



Electrical Technologies Panel Meeting

June 28-29, 2010

Philadelphia, PA

Minutes

Monday June 28th

The meeting opened with an introduction of all of the team members. This first order of business was to review the agenda and make any necessary changes. Once this was accomplished, the team reviewed the survey results from the last meeting and started a general discussion about projects for 2011. At 2:00 pm, we had the privilege of having Captain Lynn Petersen (PMS 320) present to the team a presentation on Navy Hybrid Electric Drives. The presentation was very informative and it gave the group a better understanding of where the Navy was headed in the area of electric (drives). Following the presentation, the team traveled to the Philadelphia Navy yard and took a tour of the DDG 1000 Integrated Power System (IPS) Land Based Test Site (LBTS). The tour was very informative and was enjoyed by all who attended. *(Special Thanks to Jim Mays for all of his efforts to coordinate the tour! Thanks Jim)*

Tuesday June 29th

The meeting started off Tuesday morning with each panel project lead giving an update on their panel project. Jason Farmer (NGSB-GC) started and updated the team on his progress with his project "Solid-State Ship Lighting System Evaluation".

Greg Stevens (GD-BIW) gave an update on his project "[Reduction of Electrical Cable Tags](#)".

The panel project review finished with Dan Morris (Kitco) giving the team an update of the [Fiber Optic Tester with Go-No-Go Acceptance Criteria project](#). Since this project has not started yet, Dan gave the team an overview of the project and what were the expected outcomes.

The remainder of the meeting consisted of reviewing the brainstorming ideas and narrowing it down to the top projects. Below is a list of the top eight projects that were remaining after a long very fruitful discussion.



Topic	Point of Contact (POC)	Total Ownership Cost (TOC)	Quality	Green
Mounting of cables	Gary Zimak	X	X	x
Cable Banding	Walt Skalniak/Greg Stevens	X	X	X
Bonding and Grounding	John Layman	X	X	X
Hybrid Electric Drives (new design and backfit); Theory manual or draft specification	Greg Stevens/NAVSEA	X	x	x
Use of COTS gear on board (shock hardened); pick a piece of equipment and propose a method to do this	Greg Stevens/EB	X	X	
Common Three Phase Transformer Bank vs. Three Individual Transformers	Darren Brick	X	X	
Quick Connect Lighting (Plug n Play)	Lanny Ray	X	X	
Insulated Bus Installation Procedure	Charlie Smith/NAVSEA	X	X	

The next step in the process is to generate white papers to help us narrow down the projects to the top three to four. ATI should be sending me the latest guidelines and timeline within the next week or so and as soon as I receive them I will send them out the above POC. I do need an EB or BIW POC. Please provide me a name as soon as possible.

Conclusion

The meeting wrapped up with a discussion concerning the winter meeting that will be held in conjunction with the SNAME Expo (<http://www.snameexpo.com/2010/>) in Seattle, Washington on November 3-5, 2010. There were concerns about having the meeting on Monday afternoon and Tuesday before the conference since Tuesday is Election Day. I asked for everyone's opinion and the majority of the people who will be attending felt that Monday and Tuesday would be better. Also I understand trying to get out of Seattle on Friday can be difficult. Therefore, I would like to keep with the original plan to meet Monday afternoon from 12:00 noon to 4:00 pm and Tuesday from 8:00 am to 4:00 pm or later if necessary.

