

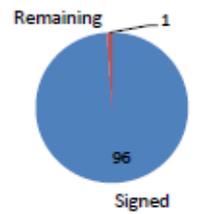
Key Accomplishments

- Activity RC 17 - Revise Internal Operating Procedures is complete
- ORG 5 - WECC Staff met with Regional Standards Departments and NERC staff on January 18 to discuss the development of new guidelines
- WECC published the [September 8 Response Addendum](#) and [Member Activity Dashboard](#) to report activities completed during Q4 2012

Identified Risks

- The OC Special meeting has been moved to February 2013. OC Approval Items for O&P9, O&P11 O&P13 are expected to be approved at that meeting.
- O&P2 and O&P18 are expected to be approved at the May 2013 Special OC meeting
- O&P14 training is dependent on the completion of the Real-time Tools Guideline (O&P13). Guideline approval is expected February 2013 and training should be completed April 2013
- RC12 - SOL Reporting Tools are complete. The notification process is expected to be developed by the end of February

Universal NDA Signatories



- Completed Activity
- In-Progress Activity is on schedule
- Milestones have been missed, but Activity expected to be completed on time
- Activity has not met Completion Deadline

Rec #	FERC/NERC Recommendations Short Description	Status of BPA's Efforts	Status of WECC Activities							% of Milestones Completed	Estimated Timeline for Completion											
			RC1	CPL2	RC10	O&P1	RC2	O&P2			Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015	Q2 2015	Q3 2015
1	Share next-day studies results	●	RC1	CPL2	RC10	O&P1	RC2	O&P2	94%	[Progress bar]												
2	Next-day studies reflect next-day operating conditions	●	RC1	RC4	CPL2	RC10	O&P1	RC2	O&P2	95%	[Progress bar]											
3	Next-day studies	●	RC15	O&P1	RC3	O&P2			69%	[Progress bar]												
4	Predicting next-day interchange	NA	RC10	RC9					20%	[Progress bar]												
5	Integration & coordination of subregions' seasonal studies	●	O&P3	O&P4					30%	[Progress bar]												
6	Include internal & external sub-100-kV facilities	●	O&P3	O&P4					30%	[Progress bar]												
7	Include multiple base cases	●	O&P3	O&P4					30%	[Progress bar]												
8	Share relay trip settings	●	O&P5						58%	[Progress bar]												
9	Study cases cover critical system conditions across planning horizon	●	O&P6	O&P4	O&P5	O&P7	O&P8		55%	[Progress bar]												
10	Benchmark models against actual data	NA	O&P10	O&P5					50%	[Progress bar]												
11	Real time data sharing	●	RC4	O&P12	RC5	RC18	O&P11	O&P22	38%	[Progress bar]												
12	Real-time tools adequate	●	RC5	O&P13	O&P14	O&P22			36%	[Progress bar]												
13	Post contingency plans	●	O&P1	O&P18	RC11				70%	[Progress bar]												
14	RC Staffing Level	NA	ORG4	ORG6	RC8	RC16			60%	[Progress bar]												
15	Loss of real-time tools	●	RC13						100%	[Progress bar]												
16	Consistency between planning and real-time models	NA	O&P15						40%	[Progress bar]												
17	Ensure all facilities impacting BPS in studies	NA	RC3	O&P16	O&P21				21%	[Progress bar]												
18.1	Study & monitor IROLs	NA	RC6	CPL1	RC12	RC7			58%	[Progress bar]												
18.2	SOLs constitute IROLs	●	RC6	CPL1	RC12	RC7			58%	[Progress bar]												
19	Review of S-Line RAS	NA	O&P17						71%	[Progress bar]												
20	SONGS coordination w/protection schemes	NA	O&P17						71%	[Progress bar]												
21	Evaluation of turbine controls	NA	O&P20	O&P19					75%	[Progress bar]												
22	Periodic review of RAS	●	CPL1	O&P17					78%	[Progress bar]												
23	Effect of SONGS Separation Scheme (Path 44)	NA	O&P17						71%	[Progress bar]												
24	Ratings equal to most limiting equipment	●	RC12	O&P21					29%	[Progress bar]												
25	Appropriate margins between settings & Emergency Ratings	●	O&P9	O&P21					25%	[Progress bar]												
26	Increase relay settings to allow time for manual action	●	O&P9						67%	[Progress bar]												
27	Tools to determine Standing Angle	●	O&P1	RC14					78%	[Progress bar]												

September 8, 2011 Southern California Blackout Recommendations

Gerry Cauley 8 Systemic Issues	Internal Team Lead	Status of BPA's Efforts	Status of WECC Activities	% of Milestones Completed	Estimated Timeline for Completion											
					Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015	Q2 2015	Q3 2015
SI-1: WECC Reliability Coordinator Tools, Authorities, Capabilities and Support	Randi Thomas	Green	RC15, ORG4, RC12, RC13, RC17, RC3, RC8, RC9, RC11, RC14, ORG6, ORG7, O&P22	47%	[Timeline bar: Green from Q4 2012 to Q1 2015]											
SI-2: WECC Organization, Governance, and Conflict of Interest	Larry Bekkedahl	Green	ORG1	75%	[Timeline bar: Green from Q4 2012 to Q2 2013]											
SI-3: WECC Path Ratings and Interconnection Reliability Operating Limits	Siraji Hirsi	Yellow	RC6, RC7, RC11, RC12	45%	[Timeline bar: Green from Q4 2012 to Q3 2013]											
SI-4: System Protection, Remedial Action Schemes, and Special Protection Systems	Don Watkins	Green	O&P5, O&P6, O&P9, O&P17, RC7	63%	[Timeline bar: Green from Q4 2012 to Q4 2015]											
SI-5: Data Sharing, Non-Disclosure, and Data Confidentiality Agreements	Stacen Tyskiewicz	Blue	ORG3, RC1, RC4, RC10, RC2, RC5, ORG2, RC18	81%	[Timeline bar: Green from Q4 2012 to Q1 2013]											
SI-6: Roles and Responsibilities of RC, BA and TOPs	Larry Bekkedahl	Green	RC1, RC4, RC6, ORG3, RC2, RC5, RC8, RC17, O&P13, O&P14, ORG7	81%	[Timeline bar: Green from Q4 2012 to Q1 2015]											
SI-7: Awareness and Recognition of Impacts of Sub-100-kV Systems on bulk power system reliability	John Anasis	Green	RC3, O&P2, O&P9, O&P13, O&P16	55%	[Timeline bar: Green from Q4 2012 to Q3 2013]											
SI-8: ERO/Regional Entity Processes	Don Watkins	Green	CPL1, CPL2, ORG1, ORG5, CPL3, CPL4	70%	[Timeline bar: Green from Q4 2012 to Q2 2014]											

BPA's Activities in Response to Blackout Report (WECC Response - Table 2)	Internal Team Lead	Status of BPA's Efforts	Estimated Completion Date	Estimated Timeline for Completion											
				Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015	Q2 2015	Q3 2015
1-Assure Conservative limits	John Anasis	Blue	8/16/2012	[Timeline bar: Blue at Q4 2012]											
2-Perform next-day studies using state estimator cases	Brian Tuck	Green	3/1/2013	[Timeline bar: Green from Q4 2012 to Q1 2013]											
3-Implement state estimator and RTCA	Linda Kester	Green	6/1/2013	[Timeline bar: Green from Q4 2012 to Q2 2013]											
4-Implement 24/7 study engineer support	Meg Albright	Green	5/31/2015	[Timeline bar: Green from Q4 2012 to Q2 2015]											
5-Review of Dispatcher Standing Orders sufficiency and accuracy of RAS	John Kerr	Green	12/1/2013	[Timeline bar: Green from Q4 2012 to Q3 2013]											
6-Expand dispatch alarms for outages that impact SOLs	Stacen Tyskiewicz	Blue	3/1/2013	[Timeline bar: Blue at Q1 2013]											
7-Participate in NWPP Outage Coordination Task Force	Rich Ellison	Green	Unknown	[Timeline bar: Green from Q4 2012 to Q4 2015]											

Status Legend:

- Completed Activity
- In-Progress, Activity on schedule
- Activity on track with caution
- Activity has not met completion deadline

Dashboard Notes:

Activities Key:
 ORG - Organizational Activities
 RC - Reliability Coordinator Activities
 O&P - Operations & Planning Activities

Updated: February 20, 2013