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WECC Registry 13 October 2011 San Francisco

Acknowledgement and Disclaimer

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What is a Registry at its Core?

- WECC's Registry Approach:
 - 1. A listing of Devices with an associated set of META data that defines each device.
 - 2. A listing of Measurements with an associated set of META data defining the measurement.
 - 3. A hierarchy that defines how the Devices and Measurements relate to each other.



WECC Registry Breakdown

- Templates- A predefined named grouping of fields that define a particular object.
 - o PMU Template
 - Measurement (Signal) Template
 - o PDC Template
 - o Line Template
 - Measurement (MW, MVAR, ETC) Template



WECC Registry Breakdown

- Hierarchy A tree view relationship to group devices in a logical manner.
 Our tree breakdown:
 - Company
 - Substation
 - Device
 - Measurements



WECC Selected Vendors

Back End



Front End

HTTPS://WWW.WECCRC.ORG

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PMU META Data

RegistryEditor		
4 1 B B B 4 8		
HANFORD	PMU MALIN.PMU.500.1	
- HATWAI	Description	
- HOT SPRG	PMU: MAUN - MAUN PMU 500.1	
- JOHN DAY	Common	
- KEELER		
KLAMCOGN	RCO: Owner: BPA	<u>•</u>
i − LANE	RCO Abbr: Operator: BPA	•
III- LIT_GOOS	EMS:	
E-LOW_GRAN	SCADA:	
E- LOW_MON	Owner:	
MALIN	RCO Station:	
Lines	100 518001.	
Init PMUs	Contacts	
HALIN/PMU/500/2	Location	
- MAUN.PMU.500.2	Longitude: 42.00686 Latitude: -121.3165	
MALIN.PMU.S00.3	GISSource: Platts GISSourceld: 3337417425	
i · MALIN.PMU.500.4	Time Zone. PST	
- MAPLE_VL	Device	
- MARION	Virtual:	
MCNARY		
MONROE	Manufacturer: Not Defined Model:	
NAPAVINE	Serial Number: Revision:	
■- OLYMPIA	Net IP Address:	
OSTRNDER	Protocol: C37.118-2005 Protocol Id: 34001	
PAUL F- PEARL	Clock Time Zone: PST	
E- PONDROSA	Install Date: 1/1/0001 12:00:00 A	
	In Service Date: 1/1/0001 12:00:00 A	
E- RAVER_TP	Retired Data: 1/1/0001 12:00:00 A	
- ROCKCREK		
■- ROSS	Status	
- SACAJWEA	CIP Compliant: R	
V Returned Data		ALPHA/scropley Admin S





