



CCET Discovery Across Texas Synchrophasor Team Meeting
November 5, 2014

ERCOT UPDATE

Bill Blevins
Manager, Operations Support

- AEP: 54
- ONCOR: 17
- Sharyland: 5



DEPLOYMENT STATUS REPORTS

- AEP – 54 PMUs**

1	AEP	Bowman1421@Riley	Riley
2	AEP	Bowman2421@Riley	Riley
3	AEP	BwmnFshr@Riley	Riley
4	AEP	Escond@Hmltn	Hamilton Road
5	AEP	IL4@HmltnRd	Hamilton Road
6	AEP	PicochoN@HnRd	Hamilton Road
7	AEP	PicochoS@HnRd	Hamilton Road
8	AEP	Odlaw@HamiltonRd	Hamilton Road
9	AEP	GulfWindTR1-345	GulfWind
10	AEP	GulfWindTR2-345	GulfWind
11	AEP	PenascalTR1-345	Penascal
12	AEP	PenascalTR2-345	Penascal
13	AEP	Westside@Airline	Airline
14	AEP	WhitBkr@RioPecos	Rio Pecos
15	AEP	MTDR-SPUR	Matador
16	AEP	Sys20ku1@Riley	Riley
17	AEP	Sys10ku2@Riley	Riley
18	AEP	Bvill11690/8530	Beeville
19	AEP	21ALCK@Gonzales	Gonzales
20	AEP	ACACL90@Gonzales	Gonzales
21	AEP	TR1@CedroHill	Cedro Hill
22	AEP	SVC@Dilley	Dilley Switch
23	AEP	TR1@TurkeyTrack	Turkey Track
24	AEP	ECik1L901@Tesla	Tesla
25	AEP	ECik1L902@Riley	Riley
26	AEP	ECik2L901@Tesla	Tesla
27	AEP	ECik2L902@Riley	Riley
28	AEP	Grag1L90@Tesla	Tesla
29	AEP	Grag2L90@Tesla	Tesla
30	AEP	Riley1L901@Tesla	Tesla
31	AEP	Riley2L901@Tesla	Tesla
32	AEP	TCany1L90@Tesla	Tesla
33	AEP	TCany2L90@Tesla	Tesla
34	AEP	Tesla1L901@Riley	Riley
35	AEP	Tesla2L901@Riley	Riley
36	AEP	WKRUM1421@RILEY	Riley
37	AEP	WKRUM2421@RILEY	Riley
38	AEP	Dermott1@ClearCr	Clear Crossing
39	AEP	Dermott2@ClearCr	Clear Crossing
40	AEP	ECik1@ClrCrossng	Clear Crossing
41	AEP	ECik2@ClrCrossng	Clear Crossing
42	AEP	WCrk1@ClrCrossng	Clear Crossing
43	AEP	WCrk2@ClrCrossng	Clear Crossing
44	AEP	CICr1L90@EdCik	Edith Clarke
45	AEP	CICr2L90@EdCik	Edith Clarke
46	AEP	Cotwd3L90@EdCik	Edith Clarke
47	AEP	Cotwd4L90@EdCik	Edith Clarke
48	AEP	Riley1L901@ECik	Edith Clarke
49	AEP	Riley2L901@ECik	Edith Clarke
50	AEP	Tesla1L901@ECik	Edith Clarke
51	AEP	Tesla2L901@ECik	Edith Clarke
52	AEP	SanMiguel@Lobo	Lobo
53	AEP	LonHill@Nedinbrg	North Edinburg
54	AEP	Hrlngn@Oleander	Oleander

