

**E7 Working Group – IEEE Guide for Electric Power Substation Physical and Electronic Security (1402)
2009 Fall Meeting – Nashville, TN
Wednesday, 5/21/09 8am-noon**

Meeting Notes

Chair: Hassein (Jack) Bashirian
Vice Chair: Gary Engmann
Secretary: Debra M. Longtin

Meeting called to order 8:10 by Chair Hassein (Jack) Bashirian.

The following members were in attendance:

Hassein (Jack) Bashirian	Randy Clelland	Dewan Jamir
Debra Longtin	Allen Love	Mike Noori
Hamid Sharifina	Steve Shelton	Diane Watkins

The following guests were in attendance:

Matt Bauer	Tom Davey	
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The main agenda item for this meeting was to come up with an outline and deliverables for the revision of this standard. Much discussion was held concerning the scope and intent of the standard. What are we trying to protect from, normal intrusion into the substation or extreme terrorism? This standard will attempt to cover most typical “normal” intrusions, and will mention measures that can be considered in extreme cases.

Several members of the C group will assist in working on the electronic (surveillance) portion of the guide. They will likely meet in January at the JTCM each year and will also join the substation engineers at the annual meetings. Thus this working group will consist of two parts: electronic and physical. The “electronic” group will meet in January and in May. The “physical” group will meet in May and October. Feel free to attend any and all of the three meetings each year. It will be crucial to have as many members as possible attend the annual meetings in May since that will probably be the only time the entire group will be together. Get your passport if you don’t already have one! Montreal here we come!

Jack presented a scope paragraph for using both in the standard and in the PAR. The group discussed and made minor modifications. A statement will be included in the scope explaining that this standard does not cover cyber security, since it is covered in depth in another standard being developed. The title of the standard will be changed to indicate that the electronic part is for surveillance, not cyber. The scope will be discussed at the January meeting and then finalized for the PAR.

The group discussed the creation and administering of a survey of substation security practices. The last survey was completed around 1994 so the group felt that it would be a good idea. More research is needed into what the last survey included, what a new survey should include, and the mechanics of who to send it to and how to get it done.

Some thoughts from the meeting captured here for future reference when revising the document:

- Section 7 to be deleted, survey too old. Maybe section 7 would become "Design
- Mesh and other non-standard fence material
- Polymer vs porcelain to minimize damage from exploding porcelain?
- More discussion on cameras and other recent surveillance measures
- Mention in the guide that the user needs to also be aware of NERC and other requirements.
- Discuss copper theft? Does IEEE 80 talk about copper theft?

Action Items:

1. Randy will ask IEEE for a WORD copy of the standard to post of the website – due by end of October 2009. Note: the website contains the e-mail addresses of Jack and Deb for use in sending back comments.
2. Deb will send a link and directions to the website after the document is posted.
3. Everyone should review the document and provide comments to Jack by the end of December 2009. Comments for the outline as well as the document content itself are requested.
4. Everyone should send their ideas for a potential survey to Deb by the end of March 2010
5. Deb will contact Dave Harris to see if he has a copy or knowledge of the last survey. (end of March 2010)
6. Hamid will contact Anne-Marie, John, Bob, Hanna, etc. to see if any of them have knowledge of the last survey. (end of March 2010)
7. Matt will talk to Gary to see what he knows about the last survey. (end of March 2010)
8. Jack will send the scope to the group for their review in March 2010 after the January meeting.
9. Jack will complete the scope and create the PAR with Randy's assistance as needed by May 2010.

Future Meetings:

- Orlando, January 11-15, 2010 (Joint Technical Committee Meeting)
- Montreal, QB May 16-21, 2010 (Annual Substations Committee Meeting)

Meeting Adjourned at 11:00

Debra M. Longtin