Survey Report

Survey Details

 Name
 2008-02.2 Phase 2 UVLS PRC-004-5 & PRC-010-5

 Description
 2/20/2015

 Start Date
 4/8/2015

Associated Ballots

2008-02.2 Phase 2 UVLS PRC-004-5 & PRC-010-2 IN 1 ST

Survey Questions

See the Unofficial Comment Form on the **Project Page** for additional background information.

If you would like to bypass taking the survey, click the radio button and scroll down to submit the survey.

This will allow you to view Social Survey and agree / disagree with an already posted comment using the "thumbs up / thumbs down" feature.

Submitting a "thumbs up / thumbs down" on another entity's comment enables a negative vote to count in the

calculation of consensus.

1. Do you agree that the Misoperation identification and correction of UVLS equipment as retired by PRC-022-1, Requirements R1 and R1.5 is addressed by the proposed revisions of PRC-004-5 and PRC-010-2?

If not, please provide comments and suggestions to improve clarity.

Yes No

Responses By Question

See the Unofficial Comment Form on the <u>Project Page</u> for additional background information.

John Fontenot -	Bryan Texas Utilities - 1 -		
Selected Answer:	:		
Answer Comme	nt:		
Document Name	: :		
Likes:	0		
Dislikes:	0		

John Fontenot - Bryan Tex	as Utilities - 1 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Ken Lindberg - Bryan Texa	s Utilities - 5 - TRE		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Glenn Pressler - CPS Ener	gy - 1 -		
Selected Answer:			
Answer Comment:			
Document Name:			

Likes:	0		
Dislikes:	0		
Ken Lindberg - Bryan T	exas Utilities - 5 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
John Williams - Tallaha	ssee Electric (City of Tallah	assee, FL) - 3 -	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Dennis Minton - Florida	Keys Electric Cooperative	Assoc 1 -	
Selected Answer:			

Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Gul Khan - Gul Khan On Behalf of: F	Rod Kinard, Oncor Electric Delivery, 1
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
 Charles Yeung - Southwest Power F	Pool, Inc. (RTO) - 2 - SPP
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0

Dana Wheelock - Seattle	City Light - 3 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Glenn Pressler - CPS End	ergy - 1 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Thomas Foltz - AEP - 5 -			
Selected Answer:			
Answer Comment:			

Document Name:		
Likes:	0	
Dislikes:	0	
Si Truc Phan - Hydro-Qu	?bec TransEnergie - 1 - NPCC	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
David Jendras - Ameren	- Ameren Services - 3 -	
Selected Answer:		
Answer Comment:		
Answer Comment: Document Name:		
	0	

Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Dennis Minton - Florida k	Keys Electric Cooperativ	e Assoc 1 -	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
John Merrell - Tacoma Po	ublic Utilities (Tacoma, V	VA) - 1 -	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		

Dislikes:	0
Michael Jones - National Grid US	A - 1 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Michael Shaw - Lower Colorado R	River Authority - 6 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Brian Shanahan - National Grid U	SA - 3 -
Selected Answer:	

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- Florida Keys Electric Coopera	ive Assoc 1 -		
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- M and A Electric Power Coop	erative - 3 -		
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	ne: O O - Florida Keys Electric Cooperator: ent: o O O O - M and A Electric Power Cooperator: ent: ent: o O O O	o - Florida Keys Electric Cooperative Assoc 1 - r: ent: 0 0 0 - M and A Electric Power Cooperative - 3 - r: ent: 0 0	o - Florida Keys Electric Cooperative Assoc 1 - r: ent: 0 0 2 - M and A Electric Power Cooperative - 3 - r: ent: 0 0

John Fontenot - Bryan Texa	as Utilities - 1 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
christina bigelow - Electric	Reliability Council of T	exas, Inc 2 -	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Chris Scanlon - Exelon - 1 -			
Selected Answer:			
Answer Comment:			
Document Name:			

Likes:	0	
Dislikes:	0	
Shari Heino - Brazos Electi	ic Power Cooperative, Inc 5 -	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Shari Heino - Brazos Electi	ic Power Cooperative, Inc 5 -	-
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

Selected Answer:	Selected Answer:			
Answer Comment:	Answer Comment:			
Document Name:				
Likes:	0			
Dislikes:	0			
Kaleb Brimhall - Colorad	o Springs Utilities - 5 -			
Selected Answer:				
Answer Comment:				
Document Name:				
Likes:	0			
Dislikes:	0			
Barb Nutter - Other - NA	Barb Nutter - Other - NA - Not Applicable - NA - Not Applicable			
Selected Answer:				
Answer Comment:				
Document Name:				
Likes:	0			

Dislikes:	0		
Lee Pedowicz - Northea	ast Power Coordinating Cou	ncil - 10 - NPCC	
Error: Subreport could no	ot be shown.		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Dennis Chastain - Tenr	nessee Valley Authority - 1,3,	5,6 - SERC	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Matt Culverhouse - City of Bartow, Florida - 3 -			
Selected Answer:			

Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Payam Farahbakhsh - Hydro One Ne	etworks, Inc 1 -	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Mark Wilson - Mark Wilson On Beha	olf of: Leonard Kula, Independent Electricity System Operator, 2	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

Jeni Renew - SERC Reliability Corporation - 10 - SERC			
Error: Subreport could not	be shown.		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Rachel Coyne - Texas Re	eliability Entity, Inc 10 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Oliver Burke - Entergy - Entergy Services, Inc 1 -			
Selected Answer:			

Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
 Gul Khan - Gul Khan On Behalf of: F	Rod Kinard, Oncor Electric Delivery, 1	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Kathleen Black - DTE Energy - 3,4,5	- RFC	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

