P1653.6

Submitter Email: ekim@ltk.com
Type of Project: Revision to IEEE Standard 1653.6-2013
PAR Request Date: 26-Sep-2017
PAR Approval Date: 06-Dec-2017
PAR Expiration Date: 31-Dec-2021
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 1653.6-2013

1.1 Project Number: P1653.6
1.2 Type of Document: Recommended Practice
1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Grounding of DC Equipment Enclosures in Traction Power Distribution Facilities

Changes in title: IEEE-Trial-Use Recommended Practice for Grounding of DC Equipment Enclosures in Traction Power Distribution Facilities

3.1 Working Group: VT/RT/1653.6_WG (VT/RTSC/1653.6_WG)
Contact Information for Working Group Chair
Name: Ethan Kim
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Vehicular Technology Society/Rail Transportation Standards Committee (VT/RTSC)
Contact Information for Sponsor Chair
Name: Thomas Kurihara
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2018
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 08/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 30
5.2 Scope: This document includes recommended practices for grounding of dc equipment enclosures installed in dc traction power distribution facilities. DC distribution facilities may include, but are not limited to, traction power substations, tie breaker stations, gap breaker stations, section huts, cross-tie substations, circuit breaker houses, and equalizer houses.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This document provides recommended practices for grounding dc equipment enclosures to system designers, transit authorities, system operators, and manufacturers of dc traction power distribution facilities.

5.5 Need for the Project: Grounding of dc equipment enclosures in Traction power Substations includes many features and challenges not found in ac power distribution systems. Grounding practices and methods for dc traction power applications vary throughout the industry and are not covered in IEEE Std 142- Recommended Practice for Grounding of Industrial and Commercial Power Systems, IEEE Std 80 - IEEE Guide for safety in AC Substation Grounding, or any other recommended practice. It is appropriate that the practices be documented with the input from the designers, users, and manufacturers.

IEEE Std 142- Recommended Practice for Grounding of Industrial and Commercial Power Systems = "Green Book"
5.6 Stakeholders for the Standard: Rail Transit Authorities, Rail Transit Maintenance Organizations, and Rail Transit Equipment suppliers.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. 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 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: The purpose of the PAR is to revise the "trial-use" designation to "full use" of the document.