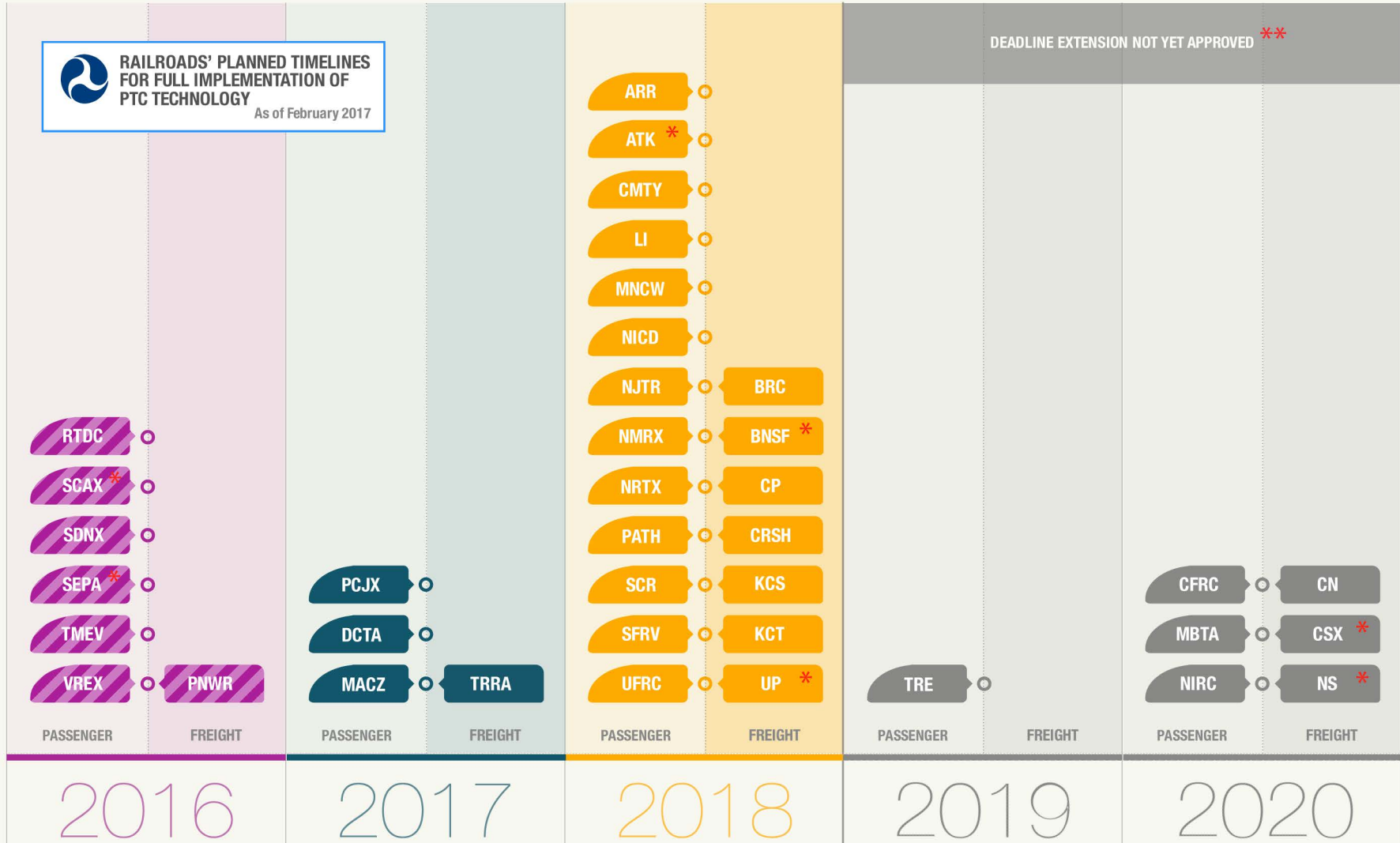




RAILROADS' PLANNED TIMELINES FOR FULL IMPLEMENTATION OF PTC TECHNOLOGY

As of February 2017



* PTC system is conditionally certified; railroad is close to reaching full PTC implementation.

** Target dates for full PTC implementation are based on the railroads' PTC implementation plans (PTCIPs), available on regulations.gov. No applications for extensions beyond the December 31, 2018 statutory deadline have yet been submitted by the railroads and approved by FRA.

These railroads did not meet their planned timelines for fully implementing PTC technology by December 2016.

RAILROAD NAME KEY

ARR Alaska Railroad
ATK Amtrak
BNSF BNSF
BRC Belt Railway Company of Chicago
CFRC Central Florida Rail Corridor
CMTY Capital Metropolitan Transportation Authority
CN Canadian National
CP Canadian Pacific Railway
CRSH Consolidated Rail Corporation - Conrail
CSX CSX Transportation
DCTA Denton County Transportation Authority
FECR Florida East Coast Railway
KCS Kansas City Southern Railway

KCT Kansas City Terminal Railway
LI Long Island Railroad
MACZ Marc Train Service
MBTA Massachusetts Bay Transit Authority
MNCW Metro North Commuter RR Co.
NICD Northern Indiana Commuter Transportation District
NIRC Northeast Illinois Regional Commuter Rail Corporation (Metra)
NJTR New Jersey Transit Rail Operations
NMRX New Mexico Rail Runner Express
NRTX Nashville Regional Transportation Authority
NS Norfolk Southern
PATH Port Authority Trans Hudson
PCJX Peninsula Corridor Joint Powers Board

PNWR Portland & Western Railroad
RTDC Regional Transit District Commuter
SCAX Southern California Regional Rail Authority
SCR Sounder Commuter Rail
SDNX North County Transit District
SEPA Southeastern Pennsylvania Transportation Authority
SFRV South Florida Regional Transportation Authority
TMEV Tri-Met Westside Express Service
TRE Trinity Railway Express
TRRA Terminal Railroad Association of St. Louis
UFRC Utah Transit Authority FrontRunner Commuter Rail
UP Union Pacific Railroad Co.
VREX Virginia Railway Express