Minutes
IEEE Traction Power Substation Standards Sub-committee Meeting
September 12 and 13, 2011

Hosted by Edmonton Transit Systems
at World Trade Centre Edmonton 6th Floor 9990 Jasper Avenue
Edmonton, AB T5J 1P7

Monday, September 12, 2011
Meeting called to order Gary Touryan

Welcome greeting:
Edmonton Transit LRT Jamal Baroudi
Mr. Baroudi offered a welcome to the group that included a short history of Edmonton Transit as well as plans for the future.

Introductions All

VTS Vice President, Land Transportation Harvey Glickenstein
Mr. Glickenstein encouraged all to attend the Joint Rail Conference and consider submitting a technical paper, abstracts due October 1, 2011.
Mr. Glickenstein encouraged all who qualify to apply for Senior Member status to enhance the reputation of the VTS.

RTSC Committee Chair Jim Dietz
Mr. Dietz reviewed the importance of the IEEE Standards, worldwide, and the process for publishing those standards.

Next meeting location and date Gary Touryan
The next meeting will be in Philadelphia, Pa/ at Temple University in conjunction with the Joint Rail Conference. April 17 will be the Traction Power meeting day, April 18, Joint meeting, April 19 the OCS meeting.

RTSC /Web site Gary Touryan
Gary Touryan requested additional help for Steve Bezner with the TPS web page.

PatCom info/Balloting Gary Touryan
The IEEE Rules and recommendations for meetings was reviewed.

Minutes of the previous meeting Paul Forquer
The minutes of the previous meeting were approved.

Working Group Reports

P1653.1 Standard Practices and Requirements for Traction Power Rectifier Transformers, Vince Paparo
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
Standard P1653.2 D1 went to the IEEE for review in July. Mr. Paparo had to recommendations for working Groups:

1. When starting a new standard use the IEEE Format for standards from the start, it saves lots of time later on.
2. Working Groups should use “Go to Meeting” on a regular basis to make progress.

P1653.2 Standard for Uncontrolled Traction Power Rectifiers for Substation Applications Up to 1500 Volts Nominal Output
Gary Touryan reviewed the reports sent in by Steve Bezner and Ben Stell.

P1653.4 Standard for dc Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 Volts dc Nominal
Gary Touryan
Mr. Touryan reported that P1653.4 will be reviewed October 18th by the IEEE.

PC37.20.8 Standard for Metal-Enclosed Low-Voltage (3200V and below) Direct Current Power Circuit Breaker Switchgear for Traction Power Applications
Alan Blatchford reviewed the status of the standard. The Power Engineering Society has meeting October 10th.

C37.14 Standard for Low Voltage dc Power Circuit Breaker Used in Enclosure
Brian Gerzeny/Chuck Ross
Brian Gerzeny reviewed the status of the standard and the relation with PES. Brian will have a conference call before the PES meeting to consolidate standards and send to the PES Committee.

Traction Power System Coordination with Transit Vehicles
Jim Dietz
Jim Dietz gave a presentation on the interfaces between the traction power engineers and the vehicle engineers.

P1653.3 Use Guide for Traction Power Systems Modeling Mike Dinolfo

Discussion- Modeling guide:

1. Modeling guide draft Rev 46 was the topic of discussion.

2. It was agreed that the Modeling guide in its current state includes all items that WG members have proposed. The emphasis at this point will be to provide for necessary "touch ups" of the document to allow for transition to balloting.

3. Mike Dinolfo will work to make final edits necessary to comply with IEEE standards for formatting.

4. Discussion of the contents of Annex E (tabulation of train voltage levels on various systems) and Annex F (tabulation of rail-to-ground voltages on various systems) revealed that there may be some transit properties for which data is not included in these tables.
WG members are encouraged to provide any additional data to Mike Dinolfo for inclusion in the table(s).

5. (New) Annex G was discussed. WG members are encouraged to evaluate this annex in detail, as it has not been checked.

6. Other minor edits were discussed and incorporated into the draft document.

6. Mike Dinolfo will provide Rev 46 to Paul Forquer for subsequent distribution to WG members.

7. All WG members are encouraged to perform a final "pre-balloting" review of this document. Comments should be received by Mike Dinolfo as soon as possible (hopefully, not later than October 7). Mike Dinolfo will attempt to re-distribute any comments to the WG as soon as possible for resolution.

**P1653.5 Recommended Practice for Controlled Traction Power Rectifiers for Traction Power Substation Applications** Louie Luo

Discussion and comments All
Adjourn the first day meeting Gary Touryan

Dinner

Tuesday, September 13, 2010
Meeting called to order Gary Touryan

**P1653.6 Recommended Practice for Grounding in Systems Supplying Direct Current Traction Power** Ethan Kim/Paul Forquer

Discussion and comments All

**Traction Power Site Tour** All

Adjourn the second day meeting Gary Touryan
The IEEE Traction Power Technical Committee would like to thank Edmonton Transit for hosting the technical meetings and the following companies for their generous support to sponsor the meals during this conference.

POWELL

Hatch Mott MacDonald

CIMA Partners in excellence

SCHAFFNERMTC transformers