



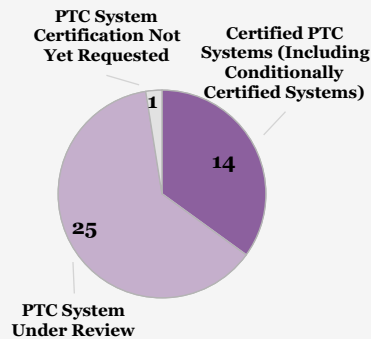
Steps Toward Full PTC System Implementation of Mandated Positive Train Control (PTC) Systems

Based on Railroads' Self-reported Progress as of June 30, 2020

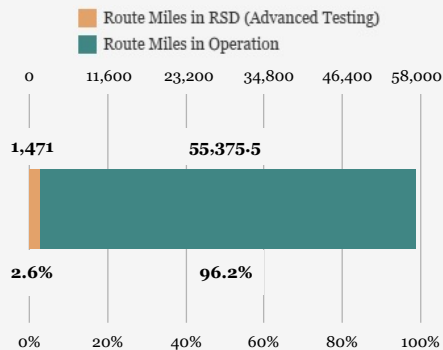
Reporting Period
2020 Q2

Railroads must implement PTC systems on the nearly 58,000 route miles subject to the statutory mandate. With all necessary PTC system hardware installed, spectrum acquired, and testing initiated by December 31, 2018, the key remaining steps for full implementation include conducting advanced testing on the general rail system, called revenue service demonstration (RSD), submitting a PTC Safety Plan and obtaining PTC System Certification from FRA, achieving interoperability between host railroads and tenant railroads, and activating the PTC system so it governs all operations on the required main lines.

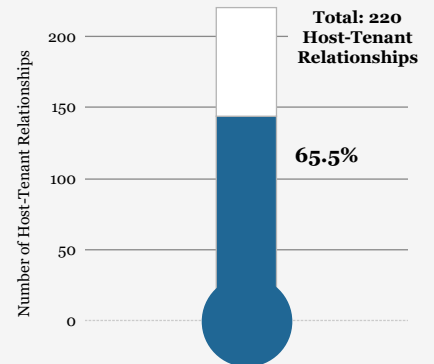
PTC System Certification Based on Host Railroads' PTC Safety Plans



Route Miles Where Host Railroads' Operations are Governed by PTC



Interoperable PTC Relationships



~\$3.4 Billion

Provided by US DOT in Grants and Loans for PTC System Implementation



December 31, 2020

Statutory Deadline for Full PTC Implementation (Unless a Railroad Specified an Earlier Deadline in Its PTC Implementation Plan)

*In a letter and revised PTCIP submitted in April 2020, Florida East Coast Railway (FECR) and Virgin Trains USA (VTUSA) confirmed VTUSA ceased passenger rail service as of March 26 and therefore FECR's lines are no longer subject to the statutory mandate. As such, FRA removed FECR from these graphics.