

Manual of Standards and Recommended Practices for Rail Transit Systems

Volume II

Vehicle Inspection and Maintenance

First Edition-2004

Compiled under the direction of the Rail Transit Standards Policy Committee of the American Public Transportation Association

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Introduction

This is the second volume of a six volume set comprising the American Public Transportation Association *Manual of Standards and Recommended Practices for Rail Transit Systems*. The standards and recommended practices contained in this manual represent an industry consensus on practices to help rail transit systems achieve a high level of safety for passengers, employees, and the general public. This manual was created by and for those parties concerned with its provisions; namely, rail transit systems (operating agencies), manufacturers, consultants, engineers, and general interest groups.

This volume contains vehicle inspection and maintenance standards and recommended practices for running rail transit systems safely and efficiently.

This volume also contains the title pages of related Institute of Electrical and Electronic Engineers (IEEE) standards and recommended practices that apply to the design of passenger car electrical systems. These documents are not available from APTA; they may be obtained from the IEEE.

The entire set is comprised of the following volumes:

Volume 1-Rail Transit Standards Background and Process Description

Volume 2-Vehicle Inspection and Maintenance

Volume 3-Rail Grade Crossing Practices

Volume 4-Operating Practices

Volume 5-Fixed Structures Inspection and Maintenance

Volume 6-Signals and Communications Inspection and Maintenance

Please refer to Volume 1 for important information and guidance for implementation of these standards and recommended practices.

To obtain copies of any of these volumes contact:

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Vehicle Inspection and Maintenance Committee

The APTA Rail Transit Standards Vehicle Inspection and Maintenance Committee developed and approved the documents contained in this manual through a consensus process fully described in Volume I.

Jay Shah, General Superintendent Car Equipment MTA New York City Transit, chaired the committee, Ben Antonio, of Niagara Frontier Transportation Authority was vice-chair, Dave Phelps served as the APTA Staff Advisor to the committee, and Gord Campbell, of LDK Engineering, Inc., organized and facilitated the meetings.

Table 1 lists the Vehicle Inspection and Maintenance Committee membership. The committee organized into working groups as shown in figure 1.

The committee held the following face-to-face meetings to accomplish its work plan:

- 1st – January 18-19, 2001 hosted by SEPTA – Philadelphia, PA
- 2nd – April 4-5, 2001 hosted by APTA – Seattle, WA
- 3rd - July 9-10, 2001 hosted by RTD – Denver, CO
- 4th – October 15-16, 2001 hosted by CTA – Chicago, IL
- 5th – January 22-23, 2002 hosted by Miami Dade Transit – Miami, FL
- 6th – April 9-10, 2002 hosted by MTA NYCT – Brooklyn, NY
- 7th – July 15-16, 2002 hosted by BART – Oakland, CA
- 8th – October 21-22, 2002 hosted by Wabtec – Spartanburg, SC
- 9th – January 13-14, 2003 hosted by Regional Transit Authority – New Orleans, LA
- 10th – April 7-8, 2003 hosted by San Diego Trolley – San Diego, CA

The remainder of this volume contains the documents developed by the Vehicle Inspection and Maintenance Committee.

Table 1 – APTA Rail Transit Standards Vehicle Inspection and Maintenance Committee Membership

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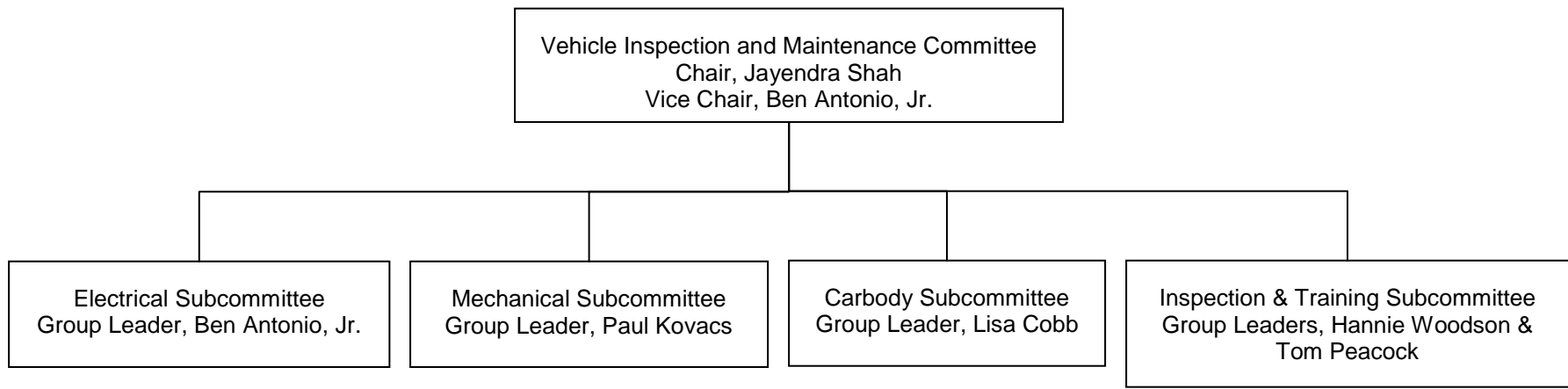


Figure 1 – Vehicle Inspection and Maintenance Committee Structure