Catherine Wesley - PJM I	Catherine Wesley - PJM Interconnection, L.L.C 2 - SERC,RFC				
Selected Answer:	Selected Answer:				
Answer Comment:					
Document Name:					
Likes:	0				
Dislikes:	0				
Richard Vine - California	Richard Vine - California ISO - 2 -				
Selected Answer:	Selected Answer:				
Answer Comment:					
Document Name:					
Likes:	0				
Dislikes:	0				
Brian Evans-Mongeon - Utility Services, Inc 4 -					
Selected Answer:	Selected Answer:				
Answer Comment:	Answer Comment:				
Document Name:					

Likes:	0	
Dislikes:	0	
Colby Bellville - Duke Ene	rgy - 1,3,5,6 - FRCC,SERC,RFC	
Error: Subreport could not b	e shown.	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Paul Malozewski - Hydro (One Networks, Inc 3 -	
Selected Answer:		
Answer Comment:		
Document Name:	Hydro One Comment on Project 2008-02.2.docx	
Likes:	0	
Dislikes:	0	

Geo	George Tatar - Black Hills Corporation - 5 -		
Sele	Selected Answer:		
Ans	Answer Comment:		
Doc	eument Name:		
Like	es:	0	
Disl	ikes:	0	
Jase	Jason Marshall - ACES Power Marketing - 6 - MRO,WECC,TRE,SERC,SPP,RFC		
Erro	Error: Subreport could not be shown.		
Sele	Selected Answer:		
Ans	wer Comment:		
Doc	ument Name:		
Like	es:	0	
Disl	ikes:	0	
Sha	Shannon Mickens - Southwest Power Pool, Inc. (RTO) - 2 - SPP		
Erro	Error: Subreport could not be shown.		
Sele	cted Answer:		

A	Answer Comment:		
D	ocument Name:		
Li	kes:	0	
Di	islikes:	0	
Da	aniela Hammons - CenterPoint Ene	ergy Houston Electric, LLC - 1 - TRE	
Se	elected Answer:		
A	nswer Comment:		
De	Document Name:		
Li	kes:	0	
Di	islikes:	0	
Pa	Paul Shipps - Lakeland Electric - 6 -		
Se	elected Answer:		
A	nswer Comment:		
De	ocument Name:		
Li	kes:	0	
Di	islikes:	0	

Sergio Banuelos - Tri-State	Sergio Banuelos - Tri-State G and T Association, Inc 1,3,5 - MRO,WECC		
Selected Answer:	Selected Answer:		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Oshani Pathirane - Hydro O	One Networks, Inc 1 - NPCC		
Selected Answer:			
Answer Comment:			
Document Name:	Hydro One's additional comments on Project 2008-02.2.docx		
Likes:	0		
Dislikes:	0		
Molly Devine - IDACORP - Idaho Power Company - 1 -			
Selected Answer:	Selected Answer:		
Answer Comment:	Answer Comment:		
Document Name:			

Likes:	0
Dislikes:	0
Cain Braveheart - Bonneville Power	Administration - 1,3,5,6 - WECC
Error: Subreport could not be shown.	
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Terry Blike - Midcontinent ISO, Inc	- 2 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0

Bernard Johnson - Oglethorpe Power Corporation - 5 -		
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

If you would like to bypass taking the survey, click the radio button and scroll down to submit the survey.

This will allow you to view Social Survey and agree / disagree with an already posted comment using the "thumbs up / thumbs down" feature.

Submitting a "thumbs up / thumbs down" on another entity's comment enables a negative vote to count in the calculation of consensus.

John Fontenot - Bryan Te	John Fontenot - Bryan Texas Utilities - 1 -		
Selected Answer:	I want to bypass taking the survey		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		

John Fontenot - Bryan Texas Utilities - 1 -			
Selected Answer:	I want to bypass taking the survey		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Ken Lindberg - Bryan Texas Utilitie	Ken Lindberg - Bryan Texas Utilities - 5 - TRE		
Selected Answer:	I want to bypass taking the survey		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Glenn Pressler - CPS Energy - 1 -			
Selected Answer:	I want to bypass taking the survey		
Answer Comment:			
Document Name:			

Likes:	0
Dislikes:	0
Ken Lindberg - Bryan Texas Uti	lities - 5 -
Selected Answer:	I want to bypass taking the survey
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
John Williams - Tallahassee Ele	ectric (City of Tallahassee, FL) - 3 -
Selected Answer:	I want to bypass taking the survey
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Dennis Minton - Florida Keys E	lectric Cooperative Assoc 1 -

Selected Answer:				
Answer Comment:				
Document Name:				
Likes:	0			
Dislikes:	0			
Gul Khan - Gul Khan On B	ehalf of: Rod Kinard, Onco	or Electric Delivery, 1		
Selected Answer:				
Answer Comment:				
Document Name:				
Likes:	0			
Dislikes:	0			
Charles Yeung - Southwes	Charles Yeung - Southwest Power Pool, Inc. (RTO) - 2 - SPP			
Selected Answer:	I want to bypass	s taking the survey		
Answer Comment:				
Document Name:				
Likes:	0			

Dislikes:	0	
Dana Wheelock - Seattle City Light - 3 -		
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Glenn Pressler - CPS Ener	rgy - 1 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Thomas Foltz - AEP - 5 -		
Selected Answer:		
Answer Comment:		