DEPLOYMENT STATUS REPORTS

- ONCOR – 17 PMUs

#	Company	PMU Name	Name of the SubStation where PMU is located
1	ONCOR	EXPKY 9145	Executive Parkway
2	ONCOR	GAVSW 022	Greenville Avenue
3	ONCOR	JEWET 1834	Jewet SW.
4	ONCOR	KLNSW 5020	Killeen SW.
5	ONCOR	LNGSW 9400/9405	Longshore SW.
6	ONCOR	MGCSW 6520	Morgan Creek SW.
7	ONCOR	ODEHV11425/11420	Odessa EHV
8	ONCOR	PMBSW 2580/2590	Permian Basin
9	ONCOR	TKWSW 9205/9210	Tonkawa SW.
10	ONCOR	CPSSW 8070	Comanche Peak SW.
11	ONCOR	DMTSW10945/10940	Dermott SW.
12	ONCOR	SCOSW10715/10710	Scurry County South SW.
13	ONCOR	SWESW10510/10515	Sweetwater East SW.
14	ONCOR	CBFSW11130/11135	Central Bluff SW.
15	ONCOR	CBFSW11140/11135	Central Bluff SW.
16	ONCOR	BWNSW10840/10835	Brown SW.
17	ONCOR	BWNSW10845/10850	Brown SW.

- SHARYLAND – 5 PMUs

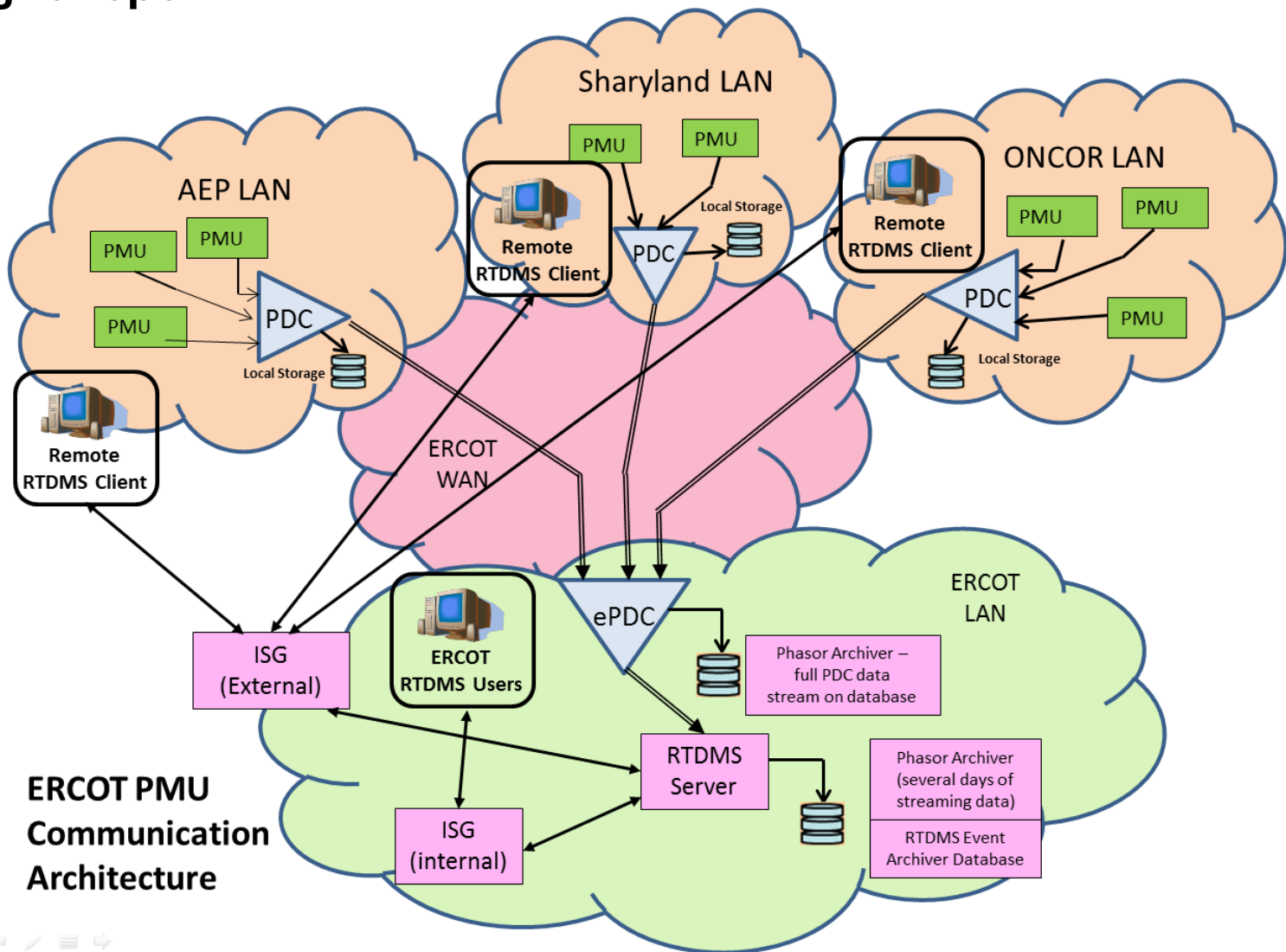
1	SHARYLAND	PMU2-Railroad	Railroad
2	SHARYLAND	PMU3-Railroad	Railroad
3	SHARYLAND	PMU1-AJ Swope	AJ Swop
4	SHARYLAND	PMU2-AJ Swope	AJ Swop
5	SHARYLAND	PMU3-AJ Swope	AJ Swop

