Instructions for Quarterly Residential Demand Response Data Submission by Retail Electric Providers

Per the requirements in 16 Texas Administrative Code (TAC) §25.186, Goal for Average Total Residential Load Reduction:

\* \* \*

(d) Average total residential load reduction goal.

(1) No later than 45 days following the end of each calendar quarter, a REP providing a responsive device program within the ERCOT region must submit to ERCOT, on a form prescribed by ERCOT, the following information for each calendar month in the quarter:

(A) the electric service identifier (ESI ID) for each residential customer with smart appliances or devices enrolled in each responsive device program offered by the REP; and

(B) the date of each demand response event, including each demand response event start time and stop time and the ESI IDs deployed for each event.

\* \* \*

To achieve this requirement, ERCOT requests REPs with residential customers take the following actions after the close of each calendar quarter and follow the forms and formats indicated in Appendix A:

1. ERCOT will send an initial email to the Authorized Representative and Back-up Authorized Representative for each REP which registered residential ESI IDs for one or more days during the previous calendar quarter. The email will list affiliated REPs (those with same AR/BAR contacts and DUNS) that also had registered Residential ESI IDs during the most recently completed calendar quarter.
2. The REP Primary Contact must respond to the ERCOT email via [DRSURVEY@ercot.com](mailto:DRSURVEY@ercot.com) to inform ERCOT:
   1. Which REPs from the initial email had Residential ESI IDs participating in a PUCT Rule defined responsive device program for one or more days during the most recent calendar quarter.
   2. Specify email addresses that need to be allowed read/write privileges for secure file sharing. (If there are no updates to the email addresses that were used in the previous quarter, please confirm the previous list of email addresses.)
      1. ERCOT will register the email addresses and send a file of ESI IDs to the REP via ERCOT-designated secure sharing to assist with data collection and validation. The file will contain Residential ESI IDs owned by the REP during the most recent calendar quarter together with the start and stop dates of those periods of ownership.
3. REPs compile the RDP Participant data file and the RDP Event data file.
   1. Files should follow the naming and formatting conventions indicated in [Appendix A](#Appendix_A) below.
   2. Participant and Event data shall not include ESIIDs enrolled in Emergency Response Service (ERS) or in a TDSP Load Management program.
4. REPs send files to ERCOT via ERCOT-designated secure file sharing method (setup previously in Step 2).
   1. If a REP has no residential ESI IDs participating in a PUCT Rule-defined responsive device program, an email should be sent to [DRSURVEY@ercot.com](mailto:DRSURVEY@ercot.com) with a statement attesting to the absence of such programs.
   2. If a REP has ESI IDs participating in a PUCT Rule-defined responsive device program, but there were no deployment events in the quarter, the REP shall send an email to [DRSURVEY@ercot.com](mailto:DRSURVEY@ercot.com) attesting to this fact.
5. ERCOT will respond to the file submission within 3 business days of receipt with validation results and corresponding validation files.
6. REP receives validation files, corrects errors, and resubmits (as needed).
7. The deadline for validated submissions is 45 days after the end of each calendar quarter. ERCOT will send a final late notice to non-responders 46 days after the close of each calendar quarter.

Appendix A: Data Submission, File Naming and Formatting Details

1. **REP DATA SUBMISSION OVERVIEW**

**A. REP Participant File Submission to ERCOT**

A Retail Electric Provider (REP) that is offering one or more responsive device programs to its Residential customers under the provisions of PUCT Substantive Rule § 25.186 shall compile a Comma Separated Value (.csv) file containing the ESI IDs of all participants during all or any part of each calendar quarter. The files must follow the format described in the ‘Data Exchange Instructions’ section which follows. The REP shall submit the files to ERCOT via the ERCOT designated secure file sharing application as described in the ‘Data Exchange Instructions’ section below. The due date for each REP to have made a submission fully validated by ERCOT shall be 45 days after the end of each calendar quarter.

