Annual PTC Progress Report

2015

Capital Metropolitan Transportation Authority (CMTY)

Docket No. FRA-2010-0072

Name of Railroad or Entity Subject to 49 U.S.C. § 20157(a): Capital Metropolitan Transportation Authority
Railroad Code: CMTY
Annual PTC Implementation Progress Report for: 2015
PTCIP Version Number of File with FRA (basis for goals stated): 2.6
Submission Date: March 28, 2016

Contents

1. Summary

Please provide a narrative summary of overall PTC implementation progress during the proceeding calendar year (January 1 to December 31):

CMTY has secured Mott MacDonald to act as the PTC Engineer through a 2014 procurement. CMTY will issue a RFP and award a contract for provision and installation of an E-ATC system in 2016, as described in Version 2.6 of its PTCIP.

Category	Quantity Installed During Calendar Year	PTCIP Year End Goal (If Applicable)	Cumulative Quantity Installed at End of Calendar Year	Total Quantity Required for PTC Implementation
Locomotives Fully Equipped	0	0	0	26 (note 1)
Installation/Track Segments Completed	0	0	0	1
Radio Towers Fully Installed and Equipped	0	0	0	15 (note 2)
Employees Trained	0	0	0	148
Back Office Locations Completely Installed and Fully Operable	0	0	0	1
Route Miles in Testing or Revenue Service Demonstration	0	0	0	32.12
Route Miles in PTC Operation	0	0	0	32.12

Note 1: The CMTY fleet consists of six Stadler GTW 2/6 train sets, with four additional trainsets having been purchased but not delivered. In addition, quantities include equipment operated by tenant railroads including 15 by the AWRR and 1 by the ATCX.

Note 2: CMTY will install an E-ATC system. 220 MHz PTC data radio will not be employed for wayside to train or wayside to back office communications. Additional towers will be installed for SCADA communications with CAD.

2. Update on Spectrum Acquisition

Required Content:

- The amount of spectrum acquired and available for use during the applicable calendar year and the cumulative amount acquired and available for use at the end of the applicable calendar year, as compared to the amount the railroad stated would be acquired and available for use by the end of that calendar year and in total for PTC implementation, in the applicable revised PTCIP, as amended
- The basis for how the railroad is determining that the acquired spectrum is available for use by PTC radios (e.g., ensuring non-interference with other radios)

Spectrum Area or Location (E.g. county)	Spectrum Acquired and Available for Use (Owed/Leased) During Calendar Year	Cumulative Amount of Spectrum Acquired and Available for Use (Owed/Leased) at End of Calendar Year	PTC Year End Goal for Spectrum Acquired and Available for Use	Total Spectrum Required for PTC Implementation, as Reported in PTCIP
Spectrum Coverage Area or Location	0	0	0	0

Please provide any additional narrative for Spectrum Acquisition below:

CMTY will install an E-ATC system. 220 MHz PTC data radio will not be employed for wayside to train or wayside to back office communications.

3. Quantity Update on Hardware Installation

Required Content:

- Separated by each major hardware category and subcategory identified below, the amount of PTC hardware installed during the applicable calendar year and the cumulative quantity installed at the end of the applicable calendar year, as compared to the amount the railroad stated would be installed by the end of that calendar year and in total for PTC implementation, in the applicable revised PTCIP, as amended.

3.1 Locomotive Status

Category/Installation Feature	Quantity Installed During Calendar Year	PTCIP Year End Goal	Cumulative Quantity Installed at End of Calendar Year	Total Quantity Required for PTC Implementation, as Reported in PTCIP
Locomotive (Apparatus)				
On-board Computers (e.g., Train Management Computers)	0	0	0	26
Software for Train Management and Other Applications	0	0	0	26
PTC Displays	0	0	0	26
Event Recorders	0	0	0	26
Onboard Antennas and/or Transponder Readers	0	0	0	26
GPS Receivers	0	0	0	0
Locomotive Radios – Primary Communications (e.g., 220 MHz radios)	0	0	0	0
Secondary Communications (e.g., cell or WiFi communications) Equipment	0	0	0	0

Please provide any additional narrative for Locomotive Status below:

The CMTY fleet consists of six Stadler GTW 2/6 train sets, with four additional trainsets having been purchased but not delivered. In addition, quantities do include equipment operated by tenant railroads including 15 by the AWRR and 1 by the ATCX.

3.2 Infrastructure/Back Office Status

Category/Installation Feature	Locations Completed During Calendar Year	PTCIP Year End Goal	Cumulative Quantity Complete at End of Calendar Year	Total Required for PTC Implementation, as Reported in PTCIP
Infrastructure (Back Office)				
Dispatching Locations (locations complete)	0	0	0	1
Back Office Locations (locations complete)	0	0	0	1

Please provide any additional narrative for Infrastructure/Back Office Status below:

3.3 Installation/Track Segment Status

Category/Installation Feature	Quantity Installed During Calendar Year	PTCIP Year End Goal	Cumulative Quantity Installed at End of Calendar Year	Total Required for PTC Implementation, as Reported in PTCIP
Infrastructure – Wayside (by Installation/Track Segment)				
Installation/Track Segment Identification: Central Subdivision				
Wayside Interface Units	0	1	1	35
Communications Towers or Poles	0	0	0	15
Switch Position Monitors	0	0	0	0
Planned Fiber or Ground Wiring (per mile)				
Wayside Radios	0	0	0	0
Base Station Radios	0	0	0	0

Please provide any additional narrative for Installation/Track Segment Status below:

Additional towers will be installed for SCADA communications with CAD.