Document Name:			
Likes:	0		
Dislikes:	0		
Si Truc Phan - Hydro-Qu?bec Tran	sEnergie - 1 - NPCC		
Selected Answer:	I want to bypass taking the survey		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
David Jendras - Ameren - Ameren	David Jendras - Ameren - Ameren Services - 3 -		
Selected Answer:	I want to bypass taking the survey		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		

ı	Mike Smith - Manitoba Hydro - 1 -			
Ç	Selected Answer:			
1	Answer Comment:			
İ	Document Name:			
İ	Likes:	0		
ı	Dislikes:	0		
ı	Dennis Minton - Florida Keys Electric Cooperative Assoc 1 -			
Ç	Selected Answer:			
1	Answer Comment:			
I	Document Name:			
I	Likes:	0		
ı	Dislikes:	0		
•	John Merrell - Tacoma Public Utilities (Tacoma, WA) - 1 -			
Ç	Selected Answer:			
1	Answer Comment:			
I	Document Name:			

Likes:	0		
Dislikes:	0		
Michael Jones - Nationa	al Grid USA - 1 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Michael Shaw - Lower C	Colorado River Authority - 6 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Brian Shanahan - National Grid USA - 3 -			
Selected Answer:			

Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
 Dennis Minton - Florida Keys Electr	ic Cooperative Assoc 1 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
 Stephen Pogue - M and A Electric Power Cooperative - 3 -		
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

John Fontenot - Bryan Texas Utiliti	es - 1 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
christina bigelow - Electric Reliabili	ity Council of Texas, Inc 2 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Chris Scanlon - Exelon - 1 -	
Selected Answer:	I want to bypass taking the survey
Answer Comment:	

Document Name:		
Likes:	0	
Dislikes:	0	
Shari Heino - Brazos Ele	ectric Power Cooperative, Inc 5 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Shari Heino - Brazos Ele	ectric Power Cooperative, Inc 5 -	
Selected Answer:		
Answer Comment:		
Document Name:		
Document Name: Likes:	0	

Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Kaleb Brimhall - Colorado	Springs Utilities - 5 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Barb Nutter - Other - NA -	Not Applicable - NA - Not Applicable	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	

Dislikes:	0
Lee Pedowicz - Northeast Power Coordinating Council - 10 - NPCC	
Error: Subreport could not be shown.	
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Dennis Chastain - Tennessee Valley Authority - 1,3,5,6 - SERC	
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Matt Culverhouse - City of Bartow, Florida - 3 -	

Selected Answer:	I want to bypass taking the survey
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Payam Farahbakhsh - Hydr	o One Networks, Inc 1 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Mark Wilson - Mark Wilson	On Behalf of: Leonard Kula, Independent Electricity System Operator, 2
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0

Dislikes:	0	
Jeni Renew - SERC Re	liability Corporation - 10 - SEF	RC
Error: Subreport could no	ot be shown.	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Rachel Coyne - Texas I	Reliability Entity, Inc 10 -	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Oliver Burke - Entergy	- Entergy Services, Inc 1 -	
Selected Answer:		

Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
 Gul Khan - Gul Khan On Behalf of: F	Rod Kinard, Oncor Electric Delivery, 1
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Kathleen Black - DTE Energy - 3,4,5	- RFC
Selected Answer:	I want to bypass taking the survey
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0

Catherine Wesley - PJM Intere	connection, L.L.C 2 - SERC,RFC	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Richard Vine - California ISO	- 2 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Brian Evans-Mongeon - Utility	Services, Inc 4 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		

Document Name:			
Likes:	0		
Dislikes:	0		
Colby Bellville - Duke Er	nergy - 1,3,5,6 - FRCC,SERC,	RFC	
Error: Subreport could not	be shown.		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Paul Malozewski - Hydro	One Networks, Inc 3 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		

George Tatar - Black Hills Corporation - 5 -				
Selected Answer:	I want to bypass taking the survey			
Answer Comment:				
Document Name:				
Likes:	0			
Dislikes:	0			
Jason Marshall - ACES F	Jason Marshall - ACES Power Marketing - 6 - MRO,WECC,TRE,SERC,SPP,RFC			
Error: Subreport could not	be shown.			
Selected Answer:				
Answer Comment:				
Document Name:				
Likes:	0			
Dislikes:	0			
Shannon Mickens - Sout	Shannon Mickens - Southwest Power Pool, Inc. (RTO) - 2 - SPP			
Error: Subreport could not	be shown.			
Selected Answer:				

Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
 Daniela Hammons - CenterPoint End	ergy Houston Electric, LLC - 1 - TRE
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Paul Shipps - Lakeland Electric - 6 -	
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0

Sergio Banuelos - Tri-St	ate G and T Association,	Inc 1,3,5 - MRO,W	/ECC	
Selected Answer:				
Answer Comment:				
Document Name:				
Likes:	0			
Dislikes:	0			
Selected Answer: Answer Comment: Document Name:				
Likes:	0			
Dislikes:	0			
Molly Devine - IDACORF	P - Idaho Power Company	-1-		
Selected Answer:				
Answer Comment:				

Document Name:		
Likes:	0	
Dislikes:	0	
Cain Braveheart - Bonneville F	Power Administration - 1,3,5,6 - WECC	
Error: Subreport could not be sh	own.	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Terry Blike - Midcontinent ISO	, Inc 2 -	
Selected Answer:	I want to bypass taking the survey	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

Selected Answer:	I want to bypass taking the survey
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0

If not, please provide comments and suggestions to improve clarity.

