**ERCOT Nodal Protocols**

**Section 22**

**Attachment T: Retail Electric Provider and Transmission and/or Distribution Service Providers Smart Device Demand Response Reporting Requirements**

**December 1, 2025**

**1. INTRODUCTION**  
  
Paragraph (1) of Section 3.10.7.2.3, Quarterly Residential Demand Response Data Submission, requires Retail Electric Providers (REPs) offering a responsive device program to its Residential Customers and Transmission and/or Distribution Service Providers (TDSPs) operating Load management programs involving Residential Customers, to submit certain information on a quarterly basis to ERCOT. This attachment provides specific definitions and technical requirements necessary for REPs, TDSPs and ERCOT to meet the required data submission.

**2. REP SPECIFIC INSTRUCTIONS**

(a) **REP Participant Submission to ERCOT**

A REP that is offering one or more responsive device programs to its Residential Customers under the provisions of P.U.C. SUBST. R. 25.186, Goal for Average Total Residential Load Reduction, shall compile a Comma Separated Value (CSV) file containing the Electric Service Identifiers (ESI IDs) of all participants during all or any part of each calendar quarter of a reporting year. The file must follow one of the formats described in the ‘Data Exchange Instructions’ section which follows. The REP shall submit the files to ERCOT using 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.

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| ***[NPRR1291: Replace paragraph (a) above with the following upon system implementation:]***  (a) **REP Participant Submission to ERCOT**  A REP that is offering one or more responsive device programs to its Residential Customers under the provisions of P.U.C. Subst. R. 25.186, Goal for Average Total Residential Load Reduction, shall compile a Comma Separated Value (CSV) file containing the Electric Service Identifiers (ESI IDs) of all participants during all or any part of each calendar quarter of a reporting year. The file must follow one of the formats described in the ‘Data Exchange Instructions’ section which follows. The REP shall submit the files to ERCOT via North American Energy Standards Board (NAESB) Electronic Delivery Mechanism (EDM) or using 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**

In conjunction with the ‘REP Participant Submission to ERCOT’ section above, REPs shall compile and submit a 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 one of the formats described in the ‘Data Exchange Instructions’ section which follows. The REP shall submit the files to ERCOT using 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.

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| ***[NPRR1291: Replace paragraph (b) above with the following upon system implementation:]***  (b) **REP Event File Submission to ERCOT**  In conjunction with the ‘REP Participant Submission to ERCOT’ section above, REPs shall compile and submit a 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 one of the formats described in the ‘Data Exchange Instructions’ section which follows. The REP shall submit the files to ERCOT via NAESB EDM or using 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) 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 using the 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.

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| ***[NPRR1291: Replace paragraph (c) above with the following upon system implementation:]***  (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. For REPs that submit files via NAESB, the response files will be sent via NAESB. For REPs that submit files using the ERCOT-designated secure file sharing application, the response files will be sent back to the REP with that same 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 (ERS) or a TDSP-sponsored standard offer Load management program under P.U.C. SUBST. R. 25.181, Energy Efficiency Goal, P.U.C. Subst. R. 25.182, Energy Efficiency Cost Recovery Factor, and P.U.C. Subst. R. 25.183, Reporting and Evaluation of Energy Efficiency Programs.

**3. TDSP SPECIFIC INSTRUCTIONS**

(a) **TDSP Participant Submission to ERCOT**

A TDSP operating in the competitive region of ERCOT that has Residential Customers participating in a standard offer Load management program authorized by the Public Utility Commission of Texas (PUCT) under, P.U.C. SUBST. R. 25.181-183, shall compile a CSV file containing the ESI IDs of all participants during all or any part of each quarter of a reporting year. The file must follow one of the formats described in the ‘Data Exchange Instructions’ section below. The TDSP shall submit the files to ERCOT using the ERCOT-designated secure file sharing application as described in the ‘Data Exchange Instructions’ section below.

