

## Railroad Technology Safety Grant recipients

Grant Recipient and Location of work	Project Title and Description	Award Amount
Southern California Regional Rail Authority (SCRRA)	<b>Shared LA PTC Communications Infrastructure:</b> The project will develop and test the communications best practices guide for all railroads that must implement a standard Vital Train Management System (VTMS) which requires an interoperable communication architecture that will allow trains to operate safely across railroad networks using the Los Angeles basin as the prototype.	\$6,605,446
National Railroad Passenger Corporation- (Amtrak) Washington, D.C.	<b>Advanced Civil Speed Enforcement System (ACSES) – Vital Train Management System (VTMS) Interoperability:</b> The project will focus on achieving interoperability between the PTC system used on Amtrak’s Northeast Corridor, known as ACSES, and the VTMS being adopted by freight railroads.	\$12,850,000
New York Metropolitan Transit Authority (MTA) – Long Island Railroad/Metro North Railroad, New York	<b>Advanced Civil Speed Enforcement System (ACSES) – Interface Control Documentation:</b> The MTA will develop and test the interface specifications (i.e. Interface Control Document) for the major subsystems of the Amtrak Northeast Corridor ACSES PTC System.	\$6,596,000
Meterocomm Communications Corporation- Renton, Washington	<b>220 MHz PTC Radio HW Design Integration testing and Locomotive Noise Study:</b> The project builds the required radio platform for an interoperable communications network across multiple railroads deploying the Vital Train Management System (VTMS) technology using a 220MHz radio frequency.	\$21,050,000
Howard University- Washington, D.C.	<b>PTC System Identity Management:</b> The project will develop performance models for cryptographic key management required to ensure safe and secure interoperable PTC system communication.	\$857,106
Railroad Research Foundation- Washington, D.C.	<b>Rail Corridor Risk Management:</b> The project will enhance and provide ongoing implementation of the Rail Corridor Risk Management System (RCRMS) as a key enabling technology for the industry in accomplishing the objectives of the Rail Safety Improvement Act of 2008.	\$1,541,448
Westinghouse Airbrake Corporation- Cedar Rapids, Iowa	<b>Video PTC Database Survey Verification:</b> The project will prove the ability to use ordinary video currently collected in a locomotive run through a subdivision to validate PTC Survey location points.	\$500,000

Source: U.S. Department of Transportation, Federal Railroad Administration