John Fontenot - Bryan Texa	as Utilities - 1 -		
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		

John Fontenot - Bryan Texa	s Utilities - 1 -		
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Ken Lindberg - Bryan Texas	Utilities - 5 - TRE		
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Glenn Pressler - CPS Energ	y - 1 -		
Selected Answer:			
Answer Comment:			
Document Name:			

Likes:	0		
Dislikes:	0		
Ken Lindberg - Bryan Tex	as Utilities - 5 -		
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
John Williams - Tallahass	see Electric (City of Tallah	assee, FL) - 3 -	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Dennis Minton - Florida K	Dennis Minton - Florida Keys Electric Cooperative Assoc 1 -		
Selected Answer:	Yes		

Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
 Gul Khan - Gul Khan On Behalf of: F	Rod Kinard, Oncor Electric Delivery, 1
Selected Answer:	Yes
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Charles Yeung - Southwest Power F	Pool, Inc. (RTO) - 2 - SPP
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0

Dana Wheelock - Seattle City Ligh	t - 3 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Glenn Pressler - CPS Energy - 1 -	
Selected Answer:	Yes
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Thomas Foltz - AEP - 5 -	
Selected Answer:	No
Answer Comment:	

	PRC-010-2, R5: UVLS entities should have input in the development of the CAP, as opposed to simply having it provided to them. We suggest adding the phrase "in accordance
	with the UVLS entities" so that R5 instead reads "Each Planning Coordinator or Transmission Planner that identifies deficiencies in its UVLS Program during an assessment performed in either Requirement R3 or R4 shall, in accordance with the UVLS entities, develop a Corrective Action Plan to address the deficiencies and subsequently provide the Corrective Action Plan, including an implementation schedule, to UVLS entities"
	While AEP is supportive of the overall direction and substance of the proposed changes, we have chosen to vote negative driven by our objections to not involving the UVLS entities in the development of the CAP in R5.
Document Name:	
Likes:	0
Dislikes:	0
Si Truc Phan - Hydro-Qu?bec Trans	Energie - 1 - NPCC
Selected Answer:	Yes
Answer Comment:	
Document Name:	
Likes:	0

0

Dislikes:

David Jendras - Ameren - Am	David Jendras - Ameren - Ameren Services - 3 -		
Selected Answer:	Selected Answer:		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Mike Smith - Manitoba Hydro	1 -		
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Dennis Minton - Florida Keys Electric Cooperative Assoc 1 -			
Selected Answer:	Yes		
Answer Comment:			
Document Name:			

Likes:	0
Dislikes:	0
John Merrell - Tacoma Public Ut	ilities (Tacoma, WA) - 1 -
Selected Answer:	Yes
Answer Comment:	The proposed revisions appear to address Misoperation identification and correction of UVLS equipment. However, there may be some cases in which the timeframes in PRC-004-5 and PRC-010-2 are not completely compatible. Specifically, under PRC-010-2 Requirement R4, the Planning Coordinator (PC) or Transmission Planner (TP) has 12 calendar months of an event that resulted in a voltage excursion for which its UVLS Program was designed to operate to perform an assessment to evaluate the performance (i.e., operaton and non-operation) of the UVLS Program equipment. However, under PRC-004-5 Requirement R1, each Transmission Owner (TO) and Distribution Provider (DP) that owns a BES interrupting device that operated under the circumstances in Parts 1.1 through 1.3 only has 120 calendar days of the BES interrupting device operation to identify whether its Protection System component(s) caused a Misoperation. It seems like a TO or DP would have to determine if there was a Misoperation before the PC or TP might have completed their assessment. Could this result in premature determination by a TO or DP; or could a TO or DP come to a different conclusion than their PC or TP? It seems like the timeframes in these requirements need to be better aligned. Alternatively, perhaps only PRC-010-1 should be revised, or perhaps the distinction between what the two standards are requiring needs to be made clearer. Another possible issue is that each standard requires development of CAPs, and the timeframes required to develop the CAPs are different.
Document Name:	
Likes:	0
Dislikes:	0

Michael Jones - National Grid USA - 1 -		
Selected Answer:	No	
Answer Comment:	National Grid voted Negative regarding PRC-010-1 and continues to vote Negative regarding PRC-010-2. The concern is that R2 gives considerable authority to the Planning Coordinator or Transmission Planner. Nowhere in the new standard is there any provision for a UVLS entity such as a Transmisison Owner to comment or advise on the feasibility of the program specification, and particulary the implementation schedule. There should be an opportunity for the UVLS entity to provide input to the plan and schedule, and a mechanism for resolving disagreement. We have a similar concern with R5 with regard to the specification and executation of the Corrective Action Plan. Please consider having separate ballots for PRC-010-2 and PRC-004-5, instead of a combined ballot.	
Document Name:		
Likes:	0	
Dislikes:	0	
Michael Shaw - Lower Colo	rado River Authority - 6 -	
Selected Answer:	Yes	
Answer Comment:		
Document Name:		
Likes:	0	

Dislikes:	0
Brian Shanahan - National C	Grid USA - 3 -
Selected Answer:	No
Answer Comment:	National Grid voted Negative regarding PRC-010-1 and continues to vote Negative regarding PRC-010-2. The concern is that R2 gives considerable authority to the Planning Coordinator or Transmission Planner. Nowhere in the new standard is there any provision for a UVLS entity such as a Transmission Owner to comment or advise on the feasibility of the program specification, and particularly the implementation schedule. There should be an opportunity for the UVLS entity to provide input to the plan and schedule, and a mechanism for resolving disagreement. We have a similar concern with R5 with regard to the specification and execution of the Corrective Action Plan. Please consider having separate ballots for PRC-010-2 and PRC-004-5, instead of a combined ballot.
Document Name:	
Likes:	0
Dislikes:	0
Dennis Minton - Florida Key	s Electric Cooperative Assoc 1 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0

Dislikes:	0		
Stephen Pogue - M and A	Lectric Power Cooperative	- 3 -	
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
John Fontenot - Bryan Te	exas Utilities - 1 -		
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
christina bigelow - Electr	christina bigelow - Electric Reliability Council of Texas, Inc 2 -		
Selected Answer:	Yes		

Shari Heino - Brazos Electric Power Cooperative, Inc 5 -		
Selected Answer:	No	
Answer Comment:	See ACES comments	
Document Name:		
Likes:	0	
Dislikes:	0	
Chris Gowder - Florida Municipal	Power Agency - 3,4,5,6 - FRCC	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Kaleb Brimhall - Colorado Springs Utilities - 5 -		
Selected Answer:	Yes	
Answer Comment:		

Document Name:	
Likes:	0
Dislikes:	0
Barb Nutter - Other - NA - Not	Applicable - NA - Not Applicable
Selected Answer:	
Answer Comment:	Team - this is a test comment from Barb Nutter
Document Name:	
Likes:	0
Dislikes:	0
Lee Pedowicz - Northeast Pov	wer Coordinating Council - 10 - NPCC
Error: Subreport could not be sh	nown.
Selected Answer:	No
Answer Comment:	A general comment regarding the Applicability Section of PRC-004-5 is that the items listed under sub-Part 4.2.1 are not Facilities by NERC definition.
	The addition of 4.2.3 to the Facilities Section "Undervoltage load shedding (UVLS) that is intended to trip one or more BES Elements" is not necessary. The BES definition excludes Elements that serve radial load. UVLS schemes are normally

intended to trip loads which are supplied by radial circuits (feeders), and these circuits (feeders) would not normally be included in the BES definition. It may be helpful for the drafting team to include an example in the application guideline to provide greater clarity.

In the Basis for Revision Section of what should be PRC-010-2, on page 3 of the standard, the last two sentences affirm that the rationale boxes in the Supplemental Material section of the standard will remain. The rationale box for Requirement R5 will be removed. The only Rationale Box in the B. Requirements and Measures section of the standard is for R4. Should the statement read "The rationale box for Requirement R4 will be removed."

We agree that the Misoperation identification and correction of UVLS equipment as retired by PRC-022-1, Requirements R1 and Part R1.5 is addressed by the proposed revisions of PRC-004-5 and PRC-010-2. However, the addition of Part 4.2 to PRC-010-2 may create duplicate effort for evaluating proper operations and misoperations of UVLS equipment.

This comment is made on the basis that PRC-004-4 already requires UVLS entities (TO, GO and DP) to assess and identify whether or not misoperations were the cause of BES interrupting device(s) (which now include UVLS) operations. Through this assessment and identification process, the proper or improper operations of the UVLS equipment would have been identified and, where necessary and appropriate, corrective action plans would have been developed and implemented. To have an additional Part 4.2 which requires the Planning Coordinator or Transmission Planner to evaluate the performance (i.e., operation and non-operation) of the UVLS Program seems redundant and unnecessary, despite such evaluation is performed by different responsible entities. Propose that Part 4.2 be removed.

Additionally, it is not clear which UVLS Misoperations are the subject of the proposed revised PRC-004-5 standard. The UVLS facilities of PRC-004-5 are "Undervoltage load shedding (UVLS) that is intended to trip one or more BES Elements." The typical UVLS schemes trip circuits (feeders) that supply loads. These circuits (feeders) are not normally BES elements since they are excluded by the BES definition that became effective July 1, 2014. Clarification is needed.

Likes:	0	
Dislikes:	0	
Dennis Chastain - Tennes	see Valley Authority - 1,3,5,6 - SERC	
Selected Answer:	Yes	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Matt Culverhouse - City of	Bartow, Florida - 3 -	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
	0	

Selected Answer:	Yes
Answer Comment:	The posted PRC-010-2 has requirement 4.2 applicable to PC and TP. However, PC/TP generally don't have the expertise for the design/engineering aspects. The SDT should consider making 4.2 applicable to the owners of the schemes.
Document Name:	
Likes:	0
Dislikes:	0
Mark Wilson - Mark Wilson On Beha	alf of: Leonard Kula, Independent Electricity System Operator, 2
Selected Answer:	No
Answer Comment:	We agree that the Misoperation identification and correction of UVLS equipment as retired by PRC-022-1, Requirements R1 and R1.5 is addressed by the proposed revisions of PRC-004-5 and PRC-010-2. However, the addition of Part 4.2 to PRC-010-2 may create duplicated effort for evaluating proper operations and misoperations of UVLS equipment. This comment is made on the basis that PRC-004-4 already requires UVLS entities (TO, GO and DP) to assess and identify whether or not misoperations were the cause of BES interrupting device(s) (which now include UVLS) operations. Through this assessment and identification process, the proper or improper operations of the UVLS equipment would have been identified and, where necessary and appropriate, corrective action plans would have been developed and implemented. To have an additional Part 4.2 which requires the Planning Coordinator or Transmission Planner to evaluate the performance (i.e., operation and non-operation) of the UVLS Program seems redundant and unnecessary, despite such evaluation is performed by different responsible entities. We therefore propose that Part 4.2 be removed.

Moreover, the IESO notes that the addition to the Facilities Section, bullet 4.2.3 "Undervoltage load shedding (UVLS) that is intended to trip one or more BES Elements" does not appear to be necessary. The BES definition excludes elements that serve radial load. UVLS schemes are normally intended to trip loads which are supplied by circuits (feeders). These circuits (feeders) would not normally be included in the BES definition. It may be helpful for the draft team to include an example in the application guideline to provide greater clarity.