**B.** **REP Event File Submission to ERCOT**

REPs shall compile and submit a Comma Separated Value (.csv) file containing all the ESI ID-level deployment event data for those programs for the calendar quarter. If an ESI ID was deployed and recalled more than once during a day, a separate row must be included for each deployment. The file must follow the format described in the ‘Data Exchange Instructions’ section which follows. The REP shall submit the files to ERCOT via the ERCOT designated secure file sharing application as described in the ‘Data Exchange Instructions’ section below. The due date for each REP to have made a submission fully validated by ERCOT shall be no later than 45 days after the end of each calendar quarter. If a REP has not deployed a program during a calendar quarter, the REP must send an email to ERCOT ([drsurvey@ercot.com](mailto:drsurvey@ercot.com)) stating this no later than 45 days after the end of the calendar quarter.

**C. ERCOT REP Participant and REP Event File Validations and Response Files to REP**

ERCOT will validate the REP participant and event .csv files and send response files back to the REP in three Business Days or less, with the results of the validation as described in the ‘Data Exchange Instructions’ section below. The response files will be sent back to the REP via the same ERCOT designated secure file sharing application.

REPs shall investigate any errors reported by ERCOT, make necessary corrections and resubmit the complete file with corrections to ERCOT. REPs and ERCOT must continue this process until at least 95% of the ESI IDs submitted by the REP have no errors. ERCOT will notify the Authorized Representative for each REP when they have achieved the required level of accuracy.

**D. REP Reporting Considerations**

**i.** If an ESI ID is participating in a program and fails to reduce Load or opts-out of any or all deployments, the ESI ID still must be included in the participant file submitted to ERCOT. If a program has not been deployed for the reporting period, or is deployed for only some of the participants, all ESI IDs that could have been deployed must be included in the participant file.

**ii.** Pursuant to subsection (c)(2)(D) of P.U.C. Subst. R. § 25.186, a REP must not allow a Residential Customer to participate in their responsive device program if the Customer is also participating in an emergency program such as ERCOT’s Emergency Response Service or a Transmission and/or Distribution Service Provider (TDSP) sponsored Standard Offer Load Management program under, P.U.C. Subst. R. § 25.181-183.

**2. DATA EXCHANGE INSTRUCTIONS**

**A. File Exchange Method**

REPs must use the ERCOT-designated secure file sharing method. Entities must notify ERCOT via [DRSURVEY@ercot.com](mailto:DRSURVEY@ercot.com) of email addresses to be included for data exchange prior to each reporting deadline. To establish this sharing capability ERCOT will send a sample file to the email addresses provided by each entity. The recipients will receive an automated email with a link to register to use the application and to have access to download the file. Recipients will then be able to securely send files to ERCOT and receive files from ERCOT.

**B. File Naming Convention**

The file naming convention for all file exchanges under the section are the same except for the ‘Report Name’ field, which is specific to the sender of the file and the purpose of sending the file. Files are required to follow the naming convention shown below:

| DUNs | Report Name | Date/Time | Counter

0000000000000RDPParticipant20251023113001999.csv

|  |  |  |
| --- | --- | --- |
| **Data Element** | **Comments** | **Format** |
| DUNS | Submitter DUNS Number | Numeric (9 or 13) |
| Report Name | Report name corresponding to the purpose of the file | Alphanumeric – length varies |
| Date/Time | File transmission date/time stamp | Datetime format =  ccyymmddhhmmss |
| counter | Counter (optional - may be used by submitter for internal tracking) and included by ERCOT in the names of files sent back to the submitter | Numeric (3) |
| .csv | Value of .csv mandatory in file name |  |

|  |  |
| --- | --- |
| **Report Names** | **Description** |
| RDPData\_ESIID | Residential ESI ID list - ERCOT-to-REP |
|  |  |
| RDPParticipant | Participant file – REP-to-ERCOT |
| RDPParticipantERCOTResponse | First-level validation file – ERCOT-to-REP |
| RDPParticipantERCOTValidation | Second-level validation file – ERCOT-to-REP |
|  |  |
| RDPEvent | Event file – REP-to-ERCOT |
| RDPEventERCOTResponse | First-level validation file – ERCOT-to-REP |
| RDPEventERCOTValidation | Second-level validation file – ERCOT-to-REP |

