



Southwest Power Pool
CONSOLIDATED BALANCING AUTHORITY STEERING COMMITTEE MEETING
March 12, 2012
Teleconference

Agenda Item 1 – Call to Order

The meeting was called to order at 9:00 a.m. Introductions were made. (Attachment 1 – CBASC Agenda 03_12_12r.doc and Attachment 2 – CBASC Attendance sheet 031212.xls)

Agenda Item 2 – Complete updates on 32 NERC requirements for Compliance Issues

Shari Brown provided updates for discussion of the final EOP requirements on the Compliance Issues list. Since not all participants have been involved in every discussion, an additional review was done on all of the requirements on the list. (Attachment 3 – EOPTF and Compliance discussion notes for CBASC updated 3_12_2012.xls)

Agenda Item 4 – Update on SPP Operations work on Emergency Operations Procedures

Shari Brown explained the progress that SPP Operations department has made with the Day-In-the-Life activity. Several Emergency Operations procedures steps were beginning to be documented. SPP staff will provide Outlines for these procedures in upcoming CBASC meetings. (Attachment 4 – CBA Steering Committee Action items 03_12_2012.xls)

Agenda Item 5 – Additional discussion and Planning for Meeting with SPP RE, MRO and SERC

Paul Johnson explained the goals for the meeting with the regional entities and encourages participation.

Agenda Item 6 – Additional Items

No additional items were discussed.

Agenda Item 7 – Adjournment

With no further business, the meeting was adjourned.

Respectfully submitted,

Shari L Brown
Staff Secretary, CBASC



Southwest Power Pool, Inc.
CONSOLIDATED BALANCING AUTHORITY
Teleconference

March 12, 2012 - 9:00 a.m. to 11:00 a.m.

• A G E N D A •

Revised

1. Call to OrderPaul Johnson
2. Complete updates on 32 NERC Requirements for Compliance Issues Shari Brown
3. Update SPP Operations work on Emergency Operations Procedures Shari Brown
4. Additional discussion and planning for Meeting with SPPRE, MRO and SERCPaul Johnson
5. Additional ItemsPaul Johnson
6. Adjournment.....Paul Johnson

Relationship-Based • Member-Driven • Independence Through Diversity
Evolutionary vs. Revolutionary • Reliability & Economics Inseparable

Consolidated Balancing Authority Steering Committee Attendance

Date: 03-12-2012

Attend	Status	First Name	Last Name	Position	Company
X	M	Paul	Johnson	Chairman	American Electric Power
	M	Anthony	Due	Member	Empire District Electric Company
	M	Steve	Haun	Member	Lincoln Electric System
	M	Noman	Williams	Member	Sunflower Electric Power Corporation
X	M	Jessica	Tucker	Member	Kansas City Power & Light Company
X	M	Shari	Brown	Staff Secretary	Southwest Power Pool
	M	David	Pritchard	CBA Steering Committee	American Electric Power
	M	Mike	Stafford	CBA Steering Committee	Grand River Dam Authority
X	M	Shah	Hossain	CBA Steering Committee	Westar
X	M	Greg	McCauley	CBA Steering Committee	OGE Electric Services
X	M	Ron	Gunderson	CBA Steering Committee	Nebraska Public Power District
X	M	Douglas	Collins	CBA Steering Committee	Omaha Public Power District
	M	Eric	Ruskamp	CBA Steering Committee	Lincoln Electric System
	M	Bob	Adam	CBA Steering Committee	Board of Public Utilities (Kansas City, KS)
	M	Rick	McCord	CBA Steering Committee	Empire District Electric Company
X	M	Randy	Root	CBA Steering Committee	Grand River Dam Authority

Status: M - Member P - Proxy S- SPP Staff G - Guest

Consolidated Balancing Authority Steering Committee Attendance

Date: 03-12-2012

	M	Bill	Nolte	CBA Steering Committee	Sunflower Electric Power Corporation
	M	Alan	Derichsweiler	CBA Steering Committee	Western Farmers Electric Cooperative
X	M	William	Grant	CBA Steering Committee	Xcel Energy
X	M	Jessica	Collins	CBA Steering Committee	Xcel Energy.
X	G	Bill	Thompson		American Electric Power
X	G	Mike	Gammon		Kansas City Power & Light Company
X	G	Richard	Ross		Southwest Power Pool
X	S	Stacy	Duckett		Southwest Power Pool
X	G	Darryl	Bogges		Western Farmers Electric Cooperative
X	S	Stacy	Duckett		
X	S	Beth	Hume		
X	G	Steve	Wolf		Board of Public Utilities (Kansas City, KS)
X	S	Ramy-Claude	James		Accenture
X	S	Philip	Propes		Southwest Power Pool
X	S	Ron	Losh		Southwest Power Pool
X	G	Grant	Lafler		Lincoln Electric
X	G	Ed	Hammons		Grand River Dam Authority

