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15 September 2006

Jim Dietz
LTK Engineering Services
100 W. Butler Avenue
Ambler, PA 19002
jdietz@ieee.org

Re: P1698 - Guide for the Calculation of Braking Distances for Rail Transit Vehicles

Dear Jim:

I am pleased to inform you that on 15 September 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1698.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 14 December 2006.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
FAX +1 732 875 0695
Email: s.hampton@ieee.org

CC: dthurston@systrausa.com

PAR Request Date: 20 June 2006**PAR Approval Date:** 15 September 2006**PAR Signature Page on File:** Yes**Type of PAR:** New IEEE Standard**Status:** PAR for a New IEEE Standard**Root Project:****1.1 Project No.:** **P1698****1.2 Type of Document:** Guide**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Guide for the Calculation of Braking Distances for Rail Transit Vehicles

2.1 Amendment/Corrigenda Title**3.1 Working Group Name**[IEEE WG 25 Safe Braking Distance Committee](#)**Working Group Chair**[Thurston, David](#)

Phone: 610 358 4396

Email: dthurston@systrausa.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Vehicular Technology Society Rail Transit \(VT/RT\)](#)**Sponsor Chair**[Dietz, Jim](#)

Phone: 215-641-8876

Email: jdietz@ieee.org

Name of Standards Liaison Representative (if applicable)**3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** January 2007**4.3 Projected Completion Date for Submittal to RevCom:** March 2008**5.1 Approximate number of people expected to work on this project:** 15**5.2 Scope:** This guide provides methods and assumptions used in calculating the braking distances of rail transit vehicles. The methods encompass automatic train protection and signal system operation, propulsion and brake system operation, environmental conditions, operator interfaces, tolerances, and failure modes.**5.3 Is the completion of this document contingent upon the completion of another document?** No**5.4 Purpose:** The design of automatic train protection and signal systems for rail transit vehicles requires knowledge of braking distance. This guide provides methods of performing braking distance calculations.**5.5 Need for the Project:** The guideline will create a uniform environment to define braking distance calculation for vehicle and train control procurement and maintenance.**5.6 Stakeholders for the Standard:** The stakeholders include transit agencies, railroads, suppliers of vehicles and train control systems.

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 Presented Date: 2006-01-03

If no, please explain:

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

If yes, please explain:

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

If yes, please explain:

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

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? No

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? Yes

Braking Distance calculations are used to approximate the stopping space required for trains and other transit vehicles for train control design considerations. This distance can be used to space wayside signals, or to adjust allowable speeds enforced by the train control system t protect against collision. It is also used to calculate the performance distance required to reduce speed prior to reaching a speed restriction along the right of way.

7.4 Additional Explanatory Notes:

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: