



**PES/NPEC SC-4: Working Group 4.6 - Preferred Power Supply  
Meeting Minutes for S16-01**

**Cocoa Beach, FL  
January 26, 2016**

**1. Welcome and Introduction**

Chairman George Attarian called the meeting to order at 2:07, January 26, 2016. The membership roster was reviewed and updated. See Attachment 1 for an updated list of members and guest who were in attendance.

**2. Review of Meeting Minutes and Agenda**

The Meeting Minutes for S15-01 were reviewed and approved with minor changes. Corrections will be sent to the webmaster for update.

The agenda was as follows:

January 25 2:00 PM – 3:00 PM		Presenter
Location: Doubletree Cocoa Beach Oceanfront		
1.	Welcome and Introductions	George Attarian
2.	Review of Past Meeting Minutes	Tammy Womack
3.	IEEE 1792 - Preview Summary	Working Group
4.	NRC Update: Frequency Requirements and Endorsement of 765	Kenn Miller
5.	Change in WG Leadership	George Attarian
6.	New Action Items	Tammy Womack
7.	Closing Remarks	George Attarian
	ADJOURN	

Motion to approve: Gene Polleto

Second: Steven Hutchins

**3. Action Items**

Item #	Assigned to	Action	Due	Status
12-3	Roy Mathew / Ken Miller	Review the need to add requirements in 1792 for frequency similar to existing voltage requirements at nuclear plants. Review the documents that reference grid frequency relaxation and how they impact nuclear plants. Harvey provided initial published information to Ken Miller. Roy Mathew and Ken Miller to retrieve NERC standard associated with limits on grid frequency to send to the 4.6 working group.	15-02	Closed 16-01



**PES/NPEC SC-4: Working Group 4.6 - Preferred Power Supply  
Meeting Minutes for S16-01**

**Cocoa Beach, FL  
January 26, 2016**

14-6	K. Miller	NRC to review endorsement of 765 for the general design requirements.	15-02	Closed 16-01

Additional information for Action item 12-3 closure: After description of review made by Kenn Miller, the working group has determined there are probable impact to both IEEE Stds. 765 and 1792. All members were asked to re-review the standards and send all members of the working group any additional issued documents which hold requirements for the transmission system.

Additional information for Action item 14-6 closure: NRC is in the process of producing a Reg Guide for endorsement of 765. While it a specific schedule for completion is not available, is in process and there are no anticipated technical reasons the NRC would not be able to complete this.

**No new action items were added**

**4. Review of Membership/Attendance**

The list of members and guest which were in attendance is included in Attachment 1. 15 of the 27 working group members were present to establish a quorum.

**5. Specific Items Related to Standard 765**

Due to an industry group question on open phase, the working group will continue to monitor the outcome and determine if additional requirements should be added to the standard.

Additional discussion of the relaxation of frequency requirements shows there are potential impacts to the standard. Additional review of published transmission requirements will be required in order to determine if changes are required. This topic will be reviewed in greater detail during the next working group meeting in 16-02.

**6. Specific Items Related to Standard 1792**

NPEC preview has been approved by SC-4 and will be presented at tomorrow's (16-01) meeting. Very limited comments, all editorial in nature, were received from members of NPEC.

As with Standard 765, Standard 1792 will have further evaluation for changes associated with relaxing the frequency requirements. Review of published requirements will be reviewed and determination if changes will be required. This topic will be reviewed in greater detail during the next working group meeting in 16-02.

**7. General Items/New Business**



**PES/NPEC SC-4: Working Group 4.6 - Preferred Power Supply  
Meeting Minutes for S16-01**

**Cocoa Beach, FL  
January 26, 2016**

George Attarian announced his retirement of Chair position and has informed SC-4. Tamatha Womack will be moving up to the Chairman position. Request that anyone interested in being a member of the leadership of WG-4.6 contact Tamatha Womack was made.

**8. Next Working Group Meeting**

Next working group meeting will be held in conjunction with SC-4 16-02 meeting scheduled to be in Denver, CO.

**9. Meeting Closing Remarks/Adjournment**

Meeting adjourned at 3:10.



## ATTACHMENT 1

### Attendance/Membership

Member #	Member Name	Email Address	In Attendance
1	George Attarian	<a href="mailto:george.attarian@pgnmail.com">george.attarian@pgnmail.com</a>	Yes
2	Jason Bellamy	<a href="mailto:jbellamy@enercon.com">jbellamy@enercon.com</a>	Yes
3	Mark Bowman	<a href="mailto:mdbowman@tva.gov">mdbowman@tva.gov</a>	Yes
4	Paul Colaianni	<a href="mailto:paul.colaianni@duke-energy.com">paul.colaianni@duke-energy.com</a>	Yes
5	John Disosway	<a href="mailto:john.disosway@dom.com">john.disosway@dom.com</a>	No
6	Ken Fleischer	<a href="mailto:fk700@bellsouth.net">fk700@bellsouth.net</a>	No
7	Chris Georgeson	<a href="mailto:cgeorgeson@ieee.org">cgeorgeson@ieee.org</a>	No
8	Dave Gladey	<a href="mailto:dlgadey@pplweb.com">dlgadey@pplweb.com</a>	No
9	Evan Heacock	<a href="mailto:evansheacock@dpengineering.com">evansheacock@dpengineering.com</a>	No
10	Steve Hutchins	<a href="mailto:steven.hutchins@exeloncorp.com">steven.hutchins@exeloncorp.com</a>	Yes
11	Ayodele Ishola-Salawu	<a href="mailto:ayodele.ishola-salawu@fpl.com">ayodele.ishola-salawu@fpl.com</a>	No
12	Edvin Kozo	<a href="mailto:edvin.kozo@aps.com">edvin.kozo@aps.com</a>	No
13	Harvey Leake	<a href="mailto:hleake@earthlink.net">hleake@earthlink.net</a>	No
14	Tim Lensmire	<a href="mailto:timothy.lensmire@nee.com">timothy.lensmire@nee.com</a>	Yes
15	Kevin Littrell	<a href="mailto:klittrell@enercon.com">klittrell@enercon.com</a>	Yes
16	Roy Lyon	<a href="mailto:rrlyon@southernco.com">rrlyon@southernco.com</a>	No
17	John Mallanda	<a href="mailto:johnjmallanda@gmail.com">johnjmallanda@gmail.com</a>	No
18	Singh Matharu	<a href="mailto:gurcharan.matharu@nrc.gov">gurcharan.matharu@nrc.gov</a>	Yes
19	Kenn Miller	<a href="mailto:kenn.miller@nrc.gov">kenn.miller@nrc.gov</a>	Yes
20	John Minley	<a href="mailto:jeminley@southernco.com">jeminley@southernco.com</a>	Yes
21	Gene Poletto	<a href="mailto:gpoletto@performancepowerservices.com">gpoletto@performancepowerservices.com</a>	Yes
22	Gregg Reimers	<a href="mailto:gar0@pge.com">gar0@pge.com</a>	No
23	Myat San	<a href="mailto:myat.san@exeloncorp.com">myat.san@exeloncorp.com</a>	Yes
24	Shawn Simon	<a href="mailto:SimonsSM@INPO.org">SimonsSM@INPO.org</a>	No
25	Tom Solinsky	<a href="mailto:solinskyt@zhi.com">solinskyt@zhi.com</a>	Yes
26	Sudhir Thakur	<a href="mailto:sudhir.thakur@exeloncorp.com">sudhir.thakur@exeloncorp.com</a>	Yes
27	Tamatha Womack	<a href="mailto:tawomack@tva.gov">tawomack@tva.gov</a>	Yes
Corresponding Members		Email Address	
Farouk Baxter		<a href="mailto:faroukbax@gmail.com">faroukbax@gmail.com</a>	
Kali Hara		<a href="mailto:haraks@ieee.org">haraks@ieee.org</a>	
Jerry Nicely		<a href="mailto:jnconsulting@epbfi.com">jnconsulting@epbfi.com</a>	
David Sehi		<a href="mailto:dsehi@enercon.com">dsehi@enercon.com</a>	
Tom Sims		<a href="mailto:t.r.sims@ieee.org">t.r.sims@ieee.org</a>	
Oon-Pyo Zhu		<a href="mailto:zhu@kins.re.kr">zhu@kins.re.kr</a>	
Ijaz Ahmald		<a href="mailto:ljaz.ahmad@luminant.com">ljaz.ahmad@luminant.com</a>	
Bob Carruth		<a href="mailto:r.c.carruth@ieee.org">r.c.carruth@ieee.org</a>	
Justin Lane		<a href="mailto:justin.lane@pseg.com">justin.lane@pseg.com</a>	