RTDMS/PMU DAILY PERFORMANCE REPORT

- **Nothing to report**

RTDMS 2012 DEPLOYMENT STATUS

- Nothing to report



RTDMS 2012 DEPLOYMENT STATUS

- **We have a monitor in ERCOT's Control center (at Shift Engineer's desk)**

RTDMS 2012 DEPLOYMENT STATUS

- Monitor in ERCOT's Control center (at Shift Engineer's desk)



RTDMS 2012 DEPLOYMENT STATUS

- We have a monitor in ERCOT's Control center (at Shift Engineer's desk)
- **ERCOT submitted the revised Communication System Guidelines to the ERCOT PMU Task Force**
- **Included a section from EPG on PMU data quality test**
- **Major Patch from EPG scheduled for December 2014**

CLIENT TRAINING FOR TRANSMISSION OWNERS

- **ERCOT provided onsite training on ERCOT displays for AEP and ONCOR**
 - AEP : 14th August, 2014 at Corpus Christi
 - ONCOR : 25th August, 2014 at Dallas
- **Sharyland had some initial discussions with ERCOT – Status ?**
 - Having discussions with EPG

- **Training Provided to Transmission Owners and QSEs by EPG at ERCOT on 16 & 17 Sept 2014**
 - This time it was open to TDSPs and QSEs
 - Total of about 70 participants attended (Total 80 registered)
 - TOs & QSEs : 35
 - ERCOT : 35
 - Involved some cases studies based on real events
 - Very well received

EVENT REPORTING AND POSTING

- **Reports being posted on CCET Base Camp (ERCOT)**

- July 2014

-  [Phasor Dynamics Event Summary July-24-2014 1024 HRS.pdf](#)


-  [Phasor Dynamics Event Summary July-23-2014 2009 HRS.pdf](#)


-  [Phasor Dynamics Event Summary July-21-2014 1653 HRS.pdf](#)

-  [Phasor Dynamics Event Summary July-17-2014 1755 HRS.pdf](#)


-  [Phasor Dynamics Event Summary July-01-2014 1012 HRS.pdf](#)


- August 2014


-  [Phasor Dynamics Event Summary Aug-30-2014 2217 HRS.pdf](#)


-  [Phasor Dynamics Event Summary Aug-13-2014 1045 HRS.pdf](#)

- September 2014


-  [Phasor Dynamics Event Summary Sept-11-2014 0641 HRS.pdf](#)

-  [Phasor Dynamics Event Summary Sept-11-2014 0733 HRS.pdf](#)


-  [Phasor Dynamics Event Summary Sept-03-2014 1438 HRS.pdf](#)

-  [Phasor Dynamics Event Summary Sept-03-2014 1037 HRS Final.pdf](#)


- October 2014

-  [Phasor Dynamics Event Summary Oct-29-2014 1206 HRS.pdf](#)

-  [Phasor Dynamics Event Summary Oct-13-2014 0827 HRS.pdf](#)

-  [Phasor Dynamics Event Summary Oct-12-2014 1600 HRS.pdf](#)

-  [Phasor Dynamics Event Summary Oct-09-2014 1329 HRS.pdf](#)

-  [Phasor Dynamics Event Summary Oct-08-2014 1550 HRS.pdf](#)