Status: M - Member P - Proxy S- SPP Staff G - Guest

Consolidated Balancing Authority Steering Committee Attendance

Date: 03-12-2012

X	S	Beth	Miller		Southwest Power Pool
X	S	Billy	Whitfield		Southwest Power Pool
X	G	John	Allen		City of Springfield
X	S	Charles	Yeung		Southwest Power Pool
X	G	Tony	Allen		Nebraska Public Power District
X	S	Greg	Sorenson		Southwest Power Pool
X	S	Mark	Robinson		Southwest Power Pool
X	G	Jim	Foley		Omaha Public
X		Mike	Swearingen		
X	G	Mahmud	Safi		Omaha
X	G	John	Seck		
X	G	Kim	Morphis		
X	G	Doug	Peterchuck		
X	G	Mike	Wech		SPA
X	G	Joshua	Roper		Kansas City Power & Light Company
X	S	Kim	Gorter		Southwest Power Pool
X	S	Malissa	Reinhart		Southwest Power Pool

Status: M - Member P - Proxy S- SPP Staff G - Guest

Consolidated Balancing Authority Steering Committee Attendance

Date: 03-12-2012

X	S	Aaron	Shipley		Southwest Power Pool
X		Brett	Holland		Southwest Power Pool
		Bryn	Wilson		Oklahoma Gas and Electric
X	G	Fred	Meyer		Empire District Electric
X	G	Terry	Pyle		Oklahoma Gas and Electric
		Mark	Amyette		SPS

Status: M - Member P - Proxy S- SPP Staff G - Guest

Requirement	Description of requirement	Compliance - Ron's concerns	Group discussion	Outcome - Action Items
BAL-004-0				
2.1	BA shall offset its frequency schedule by 0.02 Hertz	Ron explained that the list says 3.1 but he meant R2.1 here - Concerns about frequency adjustments in old BA EMS systems when a time error is called	Several did not believe that the TOP would be making adjustments to their EMS for Time Error Corrections their time error corrections in their own EMS once SPP was the BA.	No delegation needed - "Single" function - Additional Research did not find where TOP operators were adjusting Frequency in their own EMS during a time error correction. Audit documentation will be SPP Processes and Procedures, operator logs and system activity logs
BAL-005-0-0.1b				
R8	BA shall ensure that data for ACE is calculation is six sec.	RTU not set for a 6 secondscan rate		
R8.1	Redundant and independent Frequency metering equipment	SPP cannot prove and ensure that redudant metering is installed	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
R12.1	BA that share tie will ensure tie line mw is teleomtered to both BA	This issue is currently included in the legal agreement	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
R12.2	Power flow for ACE is not filtered	This issue is currently included in the legal agreement	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
R12.3	Install common metering equipment	This issue is currently included in the legal agreement	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
R13	Perform hourly checks of Tie line Meters	This issue is currently included in the legal agreement	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
R14	BA provide its operating personnel sufficient instrumentation and data recording	no orignal comments by Compliance - should be included in the legal agreement or CFR	This is not one of the original 6	need more discusson on Feb 24, 2012
R15	Provide adequate and reliable backup power supplies	This issue is currently included in the legal agreement	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
R16	Sample data at the same periodicity as ACE is calculated - Note: Requirement is not in the list that was provided by Compliance but it appears that this is the requirements that is causing concern	RTU not set for a 6 secondscan rate > It is the BA responsibility to verify and set the scan rates - there is a current violation for an SPP BA right now. The RTU was not sending the data to the AGC within 6 seconds. Will the SPP BA accept responsibility for the TOP RTU setting the scan rate on their equipment?	SPP is currently studying all BA ICCP feeds to determine what periodicity the data is being sent at. The intention is to comply with the 6 secon rules, test and prove that the communications is being provided from the RTU to the SPP ACE calculation within 6 seconds.	The group understands the severity of the issue. But not sure why this would be a "split" function. It appears as though the auditors were holding the BA responsible for the data from the RTU to the BA AGC. If that is the case, then SPP would end up being held responsible also. This process would be tested in an audit - Is the thought that it would be a "split" function because SPP Compliance would like the TOP to be audited for the RTU scan rate instead of the SPP BA?
R17	Check and calibrate time error and frequency	This issue is currently included in the legal agreement	NO disucussion needed - Compliance still sees this as a "split" function if we did a CFR	This requirement is included in the legal agreement delegation of Balancing Authority Services provided by IEO
BAL-006-2				
R3	BA Ensure all inerconnection points are equipted with common meters	The wording for this requirement is redundant with T2 above - need to agree that this is also one issues currently addressed in the legal agreement - members will need to equip with common meters and provide readings	This was not one of the original 6	need more discusson on Feb 24, 2012
R4.3	Make ATF corrections to agreed to daily and monthly acctg data	Will the TOP do the AFT checkout and reporting or the SPP BA? Who will actually make the corrections?	SPP BA will be responsible for this requirement in its entirety. This requirement is specific to the adjustments to the meter quantities and report of such. It is not about the physical meter itself.	No delegation needed - "Single" function for SPP BA - Audit documentation will be SPP Processes and Procedures and the NERC inadvertent Tool
R5	ATF dispute resolution	Will the TOP do the AFT checkout and reporting or the SPP BA?	SPP BA will be responsible for this requirement in its entirety	No delegation needed - "Single" function for SPP BA - Audit documentation will be SPP Processes and Procedures and the NERC inadvertent Tool