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| ***[NPRR1291: Replace paragraph (a) above with the following upon system implementation:]***  (a) **TDSP Participant Submission to ERCOT**  A TDSP operating in the competitive region of ERCOT that has Residential Customers participating in a standard offer Load management program authorized by the Public Utility Commission of Texas (PUCT) under, P.U.C. SUBST. R. 25.181-183, shall compile a CSV file containing the ESI IDs of all participants during all or any part of each quarter of a reporting year. The file must follow one of the formats described in the ‘Data Exchange Instructions’ section below. The TDSP shall submit the files to ERCOT via NAESB EDM or using the ERCOT-designated secure file sharing application as described in the ‘Data Exchange Instructions’ section below. |

(b) **ERCOT File Validation and Response Files to TDSP**

ERCOT will validate the TDSP participant CSV files and send response and validation files back to the TDSP in three Business Days or less, with the results of the validation as described in the ‘Data Exchange Instructions’ section which follows. The response and validation files will be sent back to the TDSP using the ERCOT-designated secure file sharing application.

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

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| ***[NPRR1291: Replace paragraph (b) above with the following upon system implementation:]***  (b) **ERCOT File Validation and Response Files to TDSP**  ERCOT will validate the TDSP participant CSV files and send response and validation files back to the TDSP in three Business Days or less, with the results of the validation as described in the ‘Data Exchange Instructions’ section which follows. For TDSPs that submit files via NAESB, the response and validation files will be sent via NAESB. For TDSPs that submit files using the ERCOT-designated secure file sharing application, the response and validation files will be sent back to the TDSP with that application.  TDSPs shall investigate any errors reported by ERCOT, make necessary corrections and resubmit the complete file with corrections to ERCOT. The required level of accuracy is for 95% of the reporting ESI IDs submitted by the TDSP to have no errors. TDSPs and ERCOT must continue this process until at least 95% of the ESI IDs submitted by the TDSP have no errors. ERCOT will notify the Authorized Representative for each TDSP when they have achieved the required level of accuracy. |

**4. DATA EXCHANGE INSTRUCTIONS**

(a) **File Exchange Methods**

ERCOT Market Participants must use the ERCOT-designated secure file sharing application to exchange files. Entities must notify ERCOT prior to each reporting deadline. To establish this sharing capability ERCOT will send a sample file to the email addresses of the contact names provided by each entity. The recipient 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 and receive files from ERCOT.

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| ***[NPRR1291: Replace paragraph (a) above with the following upon system implementation:]***  (a) **File Exchange Methods**  ERCOT Market Participants must use one of the following methods to exchange files:  (i) NAESB: This method is in use currently by ERCOT Market Participants and continues to be available to them. This method provides for secure file exchange both inbound to and outbound from ERCOT. For REPs and TDSPs that opt to use this method, the NAESB file exchange will be used in both directions. The file naming conventions and file formats are described below; or  (ii) ERCOT-designated secure file share: This method may be used by REPs and TDSPs for purposes of submitting data to ERCOT under this section. Entities that elect to submit data using this method must notify ERCOT prior to each reporting deadline. To establish this sharing capability ERCOT will send a sample file to the email addresses of the contact names provided by each entity. The recipient 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 and receive files from ERCOT. |

(b) **File Naming Convention**

(i) 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.

**File Naming Convention**: secure file share files are required to follow the naming convention shown below:

| DUNS | ReportName | DateTime | Counter

0000000000000RDPParticipant20251023113001999.csv

|  |  |  |
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| **Data Element** | **Comments** | **Format** |
| DUNS | Submitter Data Universal Numbering System (DUNS) Number (DUNS #). | Numeric (9 or 13) |
| ReportName | Report name corresponding to the purpose of the file. | Alphanumeric – length varies |
| DateTime | 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. |  |

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| ***[NPRR1291: Replace paragraph (i) above with the following upon system implementation:]***  (i) 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.  **File Naming Convention**: files (both NAESB and secure file share) are   required to follow the naming convention shown below:  | DUNS | ReportName | DateTime | Counter  0000000000000RDPParticipant20251023113001999.csv   |  |  |  | | --- | --- | --- | | **Data Element** | **Comments** | **Format** | | DUNS | Submitter Data Universal Numbering System (DUNS) Number (DUNS #). | Numeric (9 or 13) | | ReportName | Report name corresponding to the purpose of the file. | Alphanumeric – length varies | | DateTime | 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. |  | |

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| **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 |
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| TDLMParticipant | TDSP Participant file – TDSP-to-ERCOT |
| TDLMParticipantERCOTResponse | First-level validation file – ERCOT-to-TDSP |
| TDLMParticipantERCOTValidation | Second-level validation file – ERCOT-to-TDSP |

(c) **REP Files Sent to ERCOT**

(i) **RDP** **Participant Files**: REPs should use files with report name   
 ‘RDPParticipant’ to send information to ERCOT regarding ESI ID   
 participation in its responsive device programs.

