

Published IEEE Rail Transit Standards, as of December 1, 2009

Railcar	
16™-2004	IEEE Standard for Electrical and Electronic Control Apparatus on Rail Vehicles
1473™-1999	IEEE Standard for Communications Protocol Aboard Trains
1475™-1999	IEEE Standard for Functioning of and Interfaces Among Propulsion, Friction Brake, and Train-Borne Master Control on Rail Rapid Transit Vehicles
1476™-2000	IEEE Standard for Passenger Train Auxiliary Power Systems Interfaces
1477™-1998	IEEE Standard for Passenger Information System for Rail Transit Vehicles
1478™-2001	IEEE Standard for Environmental Conditions for Transit Rail Car Electronic Equipment
1482.1™-1999	IEEE Standard for Rail Transit Vehicle Event Recorders
1483™-2000	IEEE Standard for Verification of Vital Functions in Processor-Based Systems Used in Rail Transit Control
1536™-2002	IEEE Standard for Rail Transit Vehicle Battery Physical Interface
1558™-2004	IEEE Standard for Software Documentation for Rail Equipment and Systems
1568™-2003	IEEE Recommended Practice for Electrical Sizing of Nickel-Cadmium Batteries for Rail Passenger Vehicles
1698™-2009	IEEE Guide for the Calculation of Braking Distances for Rail Transit Vehicles
Signals	
1474.1™-2004	IEEE Standard Method for Communications-Based Train Control (CBTC) Performance and Functional Requirements
1474.2™-2003	IEEE Standard for User Interface Requirements in Communication Based Train Control
1474.3™-2008	IEEE Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations
1570™-2002	IEEE Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection
OCS	
1628™-2009	IEEE Standard Recommended Practice for Maintenance for DC Overhead Contact Systems for Transit Systems
Traction Power	
1653.2™-2009	IEEE Standard for Uncontrolled Traction Power Rectifiers for Substation Applications Up to 1500 V DC Nominal Output