
49 CFR Part 236 Subpart I

Status of the Rule

September 10, 2009
RSAC

**The NPRM
Comments Received
Public Hearing
PTC Working Group Reconvened
Discussion with Consensus,
Discussion with Partial Consensus, and
Discussion with Non-Consensus**

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NPRM Commenters (32)

- National Transportation Safety Board
- BNSF Railway
- American Short Line and Regional Railroad Association
- Friends of the Earth
- San Bernardino Railway Historical Society
- Trinity Railway Express
- American Train Dispatchers Association
- Brotherhood of Locomotive Engineers and Trainmen
- Brotherhood of Maintenance of Way Employees Division
- Brotherhood of Railroad Signalmen
- International Brotherhood of Electrical Workers
- United Transportation Union
- New York State Metropolitan Transportation Authority
- National Railroad Passenger Corporation
- GE Transportation
- Georjan G. Peters (J. L. Patterson & Associates)
- HCRQ, Inc/CANTRON
- Utah Transit Authority
- Pacific Southwest Railway Museum
- CALTRAIN
- APTA
- CSX
- CP
- Fertilizer Institute
- The Chlorine Institute
- Inversys-SAFETRAN
- NJ Transit
- Southern California Regional Rail Authority
- ASHTO
- Northern Indiana Commuter Transportation District
- American Chemistry Council
- Rod Fishburn (Citizen)

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Areas of Agreements

Section 229.135

Section 235.7

Section 236.1001

Section 236.1005(a)(1)(ii)

Section 236.1005(a)(4)(iii)

Section 236.1005(a)(4)(iv)

Section 236.1005(a)(4)(v) and (c)

Section 236.1005(a)(5)

Section 236.1005(b)

Section 236.1005(b)

Section 236.1017

Event Recorders

**Changes Not Requiring Filing
Of Application**

Purpose and Scope

Requirements for PTC System

Roadway Worker Zones

Movement And After Arrival

Mandatory Directives

Moveable Bridges

Hazard Detectors

Broken Rails

**Terminal Operations-Not Main
Line**

Determining 5 MGT

Independent V&V

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Areas of Agreements

Section 236.1033	Communications and Security Requirements
Section 236.1035	Field Testing Requirements
Section 236.1039	Operations and Maintenance Manual
Section 236.1041	Training and Qualification Program, General
Section 236.1043	Task Analysis and Basic Requirements
Section 236.1045	Training Specific to Office Control Personnel
Section 236.1047	Training Specific to Locomotive Engineers and Other Operating Personnel
Section 236.1049	Training Specific to Roadway Workers
Part 236 Appendix E	Human Machine Interface Design

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Areas of Disagreement - Resolved

Section 236.1009

**Procedural Requirements
(Simultaneous Submission of PTCIP and PTCDP)**

Agreed Solution:

**PTCIP May be Submitted with
A Previous Type Approval;
PTCDP; or,
PTCSP; or,
NPI (Notice of Product Intent)**

**If PTCIP Submitted with NPI
PTCIP May be Provisional Approved
Railroad has 9 months to file complete PTCDP
Failure to File In Time - PTCIP Disapproved
Retroactive to April 16, 2010 Filing
Subsequent Submission Same Review Period
As April 16, 2010 Review**

Working Group Approved

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Areas of Disagreement - Resolved

Section 236.1013 **PTCDP Content Requirements and Type Approval**

Agreed Solution: **Add NPI**

NPI Contents

- **Description of Railroad Operations**
- **Concept of Operations for Proposed Product**
- **Description of Target Safety Levels**
- **Description of How Proposed System will Enforce Authorities and Signal Indications**
- **Description of How Proposed System will Enforce Integrated Hazard Detectors**

Working Group Approved

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Areas of Disagreement - Resolved

Section 236.909

Minimum Performance Standards

Part 236 Appendix B

Risk Assessment Criteria

Appendix C

Safety Assurance Criteria and Processes

Appendix F

**Requirements of Independent Third-Party Safety
Verification and Validation**

Agreed Solution:

Clarification Text Developed

Working Group Approved

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Areas of Disagreement - Unresolved

Section 236.0	Applicability, Minimum Requirements, and Penalties
Section 236.1003	Definitions
Section 236.1005(a)(1)(ii)	Requirements for PTC Systems - Overspeed Derailments
Section 236.1005(a)(1)(iv), (a)(2)	Requirements for PTC Systems - Main Line Switches
Section 236.1005(a)(3)	Other PTC functions
Section 236.1005(a)(4)(i)	Integration of PTC System with Derails and Switches
Section 236.1005(a)(4)(ii)	Operating restrictions at Highway-rail Grade Crossings
Section 236.1005(b)	Baseline Traffic Year and Future Level Changes
Section 236.1005(b)	Class 1 PIH Lines
Section 236.1005(b)	RFA After Traffic Pattern Change

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Areas of Disagreement - Unresolved

Section 236.1005(c)	Hazard Detectors, Amplified
Section 236.1005(d)	Event Recorders
Section 236.1005(f)(1)	Train to Train Collisions - Amplified
Section 236.1005(a)(1)(iv), (a)(2)	Requirements for PTC Systems – Main Line Switches
Section 236.1005(g-k)	Temporary Rerouting - General Other PTC Functions
Section 236.1005(g-k)	Temporary Rerouting - Notifying FRA
Section 236.1006	Equipping Locomotives - Placement
Section 236.1006	Equipping Locomotives - Movement by Class II and III on Class I track
Section 236.1009	Cert Process, PTCIP (Joint Filings)
Section 236.1011	PTCIP Contents
Section 236.1013	PTCDP Contents and Type Approval
Section 236.1019	Main Line Track Exceptions
Section 236.1023	Errors and Malfunctions

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Areas of Disagreement - Unresolved

Section 236.1027

Section 236.1029

Section 236.1029

Section 236.1031

Exclusions

PTC System Use and En Route Failures

HMI View/Access by Crew

Previously Approved PTC Systems