NPEC SC-4 Working Group 4.4
Meeting Minutes April 14, 2011

1. Chairman, Bruce Lord, called the meeting to order at 12:30PM.

2. Attendance (■ - present, A - absent, S – absent with substitute)

Members

A	Brock, D.	■	Kodali, H.
A	Carter J. P.	■	Goodney, D.
A	Daverio, R.	A	Thakur, S.
A	Krvavac, J.		
■	Lord, B.		
A	Mallanda, J.		
A	Sehi, D.		
A	Stark, R.		
A	Thompson, J.		

Corresponding Members

A	Dispigna, A.		
A	Jamerson, Terry		

Guests

■	Kevin Littrell		

3. Bruce started with given an overview of the IEEE 1290. The discussion is followed by going over the action items previously assigned. New action items are assigned as indicated in the list below.

4. Next meeting is scheduled for July 25th & 26th , 2011 at Dana Point, Ca.

5. Meeting adjourned at 1:30PM (EST)

Action items

Item #	Assigned to	Action	Due	Status
10-1	Stark	Conduct CDBI review for IEEE 1290 impacts	07/19/2010	Completed
10-2	Lord	Obtain the word file of the latest Standard IEEE 1290	9/15/2010	Completed
10-3	Sehi	Check the word file of IEEEE 1290 against its PDF version (Sehi)	04/22/2011	Completed
10-4	Thompson	Contact Rotorque for recruiting.	9/15/2010	Completed
10-5	Sehi	Determine ComEd Motor method status/availability (i.e., open source) Contact John Bonner	9/15/2010	Completed
10-6	Carter	Review other IEEE Stds for MOV applicability	9/15/2010	Completed
10-7	Goodney	Determine if BWR Owners Group Valve Tech Review has potential IEEE 1290 input	9/15/2010	Completed. Dale is liason.
10-9	Brock	Identify and contact vendors which will be providing MOVs for AP 1000	9/15/2010	Still Early Venders not yet selected.
10-10	Stark	Identify and contact vendors which will be providing MOVs for AREVA's EPR	9/15/2010	Still Early Venders not yet selected.
10-11	Lord	Identify and contact vendors which will be providing MOVs for US-APWR Design - Mitsubishi	9/15/2010	Still Early Venders not yet selected.
10-12	Lord	Torque switch setting in general –some control scheme may offer better repeatability.	05/20/2011	In progress
10-13	Krvavac	Motor running current need to be expanded based on the new design of the motor	05/20/2011	In progress
10-14	Lord	Need to Expand testing section of the MOVs - Discuss the issue with DiSpigna	05/20/211	In Progress
10-15	Thompson	Contact with his colloquies who have current testing experiences and see if they are willing to share they experiences	03/15/2011	Completed
10-16	Kodali	Identify and contact vendors which will be providing MOVs for Korean electric power company Motor actuated butterfly valves	04/08/2011	Completed

		Safety: Local vendors - Samshin, DK See; Overseas vendors - Flow Serve, Weir General service: Local - Cephas Pipelines, Sejin, Seokwang, DK See; Overseas - Bray, Weir Seawater service: Local - Sejin, Samshin, HIM Tech, DK See; Overseas - Bray, Weir <u>Motor actuated gate & globe valves</u> Safety: Local only - Samshin, Buman Non-safety: Local only - Samshin, Buman Highlighted vendors are the successful bidders for Shin-Kori 3&4. <u>Samshin and Sejin</u> Samshin and Sejin use Limitorque actuator for their butterfly, gate and/or globe valves. Limitorque uses mechanical limit switch and torque switch combination with no electronic controls involved. Both Samshin and Sejin let Limitorque set the limit switch per stroke distance provided in the respective valve data sheet and let Limitorque set the torque switch per Limitorque default setting. <u>Sephas</u> Sephas uses AUMA actuator for its butterfly valves. Similar to Samshin and Sejin, Sephas let AUMA set its limit switches and torque switches. <u>Note</u>: KE&C requires limit switches and torque switches to be terminated by the vendor in such way that they are externally accessible. The purpose of this requirement is that the butterfly valve control could be externally programmed so that the valve opening and closing is limit stopped at the full open and full closed position, while the gate and globe valve can be programmed so that the valve is torque-seated when fully closed and limit-stopped when fully opened. This control scheme is externally programmed in the DCS by the buyer.		
10-17	Krvavac	Responsible for the entire Section 5.0	06/20/2011	
10-18	Mallanda	Responsible for Reference Section 2.0	06/20/2011	
10-19	Thompson	Responsible for Sections 1 and 3	06/20/2011	
10-20	Kodali/Dispigna/ Stark	Responsible for Section 6.0 (Kodali is responsible for 6.1, 6.2, 6.3, & 6.4)	06/20/2011	

10-21	Brock	Responsible for Section 7.0	06/20/2011	
10-22	Lord	Responsible for Section 4.0	06/20/2011	
10-23		Responsible for Integration	07/26/2011	