

Photo by Alex Gillman

NGEC Delivers Results

The Passenger Rail Investment and Improvement Act of 2008 directed Amtrak, states, FRA and industry to establish the Next Generation Corridor Equipment Pool Committee (NGEC) to standardize and streamline the process for designing and obtaining next-generation passenger rail equipment.

As the national leader in standardization, acquisition and management of passenger rail equipment, the NGEC is delivering results.

NGEC Members



Department of
Transportation



Amtrak.com



U.S. Department
of Transportation
Federal Railroad
Administration



Illinois Department
of Transportation

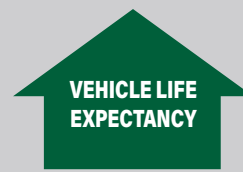
Plus more than 200 industry participants representing passenger rail manufacturing, supply and consultant members

NGEC TIMELINE

- January 2010**
NGEC Formed
- August 2010**
Bi-level passenger car specification released
» last updated February 2023
- February 2011**
Single level passenger car specification released
» last updated February 2019
- March 2011**
Diesel electric passenger locomotive specification released
» last updated June 2017
- August 2011**
Single level trainset specification released
» last updated January 2022
- September 2012**
Diesel multiple unit specification released
» last updated January 2022
- February 2016**
Dual mode (DC 3rd rail) passenger locomotive specification released
- July 2017**
First Charger locomotive delivered
» 98 in service as of January 2024
- August 2020**
First Venture car delivered December 2021
» 76 in service as of January 2024
- February 2021**
Acquisition and Ownership Recommended Practices released
- September 2021**
Guidance for Long-term Vehicle Service Agreements released
- November 2023**
Adopted PRIIA Reference Specification 305-901 Rev A

GOALS

Lower operating and maintenance costs and extended vehicle life expectancy.



RESULTS

Standardize design, production, and delivery of passenger rail equipment.

PRIIA 305 NGEC created six specifications worth an estimated \$2 million each for Next Generation equipment:

- Single Level Car
- Bi-level Car

- Single Level Train Sets
- Diesel-Electric Locomotive

- Diesel Multiple Units
- Dual-Mode Locomotive



Photos courtesy of Art Peterson

RESULTS

Continuous improvements for future needs.

Document control procedures enable a review of the use of specifications and requests for modifications in order to continuously improve these specifications as new developments occur in vehicle production/manufacturing.

RESULTS

Spark domestic production, invigorate supply chain and create high-wage jobs.

- » Standardized specifications ensure rolling stock designs suited for use across North America.
- » Improves customer amenities and overall customer experience.
- » The multi-state procurements are revitalizing the passenger rail car and locomotive manufacturing industry.
- » Connecting passenger rail car and locomotive builders and US suppliers to achieve 100% Buy America goal.
- » Fosters economic development.

RESULTS

Increased Competition in the procurement of rail vehicles.

The NGEC fosters participation by the OEM community in development of the specifications – ensuring that vehicles compliant with the specifications can be produced by the widest range of OEM manufactures and ensuring broad competition during the procurement phase, which will produce the best vehicles at the lowest cost.

REALIZATION

NGEC Specifications are being used by the following entities for the procurement of new passenger rail equipment.

- CalTrans
- WA State Dept. of Transportation
- Illinois Dept. of Transportation
- Michigan Dept. of Transportation
- VIA Rail Canada

- Missouri Dept. of Transportation
- Wisconsin Dept. of Transportation
- Connecticut Dept. of Transportation
- Metro-North Railroad
- Amtrak

- Long Island Rail Road
- N.Y. State Dept. of Transportation
- N.C. Dept. of Transportation
- All Aboard Florida / Brightline
- Utah Transit Authority