LCRA PMU DATA INTEGRATION STATUS

- **LCRA to update**

PARTICIPATION IN CIGRE AND NASPI MEETINGS

- **CIGRE:**

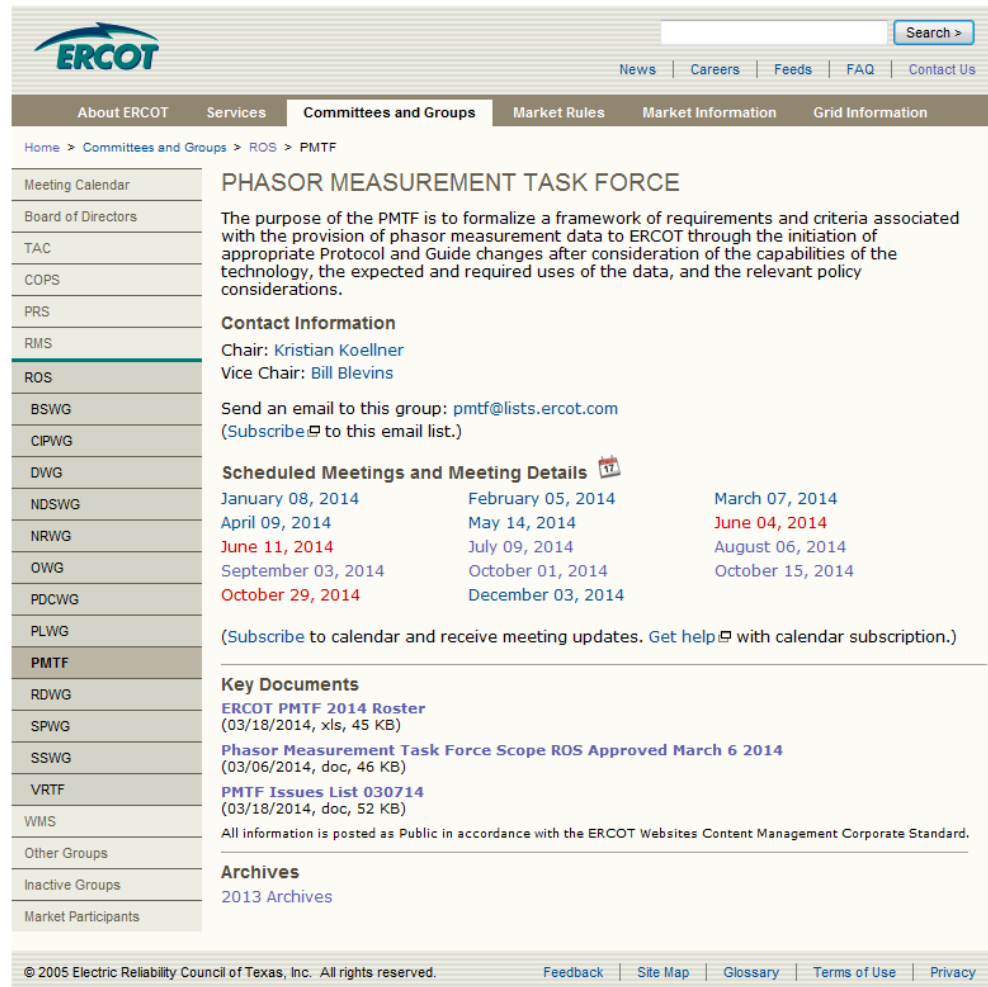
- Sidharth presented the paper '*Post-Event Analysis of a Compound Event in the ERCOT System Using Synchrophasor Data*' by Sidharth Rajagopalan, Sarma Nuthalapati, Tim Mortensen and Bill Blevins

- **NASPI**

- John Adams made a presentation on '*Use of Synchrophasors for Operations Support at ERCOT*'

ERCOT PHASOR MEASUREMENT TASK FORCE

- Presented their report to ROS on 30th Oct, 2014 which was very well received
- ROS agreed that they should proceed with developing ERCOT's draft language as a formal NOGRR
- PMTF will be maintained while NOGRR is working its way through the process
- Communication Handbook in in final draft stage



The screenshot shows the ERCOT website's "Committees and Groups" page for the PHASOR MEASUREMENT TASK FORCE (PMTF). The page includes a sidebar with a list of groups, a main content area with a description of the PMTF's purpose, contact information for Kristian Koellner and Bill Blevins, a table of scheduled meetings, key documents like the PMTF Roster and Scope, and a list of archives. The footer contains copyright information and links for feedback, site map, glossary, terms of use, and privacy.

