices	<p>Effective Practices</p> <ul style="list-style-type: none"> ○ Collaborating with other departments and tracking lessons learned is an excellent approach to reduce railcar incidents. 				

Attachment 1 – CENV's EMIs Incorporated into Manuals

7K Railcars Engineering Documents.



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1	Supporting Change Document	Document Title / Summary	Approval Date	HRMM Pages (Chpt.)	RMSM Pages (Chpt.)	IPC Pages (Chpt.)	P.I. (Task)	Drawings Schematic	Notes / Comments	Updated Comments
25	EMI 140373	VMDS Software Update - WM7-U-7626W	11/5/2019							
26	EMI 140371	7K Replacement of Sun Visor with a Roll Screen Type (WM7-U-7743D)	10/28/2019							
27	EMI 140370	7K LUMINATOR LENS REPLACEMENT FOR OVERHEAD LIGHTS (WM7-U-7723A)	10/28/2019							
28	EMI 140367	7K VERIFICATION AND REPAIR OF CRIMPS IN RLJB (WM7-U-7767A)	10/24/2019							
29	EMI 140351	REPLACEMENT OF THE AIR SUPPLY UNIT (WM7-U-7711 AND 7773)	8/15/2019	N/A	N/A	N/A			Does not affect manuals	
30	EMI 140366	7K COUPLER HORN SPRING PIN REPLACEMENT (WM7-U-7732)	7/19/2019	N/A	N/A	N/A		Drawings	Drawings & Schematics. No changes to Manuals	
31	EMI 140365	7K INSTALLATION OF RUBBER PROTECTION TO BRAKE RELEASE CABLE	7/18/2019			Chapter 7 - Fig. 7-18, Table 7-18			Yes	
32	EMI 140356	7K CCB SOFTWARE UPDATE VERSION 5.10 (WM7-U-7631J)	7/17/2019	N/A	N/A	N/A			Does not affect manuals	
33	EMI 140354	7K ATP SOFTWARE UPDATE 6.60 (WM7-U-7688D)	7/17/2019	N/A	N/A	N/A			Does not affect manuals	
34	EMI 140355	7K ADU SOFTWARE UPDATE 1.60 (WM7-U-7531)	7/17/2019	N/A	N/A	N/A			Does not affect manuals	

6K Railcars Engineering Documents

1	Supporting Change Document	Document Title / Summary	Approval Date	HRMM Pages (Chpt.)	RMSM Pages (Chpt.)	IPC Pages (Chpt.)	P.I. (Task)	SMD	Drawings Schematics
3	EMI 150190	6K Propulsion Software Update	6/09/2020	N/A	N/A	N/A	N/A	N/A	N/A
4	EMI 150174, Rev 1	AUTOMATIC COUPLER MANUAL UNCOUPLER HANDLE INSULATION	4/16/2020	N/A	N/A	N/A	N/A	N/A	N/A
5	EMI 150078, Rev. 01	6K VV-120 Air Dryer Desiccant Canister Replacement	4/16/2020	N/A	N/A	N/A	N/A	N/A	N/A
6	EMI 150189	6K Install Mode B Door Obstruction Operating	04/08/20	N/A	N/A	N/A	N/A	N/A	N/A
7	EMI 150167 (Rev 2)	6K Revenue Car Conversion to Money Car is in Maximo	3/18/2020						
8	EMI 150185	6K Front-End Coupler Flag Indicator	12/06/19						
9	EMI 150180	6K TRUCK ASSY CABLE ROUTING, BRACKETS & ASSOCIATE HRDW IMPROVEMENTS	09/06/19	N/A	N/A	N/A	N/A	SMD 150008 §§1.33-1.46 & 1.50-1.52	
10	EMI 150160 (Rev 1)	6K High Speed Coupler Locking Tab	07/17/19			Ch. 3, pp. 3-36, 37 items 11, 26 6/2/20. WMATA P/Ns add to items 11,12,13,14,26,27,28,29			WMATA Revised Marked up Tab Drawings WDA000576 and WDA000577

2K3K Railcars Engineering Documents



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1	Supporting Change Document	Document Title / Summary	Approval Date	HRMM Pages (Chpt.)	RMSM Pages (Chpt.)	IPC Pages (Chpt.)	PI Task #	SMD	Drawings Schematics
3	EMI 180494	DIGITROL INSTALLATION - CONFIGURATION 'D'	09/30/19	Ch. 4, p 4-37, 4-61, 4-99 to 101, 4-159 to 4-179	Ch. 4, Vol. I - p 4-35, Vol. II p. 4-100	Ch. 4, p4-94 to 4-118	N/A		Attached for CAD Operators
4	EMI 180469	2-3K High Speed Coupler	3/20/20			2K3K IPC, Chap.2, pages 2-48,, Fig. 13, pg.2-49 items 10, 11, 12, 13,&24			WDA000576 / WDA000577
5	EMI 180498	2-3K Revenue Car Conversion to Money Car	3/18/20	N/A	N/A	N/A	N/A	N/A	N/A
6	EMI 180495	2-3K Replacement of Carpet with Nora Flooring	04/28/20	Ch.1: Highlighted (Identified) the Carpeted items and inserted the EMI 180495 reference and link to the EMI. Pages: 1-1-22,69,89, 90, 91, 93, 95, 96.	Ch.1, Vol. 1: Highlighted the Carpet and inserted the EMI 180495 reference and link to the EMI. Pages: 1-1	Identified PP 1-233A to 1-238A as Carpeted then Inserted pages 1-233B to 1-238B as the Nora Tile Flooring.	Reference Only		Drawing to be archived.

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 09/10/2020
Inspector in Charge – Name Manuel Lopez	Inspection Team Manuel Lopez	