 California ISO RC West	Reliability Coordinator Procedure	Procedure No.	RC0120C
		Version No.	3.3
		Effective Date	4/01/24
ICCP or PMU Data Request Procedure		Distribution Restriction: None	

Purpose

Describe the procedure to request real-time Inter-Control Center Communications Protocol (ICCP) Data or phasor measurement unit (PMU) Data from the Western Data Sharing Pool (WDSP), which is hosted by RC West.

1. Responsibilities

- Western Interconnection Data Sharing Agreement (WIDSA) signatories
- Reliability Coordinator (RC)

2. Scope/Applicability

RC West hosts the WDSP that is used to share / exchange ICCP and PMU Data between signatories of the WIDSA. Sharing of real-time ICCP and PMU data is governed by the WIDSA.


If a WDSP entity requires real-time critical PMU data, the request process is outlined in Section 3. However, the entity will be required to have a Phasor Data Concentrator that adheres to the IEEE C37.118 Standards to process the data.

3. Procedure Detail

3.1 Requesting access to real-time data points

The following steps need to be completed in order to submit access requests for specific ICCP data points or PMU data to RC West:

1. Requestor reviews the latest list of all available points:
 - a. ICCP data points viewed on the RC Portal > Model Library > Real-Time ICCP Points.
 - b. PMU data points are available through [WECC's Joint Synchronized Information Subcommittee \(JSIS\) PMU Registry](#). RC West currently has a subset of the total PMU Registry of available data. Some PMU data may only be available from the PMU Owner. RC West can only share PMU data that is available in its database.

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2. Requestor identifies the specific list of ICCP or PMU data points to be requested, and submits through the CIDI system.
 - a. If the entity does not have access to CIDI, please send email to RC West **Service Desk**, servicedesk@caiso.com, and ask them to create a CIDI ticket with the label “ICCP Data Request” or “PMU Data Request”, as applicable.
3. RC West EMS IT Support updates the necessary read permissions for the requesting entity on the WDSP ICCP or PMU system.
4. RC West will request customer validation, via the CIDI ticket and via an email notification, to confirm the requested ICCP or PMU points are ready to be accessed via the WDSP ICCP or PMU system.

3.2 Requesting historical PMU data

1. Requestor reviews the latest list of all available points:
 - a. PMU data points are available through [WECC's Joint Synchronized Information Subcommittee \(JSIS\) PMU Registry](#). RC West currently has a subset of the total PMU Registry of available data. Some PMU data may only be available from the PMU Owner. RC West can only share PMU data that is available in its database. If a WDSP entity requires specific PMU historical event data, it is preferable that they contact the PMU Owner to obtain the data.
2. Requestor identifies the specific list of PMU data points to be requested, and submits through the CIDI system. Event data is typically 5 minutes pre-event and 15 to 20 minutes post-event.
 - a. If the entity does not have access to CIDI, please send email to RC West **Service Desk**, servicedesk@caiso.com, and ask them to create a CIDI ticket with the label “PMU Data Request”.
3. RC West can provide the PMU historical event data in simple csv format if it is not available from the PMU Owner. A request for historical PMU event data can only be provided 60 days from the event date. The data will be posted to the RC Portal > Western Interconnection Model library for 60 days.
4. RC West will request customer validation, via the CIDI ticket and via an email notification, to confirm the requested PMU historical event data is ready to be accessed via the RC Portal > Western Interconnection Model library.

For further support or process related questions, please submit a CIDI ticket or email to ISORC@caiso.com.

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4. Supporting Information

Operationally Affected Parties

Shared with the Public, AESO RC, BC Hydro RC, SPP RC, and all Western Interconnection BAs and TOPs.

References

NERC Requirements	IRO-010-4; TOP-003-5
BA/TOP Operating Procedure	3140 TOP-003-3 TOP - BA Data Request and Specification Guidelines 3140A TOP-003 TOP - BA Data Request and Specifications for Data Provision
Other References	

Definitions


The following terms capitalized in this Operating Procedure when used are defined below:

Term	Description
Western Interconnection Data Sharing Agreement (WIDSA)	The intent and objective of this Agreement is to facilitate sharing of Covered Data for Permitted Purposes. Covered Data to be shared pursuant to this Agreement is to be treated as confidential, business sensitive, and potentially harmful to competition if inappropriately disseminated.
Western Data Sharing Pool (WDSP)	The CAISO will maintain a western data sharing pool (WDSP) that will contain all real-time data points linked to the network model and reliability data such as transmission corridor flow and limits, etc.

Version History

Version	Change	Date
1.0	New Procedure Attachment created.	11/01/19
2.0	Updated to include process for PMU historical or real-time data, including update of procedure title.	5/29/20

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Version	Change	Date
	Minor format and grammar updates. Errata Change: Annual Review.	
3.0	Annual Review: Updated Operationally Affected Parties and NERC Standard reference.	4/01/21
3.1	Annual Review: References: Updated NERC Standard and removed reference to CAISO IRO-010 RC Data Specifications since detail now in CAISO Operating Procedure 3140A also referenced. Definitions Section: Updated from ISO to CAISO.	5/03/22
3.2	Annual Review: Updated NERC Requirements under References section.	4/01/23
3.3	Annual Review: Updated two instances of RC West “help desk” to “Service Desk”.	4/01/24

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