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| ***[NPRR1291: Replace paragraph (i) above with the following upon system implementation:]***  (i) **RDP Participant Files**: REPs should use files with report name   ‘RDPParticipant’ to send information to ERCOT regarding ESI ID   participation in its responsive device programs. The format of the file is   determined by whether the REP sends the file via NAESB or via the   ERCOT-designated secure file sharing application. |

(A) **ERCOT-Designated Secure File Share**: 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 RDPParticipant File Specifications**

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| **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 reporting 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 reporting calendar quarter or the date the ESI ID stopped participation in the responsive device program. | Numeric (8) yyyymmdd |

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| ***[NPRR1291: Replace paragraph (A) above with the following upon system implementation:]***  (A) **ERCOT-Designated Secure File Share**: REPs that choose to send files to ERCOT via the ERCOT-designated secure file sharing application 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 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 reporting 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 reporting calendar quarter or the date the ESI ID stopped participation in the responsive device program. | Numeric (8) yyyymmdd | |

(B) **Example ERCOT-Designated Secure File Share RDPParticipant file**

1001001001001|20250101|20250331

1001001001023|20250101|20250331

1001001001045|20250101|20250228

1001001001045|20250315|20250331

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ***[NPRR1291: Insert paragraphs (C) and (D) below upon system implementation:]***  (C) **NAESB**: REPs that choose to send files to ERCOT via NAESB are required to follow the file format and content specifications as shown in the tables below. Note: data elements should be separated with pipes (‘|’) as the delimiter. Three record types are applicable to RDPParticpation files sent via NAESB: header record; detail record; and summary record.  At a minimum the filename must contain .csv after decryption otherwise the file will be rejected by ERCOT. Files must be sent with a NAESB input-format of “FF”. Any file extension other than .csv, such as .xml or .x12 will fail at ERCOT.  (1) **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 “RDPParticipant”. | Alpha numeric (14) | | Report ID | Optional | A unique report number designated by the sender to be used in the RDPParticipantERCOTResponse and RDPParticipantERCOTValidation files. | Alpha numeric | | REP DUNS Number | Mandatory | REP of record DUNS #. Associated with the ESI IDs sent in the file. | Numeric  (9 or 13) |   (2) **Detail Record** - The DET record contains the ESI ID-level participant date information. Note: if an ESI ID has discontinuous participation during the calendar quarter, multiple rows should be entered to reflect all periods of participation.   | **Data Element** | **Mandatory / Optional** | **Comments** | **Format** | | --- | --- | --- | --- | | Record Type | Mandatory | Hard Code “DET”. | Alpha numeric (3) | | Record Number | Mandatory | A unique sequential record number starting with “1”. | Numeric (8) | | REP DUNS Number | Mandatory | REP of record DUNS # associated with the ESI IDs sent in the file. | Numeric  (9 or 13) | | ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) | | Start Date | Mandatory | Enter the later of the first date of the reporting calendar quarter or the date the ESI ID started participation in the responsive device program. | Numeric (8) yyyymmdd | | Stop Date | Mandatory | Enter the earlier of the last date of the reporting calendar quarter or the date the ESI ID stopped participation in the responsive device program. | Numeric (8) yyyymmdd |   (3) **Summary Record** – This record shows the number of DET records in the file.   | **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, should be equal to the Record Counter in the last DET record. Use zero if no records sent. | Numeric (8) |   (D) **Example NAESB RDPParticipant file**  HDR|RDPParticipant|200608300001||123456789  DET|1|123456789|1001001001001|20250101|20250331  DET|2|123456789|1001001001023|20250101|20250331  DET|3|123456789|1001001001045|20250101|20250228  DET|4|123456789|1001001001045|20250315|20250331  SUM|4| |

(ii) **REP Event Files**: REPs should use files with report name ‘REPEvent’ 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.