**C.** **Files Sent from REPs to ERCOT**

1. **RDP** **Participant File**: REPs should use files with this report name to send information to ERCOT regarding ESI ID participation in its responsive device programs. REPs should follow the file format and content specifications shown in the table below. Note: data elements should be separated with pipes (‘|’) as the delimiter.

**ERCOT Designated Secure File Share RDPParticipant File Specifications**

|  |  |  |
| --- | --- | --- |
| **Data Element** | **Comments** | **Format** |
| ESI ID Number | The ESI ID is the basic identifier assigned to each Service Delivery Point (SDP). | Alpha numeric (36) |
| Start Date | Enter the later of the first date of the calendar quarter or the date the ESI ID started participation in the Responsive Device program. | Numeric (8) yyyymmdd |
| Stop Date | Enter the earlier of the last date of the calendar quarter or the date the ESI ID stopped participation in the Responsive Device program. | Numeric (8) yyyymmdd |

**Example ERCOT Designated Secure File Share RDPParticipant file**

1001001001001|20250101|20250331

1001001001023|20250101|20250331

1001001001045|20250101|20250228

1001001001045|20250315|20250331

1. **RDP Event File**: REPs should use files with this report name to send information to ERCOT regarding ESI ID-level deployments in its responsive device programs. Note that separate rows must be submitted for each time a device is deployed for an ESI ID during a single day. REPs are required to follow the file format and content specifications shown in the table below. Note: data elements should be separated with pipes (‘|’) as the delimiter.

**ERCOT Designated Secure File Share RDPEvent File Specifications**

|  |  |  |
| --- | --- | --- |
| **Data Element** | **Comments** | **Format** |
| ESI ID | The ESI ID is the basic identifier assigned to each Service Delivery Point (SDP). | Alpha numeric (36) |
| Event Date | The date the ESI ID was deployed for the Responsive Device program. | Numeric (8) yyyymmdd |
| Start Time | The time the load reduction event started for the ESI ID | Military Time format = hh:mm |
| Stop Time | The time the load reduction event ended for the ESI ID | Military Time format = hh:mm |
| Device Type Code | Code for the type of device deployed | Alpha numeric (3) |
| Pre-deploy | Y or N – yes/no, was pre-cooling/pre-heating initiated prior to the event | Alpha numeric (1) |
| Opt-Out | Y or N – did the participant opt-out at any time during the event | Alpha numeric (1) |

**Example ERCOT Designated Secure File Share RDPEvent file**

1001001001045|20250101|07:23|08:47|TST|N|N

1001001001045|20250101|07:23|08:47|WH|N|N

**D. Files Sent from ERCOT to REPs**

1. **RDPData\_ESIID\_List File**

To facilitate the error correction process described below, ERCOT shall send a ‘RDPData\_ESIID\_List’ file to each REP that has notified ERCOT they have a reportable Responsive Device Program within ten days of such notification. The file will be sent using the ERCOT designated secure file sharing application, will be a .csv file and will be pipe ‘|’ delimited. The data in this file will be extracted from ERCOT systems, will list all residential ESI IDs owned by the REP for one or more days during the reporting quarter, and will list the start and end days of each of those periods of ownership. The file will exclude ESI IDs and/or days on which ERCOT’s records indicate the ESI ID in question had Non-IDR metering. Due to file size limitations applicable to the ERCOT designated secure file sharing application ERCOT will partition files accordingly. ERCOT will also honor size restrictions for REPs; REPs with file size restrictions must inform ERCOT as to that maximum file size.

