



California ISO

Outage Management System (OMS) Remedial Action Scheme (RAS) Changes

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Customer Readiness

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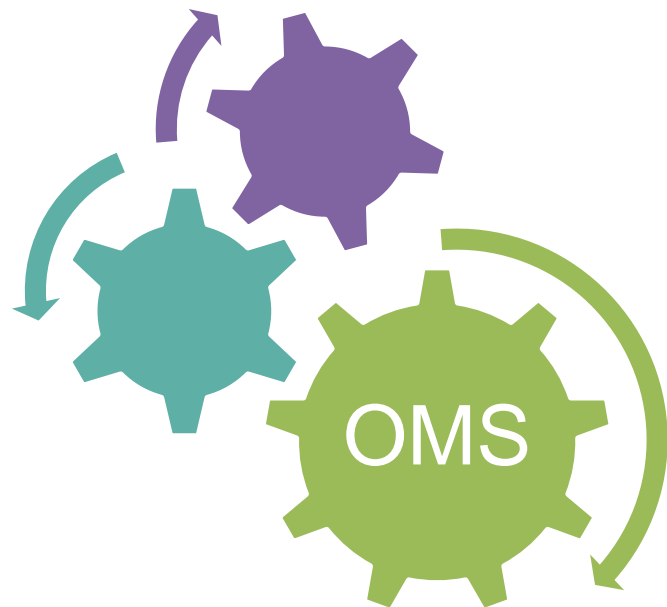
Definitions

Abbreviation/Term	Definition
API	Application Programming Interface
EMS	Energy Management System
ICCP	Inter-control Center Communications Protocol
NOW	Nature of Work
OMS	Outage Management System
RAS	Remedial Action Scheme
SPS	Special Protection System
UI	User Interface

Agenda

- This learning burst provides information on:
- Changes to RAS flags
- Identifying RAS impact on transmission outages for communications or relay work





OMS ENHANCEMENTS

Remedial Action Scheme (RAS) fields on outage cards (Change to UI display only)

The modeling for the four RAS flags has changed from check boxes to radio buttons in the UI display so that they are always one of the following selections: **(Y)es, (N)o, or N/A (Undefined or Null)**

Previous format:

RAS/SPS Out of Service RAS/SPS Reduced Redundancy
Protection Zone EMS/ICCP Outage

New format:

RAS/SPS Out of Service Y N N/A
RAS/SPS Reduced Redundancy Y N N/A
Protection Zone Y N N/A
EMS/ICCP Outage Y N N/A

Implementation of new RAS fields validation rule

- **Active transmission outages** (only) with a Nature of Work (NOW) of COMMUNICATIONS or RELAY_WORK submitted prior to implementation will have the RAS flags set to **N** to avoid triggering error messages
 - *Effective upon implementation*
- Historical (inactive) outages will not be impacted
- **New transmission outages** created after the enhancement is deployed will be required to indicate **Y** or **N** for the RAS flags if the NOW of COMMUNICATIONS or RELAY_WORK is selected

Implementation steps for OMS users

- The API has **not** changed
- Validation will be implemented to ensure that the RAS flags are present in the API submission for transmission outages with a NOW of COMMUNICATIONS or RELAY_WORK
- Validation is looking for the following four elements:
 - <outageEMSICCP>false</outageEMSICCP>
 - <outOfServiceRASSPS>true</outOfServiceRASSPS>
 - <protectionZone>false</protectionZone>
 - <redundancyRASSPS>true</redundancyRASSPS>
- If unable to submit these RAS flags through the API, please submit these types of outages manually in OMS

The value will be true or false



Thank you for listening!

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