
 California ISO	Reliability Coordinator Procedure	Procedure No.	RC0220
		Version No.	1.0
		Effective Date	7/01/2019
Time Error Correction		Distribution Restriction: None	

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Purpose

Provide guidance to the Reliability Coordinator Operator upon initiation of Manual Time Error Correction (TEC) in a manner that does not adversely affect the reliability of the Interconnection.

1. Responsibilities

- Reliability Coordinator Operator
- Balancing Authority

2. Scope/Applicability

- This procedure Includes TEC coordination between the Western Interconnection Time Monitor, the CAISO Reliability Coordinator and the Balancing Authorities in the CAISO RC area.


3. Procedure Detail

3.1. Initiation of Manual Time Error Correction

Peak Reliability Coordinator is the designated Western Interconnection Time Monitor and issues the Manual Time Error Correction (TEC). With the retirement of NERC Standard BAL-004-0, TEC is no longer initiated when the time error crosses predefined thresholds. However, TEC may still be issued if needed for reliability reasons as determined by the Interconnection Time Monitor. This will be accomplished by all Balancing Authorities (BA) in the Western Interconnection entering a frequency offset of ± 0.02 Hz. TEC starts and terminates on the hour or half-hour unless there is a reliability concern.

The Interconnection Time Monitor is responsible for communicating TEC to all Reliability Coordinators in the Western Interconnection. Each Reliability Coordinator is responsible for communicating TEC information to the BAs in its RC area.

Reliability Coordinator Actions
<ul style="list-style-type: none"> • Monitor the Reliability Coordinator Information System (RCIS) for notification of a TEC from the Interconnection Time Monitor. • Notify CAISO RC Area BAs through the Grid Messaging System (GMS) upon initiation of TEC. Be sure to include the following information: <ul style="list-style-type: none"> ○ FAST or SLOW Correction, ○ Effective time that the TEC will be initiated, ○ Current accumulated time error, and ○ The scheduled frequency (either 59.98 Hz or 60.02 Hz). • Ensure that all BAs in CAISO RC area acknowledge notification.

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3.2. Termination of Manual Time Error Correction

The Interconnection Time Monitor will terminate TEC for the WECC Interconnection when termination does not pose a reliability issue. It is the responsibility of the CAISO RC Operator to disseminate TEC termination information to the CAISO RC Area.

Reliability Coordinator Actions
<ul style="list-style-type: none"> • Monitor RCIS for notification of TEC termination from the Western Interconnection Time Monitor. • Notify CAISO RC Area BAs through GMS. Be sure to include the following information: <ul style="list-style-type: none"> ○ Effective time of termination, ○ Current accumulated time error, and ○ The scheduled frequency upon termination (60.00 Hz). • Ensure that all BAs in CAISO RC area acknowledge notification.

3.3. Request Termination due to Reliability

An entity within the CAISO RC Area may notify the CAISO RC Operator if the TEC is causing a reliability concern.

Reliability Coordinator Actions
<ul style="list-style-type: none"> • Notify the Interconnection Time Monitor and request termination of the TEC in progress upon notification that the TEC is causing reliability concerns to an entity within the CAISO RC area.


4. Supporting Information

Operationally Affected Parties

Shared with Public.

References

NERC Requirements	
BA/TOP Operating Procedure	
Other References	

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Definitions

The following terms capitalized in this Operating Procedure are in accordance with the NERC Glossary, and/or otherwise when used are as defined below:

Term	Description
Reliability Coordinator (RC) Area	The collection of generation, transmission, and loads within the boundaries of the Reliability Coordinator. Its boundary coincides with one or more Balancing Authority Areas.

Version History

Version	Change	Date
1.0	Approved by Steering Committee.	9/26/18

5. Periodic Review Procedure

Appendix

No references at this time.