|  |  |  |
| --- | --- | --- |
| **Data Element** | **Comments** | **Format** |
| ESI ID Number | The ESI ID is the basic identifier assigned to each Service Delivery Point (SDP). | Alpha numeric (36) |
| Start Date | Enter the later of the first date of the calendar quarter or the date the REPs ownership of the ESI ID began. | Numeric (8) yyyymmdd |
| Stop Date | Enter the earlier of the last date of the calendar quarter or the date the REPs ownership of the ESI ID ended. | Numeric (8) yyyymmdd |

**Example RDPData\_ESIID\_List file**

ESIID|REP\_START| REP\_STOP

1001001001001|20250101|20250331

1001001001023|20250101|20250331

1001001001045|20250101|20250228

1001001001045|20250315|20250331

1. **RDPParticipantERCOTResponse<counter> File:**

This file is the initial response from ERCOT back to a REP upon receipt of a ‘RDPParticipant’ file from that REP. The file contains information as to the status of the data submitted including any file format or mandatory data element errors. If the submitted file name has a counter appended by the REP, the response file will use the same counter. The file formats and field descriptions are as described below.

a. **Header Record** – One must be present and must be the first record in the file.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “HDR” | Alpha numeric  (3) |
| Report Name | Mandatory | Hard Code “RDPParticipantERCOTResponse” | Alpha numeric (27) |
| Original Report ID | Optional | Report ID as sent in the  RDPParticipant file. | Alpha numeric |
| REP DUNS Number | Mandatory | REP of record DUNS Number receiving this response report information based on the original file submission. | Numeric  (9 or 13) |

b. **ER1 Record** – Used to designate a record with an invalid value or format, with a reference to the record number in the submitted file that contained the error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “ER1” | Alpha numeric (3) |
| Record Number | Mandatory | The unique sequential record number starting with “1” | Numeric (8) |
| ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) |
| Original Record Type | Mandatory | The type of record in error. Valid values are DET, HDR, and SUM. | Alpha numeric (3) |
| Original Record Number | Conditional | Original DET Record Number sent from RDPParticipant file that is in error. Required if Original Record Type is DET. | Numeric (8) |
| Field Name | Mandatory | Field name in record that is in error. | Alpha numeric (80) |
| Error Description | Mandatory | Description of error. | Alpha numeric (80) |

c. **ER2 Record** – Used to designate a record with a missing mandatory field, with a reference to the record number in the submitted file that contained the error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “ER2” | Alpha numeric (3) |
| Record Number | Mandatory | The unique sequential record number starting with “1” | Numeric (8) |
| ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) |
| Original Record Type | Mandatory | The type of record in error. Valid values are DET, HDR, and SUM. | Alpha numeric (3) |
| Original Record Number | Conditional | Original DET Record Number sent from RDPParticipant file that is in error.  Required if Original Record Type is DET. | Numeric (8) |
| Field Name | Mandatory | Field name of record that is in error. | Alpha numeric (80) |
| Error Description | Mandatory | Description of error. | Alpha numeric (80) |

d. **Sum Record** – Provides the sum of all records received in the original file, the number of records processed, and the number of DET records in error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard code “SUM” | Alpha numeric (3) |
| Total Number of DET Records | Mandatory | Total number of DET records in the original RDPParticipant file. | Numeric (8) |
| Total Number of processed DET Records | Mandatory | Total number of DET records processed without error from the RDPParticipant file. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

e. **Example RDPParticipaionERCOTResponse File:**

HDR|RDPParticipantERCOTResponse|200608300001|123456789

ER2|1|1001001001001|DET|1|StartDate|InvalidValue

SUM|5|4|1|

1. **RDPParticipantERCOTValidation<counter> File:**

This file is an additional response from ERCOT back to a REP upon receipt of a ‘RDPParticipant file for which the RDPParticipantERCOTResponse file reported no errors. The file contains information as to the status of any business validation errors. If the submitted file name had a counter appended by the REP, the validation file will use the same counter. The file formats and field descriptions are as described below.