Requirement	Description of requirement	Compliance - Ron's concerns	Group discussion	Outcome - Action Items
EOP-001-0				
R3.2	Develop, maintain, and implement a set of plans to mitigate operating emergencies on the transmission system.	Concerned about how to prove curtailments	what is real time proof or after the fact why something was curtailed as far as CBA function then it stops here	We will discuss with RE - If RE is o.k. then it would not be a "split" function
R3.3	Develop, maintain, and implement a set of plans for load shedding.	This is a split function because the members will need to develop and maintain the plans and SPP will implement the plan.	Does the CBASC see the need for the TOP to include as part of legal agreement or CFR. Specify a date as to when the TOP needs to provide the plan.	note for Jim Gonzalez - ensure that the Emergency Operating Plan included needs to show that CBA is anticipating every shortage and include in plan that notices must go out ASAP. Current thinking is that with the right documentation there is no need for "split" function
R5 element 1	Fuel Supply and Inventory	how will the SPP CBA know the fuel supply in order to have procedures that they can activate without assistance from old BA	We use CROW to report issues - the EOP and the procedures will show how the SPP BA will operate when there is a shortage of fuel	No delegation needed - "Single" function for SPP BA only - SPP EOP procedures to show that the SPP BA will show how the SPP BA will operate when there is a shortage of fuel.
R5 element 2	Fuel Switching	Fuel switching is done by the generation operators	Regardless of communications protocols, seek assistance, call or request MP to reach out to all MP, SP put it in the alert levels mission mode system. Their could be plenty of help from bringing on additional generators	No delegation needed - "Single" function for SPP BA only - SPP EOP procedures to show that the SPP BA will show how the SPP BA will operate when a generator needs to switch fuel for BA Reliability
R5 element 3	Environmental constraints	How would SPP have plans to seek removal environmental constraints for gen units and plants	May want to add capability to CROW - suggestion to KCPL generic checks - like river temps. (Will the MP want to maintain their processes to release environmental constraints)	If the MP want to maintain their own processes to release environmental constraints this would be a "split" function.
R5 element 5	Public Appeals	Who will ask MP to make the public appeals ?	who will make the public appeals?	Bill recognizes that this is probably a split function but not ready to make a decision / Action item for Ron to ask RE - who would actually get audited for the actual activity of making the appeals (TOP or BA)? The RE gets this information from Corp. Comm
R5 element 8	Appeals to customers to use alternate fuels	Who will ask MP to make the appeals for all fuels	who will make the public appeals?	check with Jim Gonzalez The RE gets this information from Corp. Comm
R5 element 9	Interruptible and curtailable loads	Who will actually be calling for the curtailments? Who has to show proof?	If SPP actually does press releases then SPP BA or if the TOP actually does it can the TOP complete the media release and provide copies to SPP.	Ron to ask the RE Checked with the RE some entity use SCADA for proof Others use Regulatory to show Interruptible
R5 element 12	Requests of Government	Who will actually make the requests?	SPP to make the requests and copy the TOP	No delegation needed - "Single" function for SPP BA - EOP and Procedures will show that SPP will actually make the press releases and written documents, those documents will be provided to the TOP, the TOP can then provide the same information to their State or City Governments and SPP BA can use those as audit data The RE gets this information from Corp. Comm
R5 element 13	Load curtailment	Who will provide the proof of load shedding? SPP will issue the 417 - how soon does 417 get posted for public consumption template to DOE, NERC notify each state affected, copy TOP, etc. go back to the note on SPP will do this.	TOP to provide list of load reduction details and send to BA. Only one should (SPP) should actually write and send the report so we don't have conflicts	No delegation needed - "Single" function - Procedure would be for the TOP to provide a list of load reduction details and send it to the SPP BA for compliance Checked with the RE some entity use SCADA for proof Others use Regulatory to show Interruptible
F7.2	TOP and BA shall arrange new interchange agreements to provide for emergency capacity or energy transfers if existing agreements cannot be used.	learn from ERCOT's mistake - SPP needs to be regulation - bilateral tools each. Will SPP become a marketer?	action item needs to be regulation does inadvertent bilateral tool. SPP will need to have the agreements. SPP can register as a PSE in order to create tags or ask member to create the tags for us. If we register as a PSE does SPP really have to become a marketer	SPP staff to research to determine if registering as a PSE really makes SPP a marketer
R7.3	TOP and BA shall coordinate transmission and generator maintenance schedules to maximize capacity or conserve the fuel in short supply. (This includes water for hydro generators.)	Will SPP worry about Fuel Supply?	SPP is working on the Emergency procedures to prove that SPP will be able to be compliant with this requirement on its own	SPP to provide procedures Need to add fuel to CROW?