4 Quantity Update on Employees Trained

Required Content:

- Separated by each by each employee category identified below, the number of employees trained during the applicable calendar year and the cumulative number of employees trained at the end of the applicable calendar year, as compared to the number the railroad stated would be trained by the end of that calendar year and in total, in the applicable revised PTCIP, as amended.

Employee Category	Number of Employees Trained During Calendar Year	PTCIP Year End Goal	Cumulative Number of Employees Trained at End of Calendar Year	Total Reported in PTCIP
T&E Crew (Operations) Employees	0	0	0	75
Mechanical Employees	0	0	0	12
MOW/Engineering/ Roadway Worker Employees	0	0	0	32
Management Employees	0	0		9
Other Staff	0	0	0	20

Please provide any additional narrative for Employee Training below:

It is anticipated that training will begin in 2017. A total of 148 employees will require training.

5 Progress on Implementation Schedule/Milestones

In its annual progress reports, each subject railroad and entity must provide a progress update with respect to its project schedule. A railroad should only submit schedule information demonstrating actual progress as measured against the schedule in its revised PTCIP, as amended. This could be accomplished by providing detailed project schedules and visual aids (e.g., a Gantt chart) if available or any other information documenting current progress as compared to the implementation schedule in the railroad's revised PTCIP, as amended. Details regarding any notable variances or trends that are affecting, or could possibly affect, PTC implementation goals should also be explained in the annual progress reports. Where circumstances are adversely affecting a railroad's implementation of PTC, the railroad must also provide an action plan to recover from, or mitigate, any adverse consequences.

Required Content:

- Schedule/Milestone Information as described above
- The extent to which the railroad or entity is complying with the implementation schedule provided in its revised PTCIP, as amended.

Please provide any additional narrative for Progress on Implementation Schedule/Milestones below:

The schedule provide with PTCIP Version 2.6 remains accurate.

6 Summary Update of Challengers/Risks

Required Content:

- Any update to the summary of remaining technical, programmatic, operational, or other challengers that the railroad or entity provided in its revised PTCIP, as amended, including challengers with availability of public funding, interoperability, spectrum, software, permitting, and testing, demonstration and certification
- Schedule risk updates (e.g., funding, technology, agreements)

Please provide Summary Update of Challenges/Risks below:

The challenges and risks remain as outlined in PTCIP Version 2.6

7. Progress on Revenue Service Demonstration (RSD) or Implementation

Required Content:

- The total number of route miles on which PTC has been initiated for revenue service demonstration or implemented, as compared to the total number of route miles required to have a PTC system (see Section 1 Summary Table)
- Estimated start date (month and year) for RSD

Segment Identification	Number or Route Miles In Segment	Status at End of Calendar Year Current status of installation/ track segment	Estimated Start Date for Revenue Service Demonstration (if not already completed)
Central Subdivision	32.12	• Not Started o Installing o Testing o Operational/Complete	After June 30, 2018, as authorized by the FRA.

Please provide any additional narrative for Revenue Service Demonstration or Implementation below:

8. Update for Intercity or Commuter Rail Passenger Transportation (if applicable)

If this section is not applicable to your railroad, please mark N/A.

Required Content:

- For each entity providing regularly scheduled intercity or commuter rail passenger transportation, a description of the resources identified and allocated to implement PTC

Please provide Update for Intercity or Commuter Rail Passenger Transportation below, if applicable:

Capital Metro has committed $28 million to fund the design and implementation of the E-ATC solution over 5 fiscal years.

9. Update on Interoperability Progress and Other Formal Agreements

Required Content:

- For each host railroads: provide updates to any agreements and key milestones for all tenant operations
- For tenant railroads: provide updates to any agreements and key milestones for all operations over tracks hosted by another railroad

Please provide Update on Interoperability below:

Austin and Texas Central Railroad (ATCX), Letter of Understanding dated January 13, 2016 Austin and Western Railroad (AWRR), Letter of Understanding dated January 13, 2016

10. Estimated PTC Safety Plan Submission Date (if not already submitted)

If this section is not applicable to your railroad, please mark N/A.

PTCSP Submission Date
June 30, 2018

Please provide any additional narrative for PTCSP Submission below:

11. Testing and Integration Efforts (if applicable: laboratory, integration and revenue service demonstration)

Please provide Update on Testing and Integration efforts below:

12. Updated Information That FRA Can Use to Maintain its Geographic Information System (GIS) Database – Segments Complete and Operable

In its annual progress reports, a subject railroad or entity may submit a geographic information system (GIS) shapefile to indicate where various rail segments that must have PTC are located, as long as it includes the following fields: (1) a PTC attribute field (coded "Y" if the line segment is to have PTC installed, otherwise left blank); (2) a SUBDIV attribute field (populated with subdivision name); (3) a MONTH attribute field (populated with the month in which PTC is to be installed); and (4) a YEAR attribute field (populated with the year in which PTC is to be installed).

If a railroad chooses to submit the required information by means other than shapefile format, please inform FRA prior to the March 31st annual reporting deadline.

Please provide any additional narrative for GIS Information below:

CMTY will be equipping the Central Subdivision with a PTC system, with the installation anticipated to be complete and tested by June 30, 2018 as indicted in Version 2.6 of the CMTY PTCIP.