Document Name:	
Likes:	0
Dislikes:	0
Jeni Renew - SERC Reliability Corp	poration - 10 - SERC
Error: Subreport could not be shown.	
Selected Answer:	No
Answer Comment:	1) On the clean versions of PRC-010-2 and PRC-004-5, please remove the 'under' after 'BES Element' in the Basis for Revision on page 2 last paragraph. "The two-pronged approach ensures that any UVLS Program equipment containing a deficiency is identified and corrected under PRC-010 and UVLS that trips a BES Element <i>under</i> is corrected under PRC-004 to address the requirements in the retired PRC-022-1."

2) PRC-004-5 and PRC-010-2 both require development of corrective action plans (CAP) with different time requirements (PRC-010-2 provides 12 months to analyze an operation. PRC-004-5 R1 requires identification in 120 days. Does the 120 days start during the 12 months of analysis or is the expectation that the Misoperation will be identified in the first 120 days if a BES Element is involved?) Can you provide examples to clarify which standard is to be referenced for developing the CAP?

	3) Please explain how there is no double jeopardy having requirements for CAPS in multiple standards?
	Example: An entity has a BES breaker that should have tripped during a UVLS event but did not trip. Is this reportable under PRC-010-2 or PRC-004-5? Which standard's time frame applies?
Document Name:	
Likes:	0
Dislikes:	0
Rachel Coyne - Texas Reliability Er	ntity, Inc 10 -
Selected Answer:	No
Answer Comment:	Texas RE is concerned that an entity will not analyze a mis-operation if it does not trip a BES element. The language in PRC-004-5, "intended to trip one or more BES elements", may create a reliability gap. In the ERCOT region, there is little to no UVLS or UFLS that will or is intended to trip a BES element. It is not in the best interest of reliability to have a mis-operation occur and an entity not be required to analyze the issue and provide corrective actions.
	Furthermore, there is an inconsistency with the language in PRC-010-2 and PRC-004-5 due to the use of the word "impact" indicated in PRC-010-2. In the ERCOT region, relays can have a major impact on the BES and would meet the requirements of PRC-010-2. Unfortunately, because of the language included in PRC-004-5, if entity determines that the UVLS is not intended to trip BES elements, the mis-operation would not need to be analyzed.
Document Name:	

Likes:	0	
Dislikes:	0	
Oliver Burke - Entergy - E	ntergy Services, Inc 1 -	
Selected Answer:	No	
Answer Comment:	Entergy supports comments provided by SERC PCS group.	
Document Name:		
Likes:	0	
Dislikes:	0	
Gul Khan - Gul Khan On E	Behalf of: Rod Kinard, Oncor Electric Delivery, 1	
Selected Answer:	Yes	
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	

Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Catherine Wesley - PJM Inter	rconnection, L.L.C 2 - SE	ERC,RFC	
Selected Answer:	Yes		
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		
Richard Vine - California ISO) - 2 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		

	0
Brian Evans-Mongeon - L	Itility Services, Inc 4 -
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
	0 ergy - 1,3,5,6 - FRCC,SERC,RFC
Colby Bellville - Duke End Error: Subreport could not I Selected Answer:	ergy - 1,3,5,6 - FRCC,SERC,RFC
Colby Bellville - Duke End Error: Subreport could not	ergy - 1,3,5,6 - FRCC,SERC,RFC ne shown.
Colby Bellville - Duke End Error: Subreport could not I Selected Answer:	ergy - 1,3,5,6 - FRCC,SERC,RFC De shown. Yes Duke Energy agrees with the proposal made by the drafting team. We thank the
Colby Bellville - Duke End Error: Subreport could not I Selected Answer: Answer Comment:	ergy - 1,3,5,6 - FRCC,SERC,RFC De shown. Yes Duke Energy agrees with the proposal made by the drafting team. We thank the

Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
George Tatar - Black Hills (Corporation - 5 -	
Selected Answer:		
Answer Comment:		
Document Name:		
Likes:	0	
Dislikes:	0	
Jason Marshall - ACES Pov	wer Marketing - 6 - MRO,WECC,TRE,SERC,SPP,RFC	
Error: Subreport could not be	shown.	
Selected Answer:	No	
Answer Comment:	(1) We believe that the modifications to PRC-010 and PRC-004 are duplicative and overlapping. As proposed, PRC-004 will require equipment owners to	
	evaluate any UVLS relay that they have installed regardless of whether it is part of	

an RAS, UVLS Program or installed independently for local reasons, while PRC-010 requires the PC or TP to evaluate the "performance of UVLS Program equipment" for voltage excursions. While we disagree with the TP or PC having responsibility to evaluate equipment performance, we are even more concerned that there is not a clear delineation between when PRC-004 applies for evaluating equipment performance and when PRC-010 applies. As written now, there would appear to be an overlap when UVLS relays that are part of a UVLS program operate. A simple solution to eliminate this overlap and duplication would be to strike Part 4.2. Then, the PC and TP would appropriately rely the equipment owners to perform their own evaluation, which is where the responsibility should belong.

- (2) The supporting documentation such as the Basis for Revision, Guidelines and Technical Basis and Frequently Asked Questions neither adequately explain the need for duplication between PRC-004 and PRC-010 nor the demarcation for responsibility for evaluating equipment performance. In fact, these supporting documents actually are contradictory at times. For example, the end of the second paragraph states that PRC-004 does not cover the "performance (operation or non-operations) of UVLS Program equipment not covered by the strict process of PRC-004". Yet it never explains how PRC-004 does not cover the performance. We disagree and believe it does cover the performance. If the drafting team intends the performance of the equipment to be something different than whether the UVLS relays operated correctly or not, this needs further explained in the technical guidelines as there is little to no explanation of what is meant beyond correct operation of the relays. Near the end of the first paragraph for the "Guidelines for Requirement R4," the paragraph states that "Misoperation of UVLS equipment is addressed as a deficiency" in PRC-010. This seems to contradict the inclusion of all UVLS equipment installed to trip BES equipment in the PRC-004 applicability section where it is processed as a Misoperation. In the second paragraph of the response to the fourth FAQ, there is a statement that the definition of UVLS Program "does not explicitly note that the term excludes centrally controlled undervoltage-based load shedding." To the contrary, the last sentence of UVLS program quite clearly excludes centrally controlled UVLS.
- (3) As proposed, PRC-004 will apply to all UVLS relays that can trip BES Elements including those that are part of a UVLS program and those that are not part of a UVLS program. That latter category include the centrally controlled UVLS or UVLS installed to protect local areas or equipment. While application of PRC-004 to UVLS installed to protect local areas may be appropriate, it is not appropriate to include those that are part of a centrally controlled system as this would be considered a RAS to which PRC-016 would apply. In the "Guideline for UVLS Program Definition," it is stated very clearly that a centrally controlled UVLS

	system is a RAS.
	(4) The VSLs for PRC-010 R4 were not modified in response to the modification of the requirement. It is now possible to partially meet the main requirement within the associated time frame. The VSLs should reflect this.
Document Name:	
Likes:	0
Dislikes:	0
Shannon Mickens - Southwest I	Power Pool, Inc. (RTO) - 2 - SPP
Error: Subreport could not be show	wn.
Selected Answer:	Yes
Answer Comment:	We agree that specific steps are needed to be taken to continuously improve the reliability of the Bulk Electric System (BES). The evaluating and documenting of the process helps to identify critical facilities (which could lead to Misoperations) and to ensure that the same issues doesn't reoccur on the system. Additionally, the documented information can be used to help develop and implement a Correction Action Plan (CAP) with accuracy when it's required. We would like to thank the drafting team for making great efforts to address the industry's needs. Additionally, we would like to suggest to the drafting team to include the term

Additionally, we would like to suggest to the drafting team to include the term 'undervoltage-based load shedding' to the definition of the Remedial Action Scheme for consistency. In the Compliance Assessment Approach Specifics Section (RSAW-PRC-010-2) R1...Note to Auditor, our interpretation is that the term 'undervoltage-based load shedding' is not a part of the UVLS Program and it states that this term falls under the NERC Glossary definition of Remedial Action Scheme (RAS). However if you go out to the NERC site, the current definition of Remedial Action Scheme (RAS) doesn't not contain this particular term.

Document Name:	
Likes:	0
Dislikes:	0
Daniela Hammons - CenterPoint Energy Houston Electric, LLC - 1 - TRE	
Selected Answer:	Yes

Answer Comment:

- (1) CenterPoint Energy agrees that the Misoperation identification and correction of UVLS equipment as retired by PRC-022-1, Requirements R1 and R1.5, is addressed by the proposed revisions of PRC-004-5 and PRC-010-2. However, the Company cannot support this draft of PRC-010-2 due to the current wording of Requirement R4.2.
- (2) The drafting team proposes to add Requirement R4.2 to Requirement R4 in PRC-010 as follows: Each Planning Coordinator or Transmission Planner shall, within 12 calendar months of an event that resulted in a voltage excursion for which its UVLS Program was designed to operate, perform an assessment to evaluate: 4.1. Whether its UVLS Program resolved the undervoltage issues associated with the event, and 4.2. The performance (i.e., operation and nonoperation) of the UVLS Program equipment. CenterPoint Energy believes a more relevant method to capture the essence of PRC-022 Requirements R1 and R1.5 is to revise Requirement R4.2 as follows: Whether the UVLS entity(ies) adhered to the UVLS Program specifications. With this revised wording for Requirement R4.2, the assessment required under Requirement R4 would address whether the UVLS Program resolved the undervoltage issue associated with the event and whether the UVLS entity or entities involved adhered to the established UVLS Program specifications. It would be obvious that the operation of the UVLS Program equipment performed adequately when the amount(s) of load shedding in a voltage excursion event meets the expected minimum amount(s) as specified in a UVLS Program. However, while an assessment (Requirement R4.1) may determine the voltage excursion event was resolved for the specific system conditions and specific contingency, the UVLS Program may have been developed for other system conditions and more severe contingencies. Therefore, the assessment (Requirement R4.2) must include whether the UVLS entity(ies) met the obligated amount of load shedding specified by the Planning Coordinator or Transmission Planner. With a large number of UVLS equipment components, it is possible that a small number may not operate (i.e., "non-operation"). Examples of

UVLS equipment non-operation would include the following: equipment problems such as a defective trip coil in a distribution circuit breaker or a defective relay and distribution circuit breaker unavailability due to maintenance (routine preventive or corrective) or construction (breaker replacement or station expansion). A small number of non-operations are inconsequential if the amount(s) of load shedding meets Planning Coordinator or Transmission Planner expectations. Furthermore, any deficiencies identified by either the proposed Requirement R4.1 or the revised wording for Requirement R4.2 would result in a Corrective Action Plan under Requirement R5.