Requirement	Description of requirement	Compliance - Ron's concerns	Group discussion	Outcome - Action Items
EOP-001-0				
R7.4	TOP and BA shall arrange deliveries of electrical energy or fuel from remote systems through normal operating channels.	What are our plans for remote emergency. I think that Ron knew of a violation in ERCOT related to this one. Maybe he can elaborate	If they keep their old bilateral contracts and SPP asks them to use them. - contact share - capacity shares or energy - do we plan to reach across DC ties (someone else did) Bill thinks we should plan to	Ron to ask RE - remote is probalby considered anything outside our market footprint Talking with the RE it would be energy into the system
EOP-002-3				
R4	Perform actions bringing on gen, postponing equip maintenance, scheduling purchases, reduce firm load	Will SPP do the a actual actions?	SPP will have procedures related to Marketplace for bringing on additional generation. SPP will have procedures to make requests/directives to postpone equip maintenance. SPP is checking on being able to actually create tags.	
R6.3	Implement remedy- interruptible loads	Will SPP do the actual requests to interrupt load?	SPP BA would issue the request the interruption of the load to the individual company. It may contact LSE, DSP, or TOP as needed. We would be knowledgeable of ALL interruptible load, conditions in which the load can be interrupted, how much is available. The specific customers or locattion not necessary for SPP to know, except for reserve zones themselves. Special situations where the interruptible. 30 thousand view , add the information on the template for the instructions. Verify the market protocols and determine if the interruptible loads are included in the market and if not how do we know if it is in the market or if it outside the market.	
R6.6	Reduce load, public appeals, voltage reductions, curtailing interruptible loads and firm loads	Will SPP do all of these or will members do some of the actions?	NPPD, OKGE, AEP, WR, etc,. Our members say that voltage reduction is not an option. The RC talks to the TOP. In general the RC would .Kcpl has 2 times of voltage reductions. Generation more of an economic (this is probabaly a sub-set) is a process and transmission is a different process. specially important for planning and communications ahead of time and in Real time.	
EOP-003-1				
R2	Establish plans for automatic load shedding - underfrequency and undervoltage.	SPP cannot develop the plan. They can only implement the plan	We think that TOP will continue to do the actual load shedding. BA needs to establish our own plan. The reasons for shedding load may be different for the BA and the TOP. Would it be across the whole BA, or would it be in a specific reserve zone. For underfrequency and underfoltage conditions.	SPP BA needs to establish and have its own plan. Would be pointing to our load shedding criteria. See also R4, R5, R7
R4	consider factors in designing and automatic load shedding scheme (rate of frequency decay, voltage level, rate of voltage decay, or power flow levels	SPP cannot do this	SPS picks up distribution and tell them to shedd load , they don't have direct control of the	KCPL BA has to count on 3rd party.
R5	implement load shedding in steps to minimize the risk of further uncontrolled separation	??	SPS has 30% of load from the TOP will shed it	WR already has to count on 3rd party alos
R7	Coordinate automatic load shedding throughout their areas with underfrequency isolation	Members will need to actually coordinate the load shedding not SPP	They may not have their finger on the button. The BA has the authority to call and derict	was the direct adequate, was there follow through, was it documented, etc.

Requirement	Description of requirement	Compliance - Ron's concerns	Group discussion	Outcome - Action Items
EOP-001-0				
R8	Have plans for manual load shedding	Member will develop the plans	Doesn't apply TOP, since the TOP needs to keep the responsibility even when they aren't a part of the requirement	SPP BA needs to have a plan to shed load manually and distribute between the members and communicate the plan (direct) to the members. BA would meet the requirement for underfrequency load shedding only. SPP BA would develop a plan (umbrella/zonal type plan) to direct each member to shed load. When the members gets the directive then their load shedding plan goes into effect. probably would be a type of percentage plan for droppin as opposed to mw. Automatic load shedding equipment would be separate from manual load shedding, need to keep it documented. also check with RC on the existance of documents.
EOP-004-1				
R3	report incident to RRO and NERC	Who will report to RRO and NERC	SPP will have procedures to do reporting to government entities	<p>Talking with the RE, the concern would be how much information do they want SPP to give out, or does the entity want to control the information</p> <p>if it is SPP equipment then SPP will report, if member equipment the member will report. One example is public appeals. If we tell the member to make the public appeal then SPP may have to do the report. It may be that we would end up sending 2 reports. The utility may be the one who does the report if the SPP BA is not involved. issue needs to researched and solvable through coordiantion.</p>

