

P1474.4

Submitter Email: a.rumsey@delcan.com
Type of Project: New IEEE Standard
PAR Request Date: 04-Feb-2009
PAR Approval Date: 19-Mar-2009
PAR Expiration Date: 31-Dec-2013
Status: PAR for a New IEEE Standard
Project Record: 1474.4

1.1 Project Number: P1474.4
1.2 Type of Document: Recommended Practice
1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System

3.1 Working Group: Communications Based Train Control Working Group (VT/RT/WG_2)
Contact Information for Working Group Chair

Name: Alan Rumsey
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Vehicular Technology Society/Rail Transit (VT/RT)

Contact Information for Sponsor Chair

Name: James Dietz
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Contact Information for Standards Representative
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2010
4.3 Projected Completion Date for Submittal to RevCom: 10/2011

5.1 Approximate number of people expected to be actively involved in the development of this project: 25

5.2 Scope: This recommended practice establishes a preferred approach for functional testing a CBTC system.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: The purpose of this recommended practice is to define a preferred sequence and extent of off-site and on-site functional testing for CBTC systems with the objective of maximizing test efficiency and effectiveness.

5.5 Need for the Project: IEEE Std 1474.1-2004 established performance and functional requirements for Communications-Based Train Control (CBTC) systems. IEEE Std 1474.3-2008 established a preferred approach to the allocation of functional requirements to the individual subsystems that make up a CBTC system. This new recommended practice will define a preferred approach to functionally testing a CBTC system, first in the factory, then on a test track, and finally in the field, with a goal of either eliminating expensive and time consuming field tests, where practical, or providing a high degree of confidence that field tests will be completed successfully.

5.6 Stakeholders for the Standard: Transit agencies, CBTC system suppliers

Intellectual Property

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board?: Yes

If yes, state date: 27-Jan-2009

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.c. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

8.1 Additional Explanatory Notes (Item Number and Explanation): 5.5: 1474.1: IEEE Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements

IEEE 1474.3: IEEE Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations