

10/29/2025

Solicitation Title: Automatic Train Supervision system developed by Siemens Mobility, Inc. (Siemens) for New York City Transit Subway's B-Division (ATS-B), and for the deployment of 5G Carborne Data Communication System (DCS) equipment on its R160 and R179 subway cars.

Description :The Metropolitan Transportation Authority (MTA), acting by MTA Construction and Development Company, intends to award a non-competitive contract for the implementation of enhancements to the Automatic Train Supervision system developed by Siemens Mobility, Inc. (Siemens) for New York City Transit Subway's B-Division (ATS-B), and for the deployment of 5G Carborne Data Communication System (DCS) equipment on its R160 and R179 subway cars.

**This advertisement updates the advertisement published under the same Contract number from November 6, 2024. **

1. The scope of this Contract will include the development and installation of software and hardware and structural modifications for ATS-B to enable deployment of the following upgrades:
 - a. Thin Client System for remote ATS-B access;
 - b. Expansion of the ATS-B Trip Editor for layered schedule editing;
 - c. Real-time data interface between ATS-B and the MTA Data Warehouse;
 - d. Enhancements to ATS-B playback tools;
 - e. Establishment and testing of network connections between ATS-B and the Public Address/Customer Information System;
 - f. ATS-B Jump Server for secure access by third parties;
 - g. ATS-B communication with the 5G-based DCS and carborne controllers, while maintaining compatibility with existing DCS system;
 - h. Modernization of CBTC-centric ATS-B/Programable Logic Controller interface;
 - i. Virtual ATS, Zone Controller and Carborne Controller systems for cloud-based testing at MTA's Enhanced Interoperability Test Facility (EITF);
 - j. Replacement of end-of-useful-life ATS-B core network switches at the Operations Control Center and Backup Rail Control Center;
 - k. Network interfaces between ATS-B and the Crosstown Wayside Communication Network/5G DCS;
 - l. Enhancements to the ATS-B Graphical User Interface for improved emergency braking incident diagnostics;
 - m. Smart Power Distribution Units in ATS-B and Wayside Communication Network Cabinets;
 - n. New ATS-B command to release switches and overruns;
 - o. Standardized Local ATS and Line ATS systems for CBTC-centric projects; and
 - p. Addition of static and dynamic indicators to Human-Machine Interface ATS-B Displays for bridges, crossings, and other system elements.
2. This Contract scope will also include furnishing new 5G-based carborne DCS equipment that will interface with the existing Siemens carborne CBTC controller equipment on the MTA's R160 and R179 subway cars. The Contract will also include supporting the installation of the new equipment on the cars as well as integration testing.

MANUFACTURER: Siemens Mobility, Inc.

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