Requirement	Description of requirement	Compliance - Ron's concerns	For Goup Discussion on Feb 24, 2012	Outcome - Action Items
CIP-002-3				
R1	Critical Asset Identification Method - responsible party shall identify and document a risk-based assessment methodology to use to identify its Critical assets	concern from last summer: For All CIP requirements SPP and members will responsible for their own Cyber-Security	Note from CBASC - We do not need Joint Registration for any CIP. Each of us has CIP requirements as TOP/TO/GOP/GO/LSE/DSP and we will have our own compliance protocols to meet our CIP requirements	With talking with the RE the link between generator and the old RTGEN would be with the BA
COM-001-1.1				
R1	<i>Each Reliability Coordinator, Transmission Operator and Balancing Authority shall provide adequate and reliable telecommunications facilities the exchange of Interconnection and operating information:</i>	see below	see below	
R1.1	1) Internally	Concern from last summer: The RC is not require(d) for the same type of data	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	With talking with the RE the link between generator and the old RTGEN would be with the BA
R1.2	2) Between the RC and its TOP and BA	Concern from last summer: The RC is not require(d) for the same type of data	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	With talking with the RE the link between generator and the old RTGEN would be with the BA
R1.3	3) With other RC, TOP, and BA as necessary to maintain reliability	Concern from last summer: The RC is not require(d) for the same type of data	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	With talking with the RE the link between generator and the old RTGEN would be with the BA
R1.4	4) Where applicable, these facilities shall be redundant and diversly routed	Concern from last summer: The RC is not require(d) for the same type of data	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	With talking with the RE the link between generator and the old RTGEN would be with the BA
R2	Each RC, TOP and BA shall manage, alarm, test and/or actively monitor vital telecom facilities with special attention to Emergency facilities and equip not used for routine operations	Concern from last summer: The RC is not require(d) for the same type of data	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	See above how does SPP manage, alarm, test and/or actively monitor vital telecom facilities with special attention to Emergency facilities and equip not used for routine operations
R3	Unless otherwise agreed to; Each RC, TOP and BA shall use English as the language for all communications	no notes available from last summer	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	
COM-002-2.1				
R1	Each TOP, BA and GOP shall have communications with appropriate RC, BA and TOP. Staffed and available for emergencies	no notes available from last summer	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	With talking with the RE the link between generator and the old RTGEN would be with the BA
R1.1	Each RC, TOP, BA shall issue directives in clear concise and definitive manner	no notes available from last summer	These processes and procedures are already in place - note from CBASC TO are already obligated have communications in place	

