

Document Control Update

NGEC Annual Meeting
February 3, 2023



The NGEC will provide national leadership in standardization, acquisition, financing and management of passenger rail equipment.

Tammy Krause

Working Groups

- Structural WG – Anand Prabhakaran
- Communications WG – Ken Martin
- Electrical WG – Tammy Krause
- Mechanical WG – Jeff Gordon
- Propulsion WG – Rich Stegner
- Interiors WG – Blair Slaughter
- Materials WG – Michael Gill
- Weights WG – Jeff Gordon
- VTI WG – Brian Marquis



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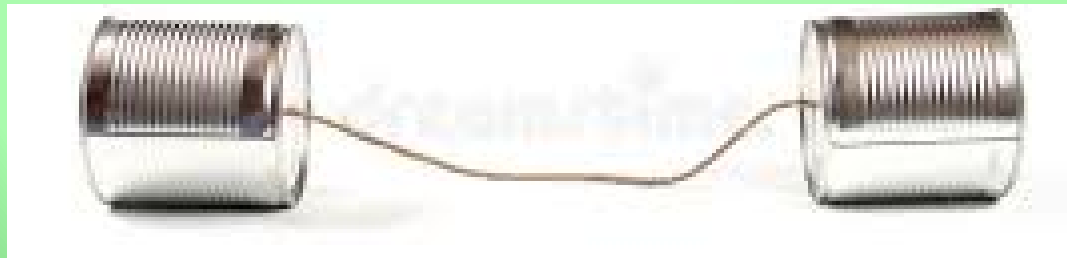
New Materials Working Group

- New group created to explore alternate Carbody Materials as a result of discussions following the DMU specification.
- Previously all PRRIA Passenger Car Bodies were Stainless Steel.
- New requirements, references and standards need to be added to the specifications.
- Working with the single level specification to review and propose revisions required with allowing alternate materials.
- Updates to the specification will be applied to the other specifications.



Working Group Updates

- Communication WG
 - Formerly the Electronics on Trains WG
 - Communication technology is constantly changing, and it was decided that there was a need for a separate WG
 - The Communications sections of the specifications were previously handled by the Electrical WG
 - The Digital Train Line Hardware Specification will no longer be updated due to on-going technology advancements.



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Bi-Level Specification

- The Bi-Level Specification Revision C5 was approved by the TSC on 1/19/23. It is currently under review by the EB.
- The Bi-Level Specification was updated to Rev C5 with 175 changes that were approved by the Working Groups and Technical Subcommittee.



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Working Group Members

- I would like to thank everyone that participates in the WGs.
- We could do nothing with specifications and other documents without the support of these members.
- This is all done on a voluntary basis, and it is greatly appreciated!



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Future Plans

- Continue to review the APTA PRESS Standards and Recommended Practices for updates that may require changes to our specifications.
- Update the Single Level Specification. It is currently at Revision B2, dated 1/12/2019.
- Update the Diesel Electric Locomotive Specification. It is currently at Revision B, dated 6/20/2017.
- Review “Emerging Technologies” for alternative propulsion options.



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Review/Update NGENC References and Drawings Series 305-800 and 305-900

SUPPORTING TECHNICAL DRAWINGS			
305-800	IR	Sept. 1, 2011	Single-Level Clearance Drawing
305-801	A	Mar. 21, 2014	Rev. C: Bi-Level Clearance Drawing
305-802	IR	Sept. 1, 2011	Standard Trash Container (Amtrak Part No. 24-045-18737)
305-803	IR	Sept. 1, 2011	Speed Sensor and Cable Assembly
305-804	IR	Sept. 1, 2011	Temperature Probe and Connectors
305-805	IR	Sept. 1, 2011	Axle Single Level Program
305-806	IR	Sept. 1, 2011	Power Transformers
305-807	I R	July 1, 2012	Cab/Baggage Car F-End Pilot Assembly
305-808	IR	Sept. 1, 2011	Emergency Equipment Cabinet Arrangement
305-809	IR	Sept. 1, 2011	Seat Track Reference Dimensions
305-811	IR	Sept. 1, 2011	Food Chiller Units (D-14-906)
305-812	IR	July 20, 2012	Axle Superliner -6 1/2 x 12
B-144	N A	NA	Standard Amtrak Coach Key (J.L. Howard Part No. 2555)

SUPPORTING TECHNICAL SPECIFICATIONS			
305-900	IR	Sept. 1, 2011	Specification for Composition Brake Shoes and Disc Brake Pads
305-901	IR	Sept. 1, 2011	Public Address/Intercom System
305-902	A	July 1, 2012	Specification for Water Systems for use on Amtrak Passenger Vehicles
305-903	IR	Sept. 1, 2011	Flammability, Smoke Emissions and Toxicity for use on Railway Passenger Cars and Locomotive Cabs
305-904	IR	Sept. 1, 2011	Specification for Vendor Maintenance Manuals
305-905	IR	Sept. 1, 2011	Specification for Builder Operating and Maintenance Manual Family
305-906	IR	Sept. 1, 2011	480, 240, 208, and 120 VAC 72VDC Relay and Contactor Panel
305-907	IR	Sept. 1, 2011	Disposable Air Filter
305-908	IR	Sept. 1, 2011	Valve and Exterior Equipment Identification Tags & Labels and Operating Instructions
305-909	IR	Sept. 1, 2011	National On-Board Signage Manual
305-910	IR	Sept. 1, 2011	Schematic, Wiring and Piping Diagram Drawings
305-911	IR	Sept. 1, 2011	Replacement of Copper Waste Piping with Non-Metallic Pipe
305-912	C	Jun 20, 2017	Operational and Environmental Conditions for Rail Rolling Stock
305-913	IR	Sept. 1, 2011	Manufacture and Acceptance of Passenger Seating for Intercity Rail Cars
305-914	IR	April 3, 2012	Side Door Control Panel Design and Function
305-915	IR	July 1, 2012	High Performance Wire and Cable
305-916	IR	July 1, 2012	Environmental & Operating Conditions
305-917	IR	July 1, 2012	480, 240, 208, and 120 VAC 72VDC Switchboard Panels
305-918	IR	July 1, 2012	Food Service Cart



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Thank You!



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