a. **Header Record** – One must be present and must be the first record in the file.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “HDR” | Alpha numeric (3) |
| Report Name | Mandatory | Hard Code “RDPParticipantERCOTValidation” | Alpha numeric (29) |
| Original Report ID | Optional | Report ID as sent in the  RDPParticipant file. | Alpha numeric |
| REP DUNS Number | Mandatory | REP of record DUNS Number receiving this response report information based on the original file submission. | Numeric (9 or 13) |

b. **ER3 Record** – Used to designate a record that failed data validation with a reference to the original record in error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “ER3” | Alpha numeric (3) |
| Record Number | Mandatory | The unique sequential record number starting with “1” | Numeric (8) |
| ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) |
| Original Record Type | Mandatory | The type of record in error. Valid values are DET, HDR, and SUM. | Alpha numeric (3) |
| Original Record Number | Conditional | Original DET Record Number sent from RDPParticipant file that is in error.  Required if Original Record Type is DET. | Numeric (8) |
| Field Name | Mandatory | Field name of record that is in error. | Alpha numeric (80) |
| Error Description | Mandatory | Description of error. | Alpha numeric (80) |

c. **Sum Record** – Used to provide the sum of all records received in the original file, the number of records processed, and the number of DET records in error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard code “SUM” | Alpha numeric (3) |
| Total Number of DET Records | Mandatory | Total number of DET records in the original RDPParticipant file. | Numeric (8) |
| Total Number of processed DET Records | Mandatory | Total number of DET records processed without error from the RDPParticipant file. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

d. **Error Descriptions (ERCOT to REP -- the ER3 Record) and Common Fixes**

|  |  |  |
| --- | --- | --- |
| **Error Description** | **Long Description** | **Common Fixes** |
| Invalid-ESI ID | ESI ID is not in ERCOT settlement system or has an Inactive or De-energized Status | Check that all significant digits of ESI ID were entered and none inadvertently set to zero with copying/pasting processes.  Check that ESI ID is a valid ESI ID and is currently active. |
| Not-ROR | Reporting REP is not the REP of record on one or more dates in the date range provided | Check if the submitting REP was the REP of record for ESI ID from the participation start date to the stop date inclusive.  If not the REP of record, remove row. |
| Invalid-Dates | No days in the date range provided are in the reporting calendar quarter. | Check start and stop dates of program participation.  Correct the start and/or stop dates of the program for the ESI ID. |
| Start-Date-After-Stop-Date | Start date for ESI ID is after the Stop date provided | Check start and stop dates of program participation.  Correct the start and/or stop dates of the program for the ESI ID. |
| Date-Overlap | Two or more rows for the same ESI ID with overlapping periods of participation. | Check start and stop dates of program participation.  Correct the start and/or stop dates of the program for the ESI ID. |
| Invalid-LP | Profile Type for ESI ID is not ‘RES’ during some or all days of participation | Check ESI ID Profile Type, must be ‘RES’ for all days from the Start Date to the Stop Date. |
| Duplicate-Row | Row is identical to a previous record except for sequence number | Remove duplicate row. |
|  |  |  |