Original CFR/JRO COMMENTS FOR DISCUSSION PURPOSES BETWEEN CBASC AND COMPLIANCE - DOCUMENT FROM SUMMER 2011

REQ	Sub	Description	Notes from CBASC on CFR/JRO needs for split functions	Ron Losh Comments on CFR/JRO needs
BAL-005-0.1b	R12.1.	Balancing Authorities that share a tie shall ensure Tie Line MW metering is telemetered to both control centers, and emanates from a common, agreed-upon source using common primary metering equipment. Balancing Authorities shall ensure that megawatt-hour data is telemetered or reported at the end of each hour.	Do not need joint registration. CBA will need to have multi-lateral agreement/documentation with the tie-meter owner/operators to the effect that the tie-meter owner/operators are performing this function on a binding basis for SPP only if common meter point exists . Alternatively, SPP TOPs could have bilateral agreement with SPP and in turn SPP can have bilateral agreement with first tier BA entities	
BAL-005-0.1b	R12.2.	Balancing Authorities shall ensure the power flow and ACE signals that are utilized for calculating Balancing Authority performance or that are transmitted for Regulation Service are not filtered prior to transmission, except for the Anti-aliasing Filters of Tie Lines.	Do not need joint registration. CBA will need to have multi-lateral agreement/documentation with the tie-meter owner/operators to the effect that the tie-meter owner/operators are performing this function on a binding basis for SPP only if common meter point . exists . Alternatively, SPP TOPs could have bilateral agreement with SPP and in turn SPP can have bilateral agreement with first tier BA entities making sure signals are not filtered	
BAL-005-0.1b	R12.3.	Balancing Authorities shall install common metering equipment where Dynamic Schedules or Pseudo-Ties are implemented between two or more Balancing Authorities to deliver the output of Jointly Owned Units or to serve remote load.	Do not need joint registration. CBA will need to have multi-lateral agreement/documentation with the tie-meter owner/operators to the effect that the tie-meter owner/operators are performing this function on a binding basis for SPP only if common meter point . exists . Alternatively, SPP TOPs could have bilateral agreement with SPP and in turn SPP can have bilateral agreement with first tier BA entities making sure signals are not filtered	
BAL-005-0.1b	R13.	Each Balancing Authority shall perform hourly error checks using Tie Line megawatt-hour meters with common time synchronization to determine the accuracy of its control equipment. The Balancing Authority shall adjust the component (e.g., Tie Line meter) of ACE that is in error (if known) or use the interchange meter error (IME) term of the ACE equation to compensate for any equipment error until repairs can be made.	Owners within SPP check between themselves as settlement areas and send SPP the data. Need agreement with SPP to that effect that TOPs will continue to check out as agents of SPP with SPP first tier BA entities	
BAL-005-0.1b	R15.	The Balancing Authority shall provide adequate and reliable backup power supplies and shall periodically test these supplies at the Balancing Authority's control center and other critical locations to ensure continuous operation of AGC and vital data recording equipment during loss of the normal power supply.	SPP CBA only. Data loss issues are [perhaps] managed through COM standards.	SPP can comply with our equipment, Members can comply with thiers.
BAL-005-0.1b	R17.	Each Balancing Authority shall at least annually check and calibrate its time error and frequency devices against a common reference. The Balancing Authority shall adhere to the minimum values for measuring devices as listed below: See Standard for Values	SPP only. SPP will need agreement with the TOP to test [by date certain] the meter where the frequency referece meter is located.	Per the Interpretation for Time Error only, if SPP owns the device, SPP only, If member owns, Member only.
BAL-005-0.1b	R8.1.	Each Balancing Authority shall provide redundant and independent frequency metering equipment that shall automatically activate upon detection of failure of the primary source. This overall installation shall provide a minimum availability of 99.95%.		If SPP frequency metering is own by members and SPP, CFR with that member.
BAL-006-2	R3.	Each Balancing Authority shall ensure all of its Balancing Authority Area interconnection points are equipped with common megawatt-hour meters, with readings provided hourly to the control centers of Adjacent Balancing Authorities.		Members will need to equipped wiuth common meters and provide readings

Original CFR/JRO COMMENTS FOR DISCUSSION PURPOSES BETWEEN CBASC AND COMPLIANCE - DOCUMENT FROM SUMMER 2011

REQ	Sub	Description	Notes from CBASC on CFR/JRO needs for split functions	Ron Losh Comments on CFR/JRO needs
BAL-006-2	R4.3	A Balancing Authority shall make after-the-fact corrections to the agreed-to daily and monthly accounting data only as needed to reflect actual operating conditions (e.g. a meter being used for control was sending bad data). Changes or corrections based on non-reliability considerations shall not be reflected in the Balancing Authority's Inadvertent Interchange. After-the-fact corrections to scheduled or actual values will not be accepted without agreement of the Adjacent Balancing Authority(ies).	SPP only - SPP as the BA agrees to the after the fact corrections with its first tier BA entities.	Members will need to tell SPP of bad data and correct in R5.
BAL-006-2	R5.	Adjacent Balancing Authorities that cannot mutually agree upon their respective Net Actual Interchange or Net Scheduled Interchange quantities by the 15th calendar day of the following month shall, for the purposes of dispute resolution, submit a report to their respective Regional Reliability Organization Survey Contact. The report shall describe the nature and the cause of the dispute as well as a process for correcting the discrepancy.	SPP only - TOPs can go verify meters at SPP's express request and we can craft agreement to include this verification process.	Members will need to correct and send report?
CIP-001-1a	ALL	Each Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, and Load-Serving Entity shall have procedures for the recognition of and for making their operating personnel aware of sabotage events on its facilities and multi site sabotage affecting larger portions of the Interconnection.	We do not need Joint Registration for any CIP. Each of us has CIP requirements as TOP/TO/GOP/GO/LSE/DSP and we will have our own compliance protocols to meet our CIP requirements.	If members have no control except GOP then SPP Only, If members have control CFR
COM-001-1.1	ALL	Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall provide adequate and reliable telecommunications facilities for the exchange of Interconnection and operating information:	SPP only. SPP TO already have this obligation to communicate with the RC.	The RC is not require for the same type of data.
EOP-001-0	R3.3.	Develop, maintain, and implement a set of plans for load shedding.	SPP BA only. TO are already obligated have communications in place -	The members can develop and maintain, SPP will implement the plans.
EOP-001-0	R3.4.	Develop, maintain, and implement a set of plans for system restoration.	SPP BA only. TO are already obligated have communications in place -	New EOP-005-2 will remove this requirement
EOP-001-0	R5.	Each Transmission Operator and Balancing Authority shall include the applicable elements in Attachment 1-EOP-001-0 when developing an emergency plan.	SPP only. TO will share and coordinate own plans with CBA. CBA will have its own Emergency ops plans.	Will need to talk about this.
EOP-001-0	R6.	The Transmission Operator and Balancing Authority shall annually review and update each emergency plan. The Transmission Operator and Balancing Authority shall provide a copy of its updated emergency plans to its Reliability Coordinator and to neighboring Transmission Operators and Balancing Authorities.	SPP only. TO will share and coordinate own plans with CBA. CBA will have its own Emergency ops plans.	Will need to talk about this, depends on above requirment.
EOP-001-0	R7.	The Transmission Operator and Balancing Authority shall coordinate its emergency plans with other Transmission Operators and Balancing Authorities as appropriate. This coordination includes the following steps, as applicable:	SPP only. TO will share and coordinate own plans with CBA. CBA will have its own Emergency ops plans	
EOP-001-0	R7.1.	The Transmission Operator and Balancing Authority shall establish and maintain reliable communications between interconnected systems.	SPP only. We do not need JRO as TO are obligated to perform this function anyway	Depends on if SPP send the data or Members are require to send data on our behave
EOP-001-0	R7.2.	The Transmission Operator and Balancing Authority shall arrange new interchange agreements to provide for emergency capacity or energy transfers if existing agreements cannot be used.	SPP only. We can enter into an agreement if necessary. JRO is not necessary.	Will SPP be a Marketer?