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Home > Committees and Groups > ROS > PMTF

PHASOR MEASUREMENT TASK FORCE

The purpose of the PMTF is to formalize a framework of requirements and criteria associated with the provision of phasor measurement data to ERCOT through the initiation of appropriate Protocol and Guide changes after consideration of the capabilities of the technology, the expected and required uses of the data, and the relevant policy considerations.

Contact Information
Chair: [Kristian Koellner](#)
Vice Chair: [Bill Blevins](#)

Send an email to this group: pmtf@lists.ercot.com
([Subscribe](#) to this email list.)

Scheduled Meetings and Meeting Details

January 08, 2014	February 05, 2014	March 07, 2014
April 09, 2014	May 14, 2014	June 04, 2014
June 11, 2014	July 09, 2014	August 06, 2014
September 03, 2014	October 01, 2014	October 15, 2014
October 29, 2014	December 03, 2014	

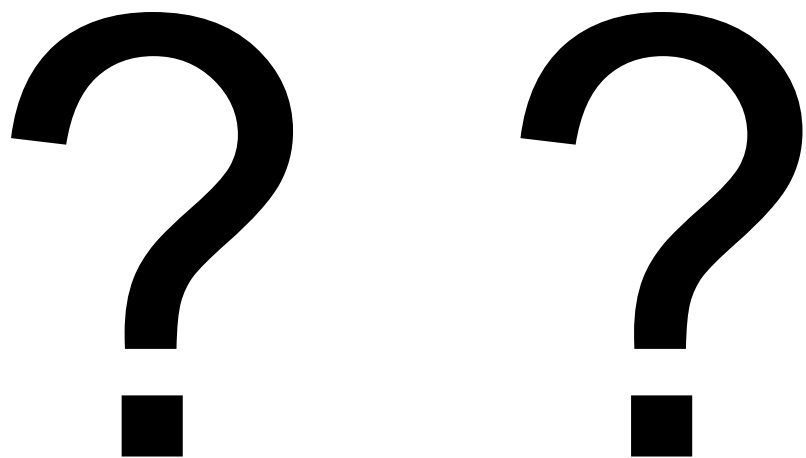
([Subscribe](#) to calendar and receive meeting updates. [Get help](#) with calendar subscription.)

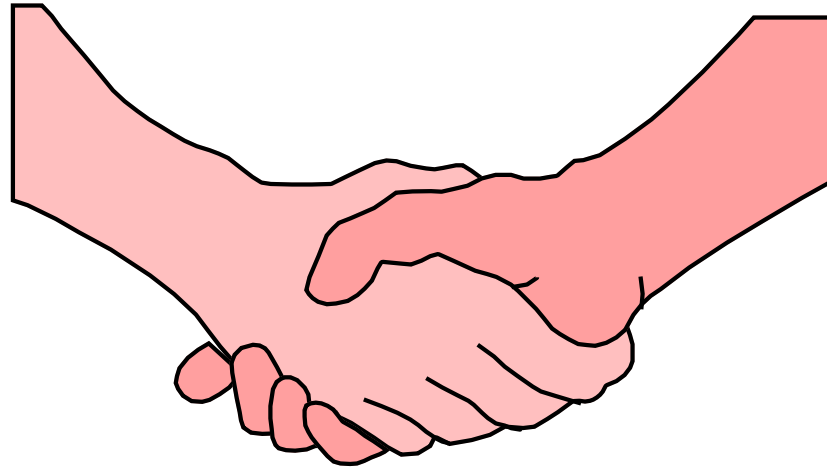
Key Documents
[ERCOT PMTF 2014 Roster](#)
(03/18/2014, xls, 45 KB)
[Phasor Measurement Task Force Scope ROS Approved March 6 2014](#)
(03/06/2014, doc, 46 KB)
[PMTF Issues List 030714](#)
(03/18/2014, doc, 52 KB)

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Archives
[2013 Archives](#)

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