**Example 1 – REP Participation file to ERCOT with no errors**

ERCOT Response File - From ERCOT to REP

HDR|RDPParticipationERCOTResponse|200608300001||123456789

SUM|4|0|

ERCOT Validation File - From ERCOT to REP

HDR|RDPParticipationERCOTValidation|200608300001||123456789

SUM|4|0|

**Example 2 – REP file to ERCOT with format error and a duplicate row**

File 1 - From REP to ERCOT

HDR|RDPParticipation|200608300001||123456789

DET|1|123456789|1001001001001|2025-01-01|20250331

DET|2|123456789|1001001001023|20250101|20250331

DET|3|123456789|1001001001045|20250101|20250228

DET|4|123456789|1001001001045|20250101|20250228

SUM|4|

File 2 - From ERCOT to REP

HDR|RDPParticipationERCOTResponse|200608300001||123456789

ER2|1|1001001001001|DET|1|StartDate|InvalidValue

SUM|5|4|1|

File 3 - From ERCOT to REP

HDR|RDPParticipationERCOTValidation|200608300001||123456789

ER3|1|1001001001001|DET|4||Duplicate-Row

SUM|4|3|1|

1. **RDPEventERCOTResponse<counter> File:**

This file is the initial response from ERCOT back to a REP upon receipt of a ‘RDPevent’ file from that REP. The file contains information as to the status of the data submitted including any file format or mandatory data element errors. If the submitted file name has a counter appended by the REP, the response file will use the same counter. The file formats and field descriptions are as described below.

a. **Header Record** – One must be present and must be the first record in the file.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “HDR” | Alpha numeric  (3) |
| Report Name | Mandatory | Hard Code “RDPEventERCOTResponse” | Alpha numeric (27) |
| Original Report ID | Mandatory | Report ID as sent in the  RDPEvent file. | Alpha numeric |
| REP DUNS Number | Mandatory | REP of record DUNS Number receiving this response report information based on the original file submission. | Numeric  (9 or 13) |

b. **ER1 Record** – Used to designate a record with an invalid value or format, with a reference to the record number in the submitted file that contained the error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “ER1” | Alpha numeric (3) |
| Record Number | Mandatory | The unique sequential record number starting with “1” | Numeric (8) |
| ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) |
| Original Record Type | Mandatory | The type of record in error. Valid values are DET, HDR, and SUM. | Alpha numeric (3) |
| Original Record Number | Conditional | Original DET Record Number sent from RDPEvent file that is in error. Required if Original Record Type is DET. | Numeric (8) |
| Field Name | Mandatory | Field name in record that is in error. | Alpha numeric (80) |
| Error Description | Mandatory | Description of error. | Alpha numeric (80) |

c. **ER2 Record** – Used to designate a record with a missing mandatory field, with a reference to the record number in the submitted file that contained the error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “ER2” | Alpha numeric (3) |
| Record Number | Mandatory | The unique sequential record number starting with “1” | Numeric (8) |
| ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) |
| Original Record Type | Mandatory | The type of record in error. Valid values are DET, HDR, and SUM. | Alpha numeric (3) |
| Original Record Number | Conditional | Original DET Record Number sent from RDPEvent file that is in error.  Required if Original Record Type is DET. | Numeric (8) |
| Field Name | Mandatory | Field name of record that is in error. | Alpha numeric (80) |
| Error Description | Mandatory | Description of error. | Alpha numeric (80) |

d. **Sum Record** – Provides the sum of all records received in the original file, the number of records processed, and the number of DET records in error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard code “SUM” | Alpha numeric (3) |
| Total Number of DET Records | Mandatory | Total number of DET records in the original RDPEvent file. | Numeric (8) |
| Total Number of processed DET Records | Mandatory | Total number of DET records processed without error from the RDPEvent file. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

**Example RDPEventERCOTResponse File:**

HDR|RDPEventERCOTResponse|2006-08-300001||123456789

ER2|1|1001001001001|DET|1|StartDate|InvalidValue

SUM|5|4|1|

1. **RDPEventERCOTValidation<counter> File:**

This file is an additional response from ERCOT back to a REP upon receipt of a ‘RDPEvent file for which the RDPEventERCOTResponse file reported no errors. The file contains information as to the status of any business validation errors. If the submitted file name had a counter appended by the REP, the validation file will use the same counter. The file formats and field descriptions are as described below.