Original CFR/JRO COMMENTS FOR DISCUSSION PURPOSES BETWEEN CBASC AND COMPLIANCE - DOCUMENT FROM SUMMER 2011

REQ	Sub	Description	Notes from CBASC on CFR/JRO needs for split functions	Ron Losh Comments on CFR/JRO needs
EOP-001-0	R7.3.	The Transmission Operator and Balancing Authority shall coordinate transmission and generator maintenance schedules to maximize capacity or conserve the fuel in short supply. (This includes water for hydro generators.)	SPP only. TO will coordinate as we are already obligated to do so.	Will SPP worry about Fuel Supply
EOP-001-0	R7.4.	The Transmission Operator and Balancing Authority shall arrange deliveries of electrical energy or fuel from remote systems through normal operating channels.	SPP only. TO will coordinate as we are already obligated to do so.	Will SPP worry about Fuel Supply
EOP-003-1	R2.	Each Transmission Operator and Balancing Authority shall establish plans for automatic load shedding for underfrequency or undervoltage conditions.	SPP only - they have authority under criteria and we are required under criteria to respond to SPP. Documentation exists - do not need additional documentation.	SPP can,t develop plan, only implement the plan
EOP-003-1	R6.	After a Transmission Operator or Balancing Authority Area separates from the Interconnection, if there is insufficient generating capacity to restore system frequency following automatic underfrequency load shedding, the Transmission Operator or Balancing Authority shall shed additional load.	TO have requirements and plans for the separation contingency. SPP should have their own plan and TO will coordiate with SPP	This will become a TOP requirement under EOP-005-2
EOP-003-1	R7.	The Transmission Operator and Balancing Authority shall coordinate automatic load shedding throughout their areas with underfrequency isolation of generating units, tripping of shunt capacitors, and other automatic actions that will occur under abnormal frequency, voltage, or power flow conditions.	TO have requirements and plans for the separation contingency. SPP should have their own plan and TO will coordiate with SPP.	Members will need to coordinate.
EOP-003-1	R8.	Each Transmission Operator or Balancing Authority shall have plans for operator-controlled manual load shedding to respond to real-time emergencies. The Transmission Operator or Balancing Authority shall be capable of implementing the load shedding in a timeframe adequate for responding to the emergency.	TO have requirements and plans for the separation contingency. SPP should have their own plan and TO will coordiate with SPP. RC can order us to shed load, the SPP will need to register for this function	Will need to talk about this
EOP-008-0	ALL	Each Reliability Coordinator, Transmission Operator and Balancing Authority shall have a plan to continue reliability operations in the event its control center becomes inoperable. The contingency plan must meet the following requirements:		If members have no control SPP Only, If members have some control CFR
NUC-001-2	ALL	The Nuclear Plant Generator Operator and the applicable Transmission Entities shall have in effect one or more Agreements that include mutually agreed to NPIRs and document how the Nuclear Plant Generator Operator and the applicable Transmission Entities shall address and implement these NPIRs.	Members only will be Westar, NPPD, OPPD	
PER-002-0	ALL	Each Transmission Operator and Balancing Authority shall have a training program for all operating personnel that are in:		If we do a CFR both will be register as BA, both will be require to have certify operators. CFR required due to the Auditor Interpretation as TOP doing BA function

