

**THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS,
INC.**



**INDUSTRY APPLICATION SOCIETY
Industrial and Commercial Power Systems Department
TBCC – P3006 Reliability Working Group**

CHAIR	VICE CHAIR	SECRETARY
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The Working Group met on Sunday, October 18, 2015 at 3 PM in the Crystal III Room of the Dallas Intercontinental Hotel.

The meeting was attended by Neal Dowling (MTechnology), Robert Arno (Harris Corp.), Dennis Neitzel (AVO Training Institute), Mike Simon (Madison Metro Sewerage District), Bob Schuerger (Harris Corp.), Masoud Pourali (Kimia Power), Krassimir Kutlev (ABB), P. (Ben) Chavdarian (Port of Long Beach), Thomas Foppe (Siemens), Paat Roder (IEEE), Chris Thompson (US Army Corps of Engineers/ George Washington University), and Joe Weber (ASCO Power Technologies).

Bob Arno called the meeting to order and asked everyone for self-introductions.

Old Business

The Working Group and Subcommittee need a Secretary, Bob asked for a volunteer.

Three Dot standards have been released (3006.7, 3006.9, 3006.5). The reliability evaluation Dot standard, 3006.2, draft is ready for balloting and Bob asked that invitations be sent out to be aware of this.

New Business

The new reliability data Dot standard, 3006.8, was discussed. Chris Thompson gave a status report. Bob Arno would like to circulate the draft among the working group. Masoud asked about how data was merged from the earlier version and Chris explained this. Bob's desire is for reviewers of the draft to challenge everything. He reviewed the history of PREP and the methods used. He also mentioned Maximo as an example of a computerized maintenance management system (CMMS) that can be used to capture reliability-related information.

Bob again asked for a volunteer for the position of Secretary.

The status of the maintenance Dot standard, 3006.3, was discussed. Bob Schuerger would like to extract the RCM-related part of 3007.2 and place it in this standard. It was noted that this section was Chapter 5 in the Gold Book. Bob Arno's paper on maintenance optimization was mentioned. Dennis pointed out the RCM is in NFPA 70B, too. The difference between RBM and RCM was discussed briefly. Bob Schuerger will send Bob Arno a draft of the standard.

The possibility of forming a new working group to look at reliability tools was discussed. The GO tool was discussed briefly, as was the fact that USACE has looked at many available tools. Masoud asked what would be

the end goal of such a standard. It was decided to discuss this further during the subcommittee meeting the next day.

Masoud suggested that it is a good time consider different ways of analyzing failure data. He mentioned the work that the NRC has done using Bayesian analysis of common cause failures.

The meeting was adjourned at 3:45 PM.