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

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Radha Madrigal
Customer Readiness

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## Definitions

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

For more detailed information on anything presented, please visit our website at:
www.caiso.com

Or send an email to:
CustomerReadiness@caiso.com