CONSOLIDATED BALANCING AUTHORITY STEERING COMMITTEE

Current Action Item list as of: March 12, 2012

Date	Action Item	Assignment	Status	Comments
	ACTION ITEMS FROM CBA MEETING MINUTES			
Open Action Items transferred from 2011 - (these items transferred to other workstreams)				
14-Apr	Determine recommendation for Grandfathered agreement handling	SPP staff	in progress	included Regulatory Workplan
14-Apr	Determine settlement/inad/reg costs caused by testing ramifications - discuss w/OWRG/MWG	Joint Working Group	in progress	included in JWG Workplan
14-Apr	Use of backup AGC settlement process - discuss with ORWG/MWG	Joint Working Group	in progress	included in JWG Workplan
14-Apr	Determine additional system needs for the TOP to restore islands - discuss with ORWG/MWG	Joint Working Group	in progress	included in JWG Workplan
14-Apr	Determine CBA member testing plans (more detailed project timeline) - being developed by CWG	Members	in progress	included in 2012 CWG Workplan
Open Action Items transferred from 2011 for CBASC				
19-Nov	Research issues related to HVDC tie coordination and bring information back to the CBASC	SPP staff	in progress	included in 2012 CBASC Workplan
12-Jan	Provide SPS "Mission Mode" paging system recommendation to group	SPP staff	in progress	included in 2012 CBA Workplan
7-Feb	Identify behind the meter generation for CBASC review for completeness of list.	SPP staff	in progress	included in 2012 CBA Workplan
14-Apr	Coordinate CBA registration for MRO with Regulatory	SPP staff	in progress	see March 15 coord mtg
14-Apr	Put together a list of all items affected in various situations of backup/REVERSION PLAN	SPP staff	not started	included in 2012 CBASC Workplan
14-Apr	Discuss and clarify reversion plan(s) with Regulatory	SPP staff	not started	included in 2012 CBASC Workplan
14-Apr	RTGEN workshop for interested parties	SPP staff	not started	included in 2012 CBASC Workplan
13-Oct	Prepare a draft of MPRR for Ramp Reservation System validation for TSR	Jessica Collins/Shah Hossain	on hold	OATI to provide Sys Req Summary
3-Nov	Members to provide legal agreement to their organization/legal for review and return comments	members	on hold	included in 2012 CBASC Workplan
New Actions Items for 2012				
19-Jan	Prepare SPP Emergency Desk Procedures to be reviewed by CBASC - before April	Shari Brown	in progress	
19-Jan	Schedule meeting with CBASC and MRO	Philip Propes	complete	see March 15 coord mtg
19-Jan	Schedule face-to-face meeting with SPP RE (Ron Ciesel)	Philip Propes	complete	see March 15 coord mtg
19-Jan	Create a draft CFR example - need to have this for discussions with MOPC	Shari Brown	on hold	
19-Jan	Shari to email workplan to CBASC exploder	Shari Brown	complete	provided on Feb 7 meeting
19-Jan	Provide update on upcoming SPP Operations Day-in-the-Life activity at next meeting	Shari Brown	complete	provided on Feb 7 meeting
7-Feb	Provide expanded CBASC workplan with dates	Shari Brown	complete	
7-Feb	Compliance create a draft CFR example - need to have this for discussions with MOPC	Philip Propes	in progress	
7-Feb	Schedule meeting with CBASC and MRO - face to face - schedule for 2nd week of march (12th)	Stacy Duckett/Philip Propes	complete	
7-Feb	Hold necessary meetings to discuss Compliance issues with 32 NERC requirements	Bill Grant	complete	
7-Feb	Bring back recommendations to CBASC on Compliance issues	Bill Grant	complete	
7-Feb	Schedule additional CBASC teleconferences and face-to-face meetings	Shari Brown	complete	
7-Feb	Prepare SPP IEO draft desk procedures to be reviewed by CBASC	Shari Brown	in progress	
7-Feb	Add concern about section 5.2 table for frequency meters to agenda for Feb 24 mtg	Shari Brown	TBD	see feb 24 actions items
7-Feb	Email the CWG announcement for the RTGEN/ICCP Deep Dive to the CBASC exploder	Shari Brown	complete	
7-Feb	Prepare SPP Emergency Desk Procedures to be reviewed by CBASC	Shari Brown	in progress	
24-Feb	Hold add't small group meeting to discuss Compliance issues with 32 NERC requirements	Bill Grant	NA	not able to schedule add't mtgs
24-Feb	Add concern about section 5.2 table for frequency meters to a later agenda	Shari Brown	TBD	

CONSOLIDATED BALANCING AUTHORITY STEERING COMMITTEE

Current Action Item list as of: March 12, 2012

Date	Action Item	Assignment	Status	Comments
24-Feb	Review precious Technical Task Force Roster and request new representatives as needed	Shari Brown	in progress	
12-Mar	Provide SPP desk procedure outlines for Emergency Operations	Shari Brown	in progress	