Document Name:	
Likes:	0
Dislikes:	0
Paul Shipps - Lakeland Electric	c - 6 -
Selected Answer:	Yes
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Sergio Banuelos - Tri-State G a	and T Association, Inc 1,3,5 - MRO,WECC
Selected Answer:	Yes
Answer Comment:	Tri-State suggests changing the implementation plans for PRC-004-5 and PRC-010-2. They both use PRC-010-1 as a reference point even though it has not yet

been approved by FERC and therefore has no definitive effective date. If PRC-010-1 doesn't get approved before these versions do then, according to the implementation plans, these versions will be effective the 1st day of the 1st calendar quarter after the standards get approved by FERC. The drafting team should edit the implementation plans to allow more time for entities to prepare for the effective date if that were the case. We would suggest some language stating that the standards will become effective on the 1st day of the 1st calendar quarter that is 12 months after approval which would be similar to the time provided in PRC-010-1.

Document Name:	
Likes:	0
Dislikes:	0
Oshani Pathirane - Hydro	One Networks, Inc 1 - NPCC
Selected Answer:	
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Molly Devine - IDACORP -	Idaho Power Company - 1 -
Selected Answer:	No
Answer Comment:	In PRC-004-5 Applicability section 4.2.3 I suggest using the phrase "Undervoltage Load Shedding (UVLS) Program equipment that is intended to trip one or more

	BES Elements". This clarifies the equipment to be analyzed is part of a UVLS Program, which I believe is the intent.
Document Name:	
Likes:	0
Dislikes:	0
Cain Braveheart - Bonnevil	lle Power Administration - 1,3,5,6 - WECC
Error: Subreport could not be	e shown.
Selected Answer:	Yes
Answer Comment:	
Document Name:	
Likes:	0
Dislikes:	0
Terry Blike - Midcontinent	ISO, Inc 2 -
Selected Answer:	Yes
Answer Comment:	
Document Name:	
Likes:	0

Dislikes:	0		
Bernard Johnson - Ogl	ethorpe Power Corporation - 5 -		
Selected Answer:			
Answer Comment:			
Document Name:			
Likes:	0		
Dislikes:	0		

Additional Comments

Puget Sound Energy Karen Silverman

NERC Question:

Do you agree that the Misoperation identification and correction of UVLS equipment as retired by PRC-022-1, Requirements R1 and R1.5 is addressed by the proposed revisions of PRC-004-5 and PRC-010-2? If not, please provide comments and suggestions to improve clarity.

PSE Answer:

No.

If modelled like PRC-006 (UFLS Program), PRC-010 could just govern design and documentation of UVLS Program mitigation of voltage instability, voltage collapse or Cascading impacting the Bulk Electric System. Misoperations and resulting CAPs could be covered under PRC-004-5. CAP Example #2 on Page 25 of PRC-010 should be included in PRC-004-5

Hydro One Networks Paul Malozewski Oshani Pathirane

Hot Answers



B

Paul Malozewski, Hydro One Networks, Inc., 3, 4/7/2015

Hydro One Comment on Project 2008-02.2.docx

Hydro One supports the following comment already submitted by the TFSP: "the addition to the Facilities Section, bullet 4.2.3 "Undervoltage load shedding (UVLS) that is intended to trip one or more BES Elements" does not appear to be necessary. The BES definition excludes elements that serve radial load. UVLS schemes are normally intended to trip loads which are supplied by circuits (feeders). These circuits (feeders) would not normally be included in the BES definition. It may be helpful for the draft team to include an example in the application guideline to provide greater clarity".



Oshani Pathirane, On Behalf of: Hydro One Networks, Inc., NPCC, Segments 1

Hydro One's additional comments on Project 2008-02.2.docx

1

Part 4.2 is specific to all devices not just BES as required under PRC-004. It puts the onus on the RC/TP to assess the success of the program if ever called upon to work. It is different than the PRC-004 requirement.

Southwest Power Pool Charles Yeung

Comments:

Question

1.	Do you agree that the Misoperation identification and correction of UVLS equipment as retired by PRC-022-1, Requirements R1 and R1.5 is addressed by the proposed revisions of PRC-004-5 and PRC-010-2? If not, please provide comments and suggestions to improve clarity.				
	Yes				
	X No				

1 In DDC 10 the applicable entities def

1. In PRC-10, the applicable entities defines "UVLS entities" as those Transmission Owners with UVLS equipment. However, R1.2, requires PCs and TPs to consider the generator ride-through capabilities in their UVLS program studies. Generator data is needed from Generator Owners. These should be applicable entities to PRC-010 as well.

We agree that the Misoperation identification and correction of UVLS equipment, as retired by PRC-022-1, Requirements R1 and R1.5, are addressed by the proposed revisions of PRC-004-5 and PRC-010-2. However, the addition of Part 4.2 to PRC-010-2 may create redundant efforts regarding evaluation of the proper operations and misoperations of UVLS equipment. More specifically, PRC-004-4 already requires UVLS entities (TO, GO and DP) to assess and identify whether or not misoperations were the cause of BES interrupting device(s) (which now include UVLS) operations). Through this assessment and identification process, the proper or improper operations of the UVLS equipment would have been identified and, where necessary and appropriate, corrective action plans would have been developed and implemented. The addition of Part 4.2, which requires the Planning Coordinator or Transmission Planner to evaluate the performance (i.e., operation and non-operation) of the UVLS Program, seems redundant to the efforts of the UVLS entities. Further, as the UVLS entities are the entities that actually operate, control, and maintain the UVLS equipment, such entities would be in the best position to perform a thorough evaluation of the operation or misoperation of such equipment. The SRC, therefore, proposes that Part 4.2 in PRC-010-2 be removed or revised to remove redundancy and ensure that the most appropriate entity is performing such assessments. Should the SDT recommend that an independent review of such assessments and corrective actions occur, such could be considered in the context of Part 4.2