a. **Header Record** – One must be present and must be the first record in the file.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “HDR” | Alpha numeric (3) |
| Report Name | Mandatory | Hard Code “RDPEventERCOTValidation” | Alpha numeric (23) |
| Original Report ID | Optional | Report ID as sent in the  RDPEvent file. | Alpha numeric |
| REP DUNS Number | Mandatory | REP of record DUNS Number receiving this response report information based on the original file submission. | Numeric (9 or 13) |

b. **ER3 Record** – Used to designate a record that failed data validation with a reference to the original record in error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard Code “ER3” | Alpha numeric (3) |
| Record Number | Mandatory | The unique sequential record number starting with “1” | Numeric (8) |
| ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) |
| Original Record Type | Mandatory | The type of record in error. Valid values are DET, HDR, and SUM. | Alpha numeric (3) |
| Original Record Number | Conditional | Original DET Record Number sent from RDPEvent file that is in error.  Required if Original Record Type is DET. | Numeric (8) |
| Field Name | Mandatory | Field name of record that is in error. | Alpha numeric (80) |
| Error Description | Mandatory | Description of error. | Alpha numeric (80) |

c. **Sum Record** – Used to provide the sum of all records received in the original file, the number of records processed, and the number of DET records in error.

| **Data Element** | **Mandatory / Optional** | **Comments** | **Format** |
| --- | --- | --- | --- |
| Record Type | Mandatory | Hard code “SUM” | Alpha numeric (3) |
| Total Number of DET Records | Mandatory | Total number of DET records in the original RDPEvent file. | Numeric (8) |
| Total Number of processed DET Records | Mandatory | Total number of DET records processed without error from the RDPEvent file. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

d. **Error Descriptions (ERCOT to REP -- the ER3 Record) and Common Fixes**

|  |  |  |
| --- | --- | --- |
| **Error Description** | **Long Description** | **Common Fixes** |
| Invalid-Event-date | Event date is not in the correct calendar quarter | Correct the event date, or, if the event date is in a different quarter, delete the row. |
| Invalid-ESI ID | ESI ID is not found in RDPParticipant file | Check that all significant digits of ESI ID were entered and none inadvertently set to zero with copying/pasting processes.  Check whether the ESI ID is not allowed to participate in a REP smart appliances or devices program.  Check whether the ESI ID has been omitted from the RDPParticipant file. |
| Pre-Deploy-Invalid | Pre-deploy ‘Y’ for device type other than ‘TST’ | Pre-cooling and pre-heating are only applicable to Smart thermostats. Other device types should have pre-event set to ‘N’ |
| Start-Time-After-Stop-Time | Event start time later then stop time provided | Check start and stop times of the event.  Correct the start and/or stop times of the event for the ESI ID. |
| Time-Overlap | Two or more rows for the same ESI ID with overlapping event periods | Check start and stop times of program participation.  Correct the start and/or stop times of the event for the ESI ID. |
| Duplicate-Row | Row is identical to a previous record | Remove duplicate row. |

**Example 1 – REP Event file to ERCOT with no errors**

ERCOT Response File - From ERCOT to REP

HDR|RDPEventERCOTResponse|200608300001||123456789

SUM|4|0|

ERCOT Validation File - From ERCOT to REP

HDR|RDPeventERCOTValidation|200608300001||123456789

SUM|4|0|

**Example 2 – REP Event file to ERCOT with format error and a duplicate row**

File 1 - From REP to ERCOT

HDR|RDPEvent|200608300001||123456789

DET|1|123456789|1001001001001|2025-01-01|20250331

DET|2|123456789|1001001001023|20250301|07:23|08:47|WH|N|N

DET|3|123456789|1001001001045|20250101|07:23|08:47|TST|N|N

DET|4|123456789|1001001001045|20250101|07:23|08:47|TST|N|N

SUM|4|

File 2 - From ERCOT to REP

HDR|RDPEventERCOTResponse|200608300001||123456789

ER2|1|1001001001001|DET|1|StartDate|InvalidValue

SUM|5|4|1|

File 3 - From ERCOT to REP

HDR|RDPEventERCOTValidation|200608300001||123456789

ER3|1|1001001001001|DET|4||Duplicate-Row|

SUM|4|3|1|