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| ***[NPRR1291: Replace paragraph (ii) above with the following upon system implementation:]***  (ii) **REP Event Files**: REPs should use files with report name ‘REPEvent’ to send information to ERCOT regarding ESI ID-level deployments in its responsive device programs. The format of the file is determined by whether the REP sends the file via NAESB or via the ERCOT-designated secure file sharing application. Note that separate rows must be submitted for each time a device is deployed for an ESI ID during a single day. |

(A) **ERCOT-Designated Secure File Share**: 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**

|  |  |  |
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| **Data Element** | **Comments** | **Format** |
| ESI ID | The ESI ID is the basic identifier assigned to each 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) |

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| ***[NPRR1291: Replace paragraph (A) above with the following upon system implementation:]***  (A) **ERCOT-Designated Secure File Share**: REPs that choose to send files to ERCOT via the ERCOT-designated secure file sharing application 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 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) | |

(B) **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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ***[NPRR1291: Insert paragraphs (C) and (D) below upon system implementation:]***  (C) **NAESB**: REPs that choose to send files to ERCOT via NAESB are required to follow the file format and content specifications as shown in the tables below. Note: data elements should be separated with pipes (‘|’) as the delimiter. Three record types are applicable to RDPEvent files sent via NAESB: header record; detail record; and summary record.  At a minimum the filename must contain .csv after decryption otherwise the file will be rejected by ERCOT. Files must be sent with a NAESB input-format of “FF”. Any file extension other than .csv, such as .xml or .x12 will fail at ERCOT.  (1) **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 “RDPEvent”. | Alpha numeric (8) | | Report ID | Optional | The unique report number designated by the sender to be used in the RDPEventERCOTResponse and RDPEventERCOTValidation files. | Alpha numeric | | REP DUNS Number | Mandatory | REP of record DUNS #. Associated with the ESI IDs sent in the file. | Numeric  (9 or 13) |   (2) **Detail Record** - The DET record contains the ESI ID-level participation date information.   | **Data Element** | **Mandatory / Optional** | **Comments** | **Format** | | --- | --- | --- | --- | | Record Type | Mandatory | Hard Code “DET”. | Alpha numeric (3) | | Record Number | Mandatory | The unique sequential record number starting with “1”. | Numeric (8) | | REP DUNS Number | Mandatory | REP of record DUNS # associated with the ESI IDs sent in the file. | Numeric  (9 or 13) | | ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) | | Event Date | Mandatory | The date the ESI ID was deployed for the responsive device program. | Numeric (8) yyyymmdd | | Start Time | Mandatory | The time the load reduction event started for the ESI ID. | Military Time format = hh:mm | | Stop Time | Mandatory | The time the load reduction event ended for the ESI ID. | Military Time format = hh:mm | | Device Type Code | Mandatory | Code for the type of device deployed. | Alpha numeric (3) | | Pre-Event | Mandatory | Y or N – did the REP initiate pre-cooling/pre-heating prior to the event. | Alpha numeric (3) | | Opt-Out | Mandatory | Y or N – did the participant opt out at any time during the event. | Alpha numeric (3) |   (3) **Summary Record** – This record shows the number of DET records in the file.   | **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, should be equal to the Record Counter in the last DET record. Use zero if no records sent. | Numeric (8) |   (D) **Example NAESB RDPEvent file**  HDR|RDPEvent|200608300001||123456789  DET|1|123456789|1001001001001|20250115|07:23|08:47|TST|N|N  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|WH|N|N  SUM|4| |

**Device Type Code Descriptions**

|  |  |
| --- | --- |
| **Device Type Code** | **Description** |
| BAT | Battery |
| EV | Electric Vehicle Charging |
| PP | Pool Pump |
| TST | Thermostat |
| WH | Electric Domestic Water Heater |
| OTH | Other Device Type |

(d) **TDSP Participant Files Sent to ERCOT**

(i) **TDLM Participant Files**: TDSPs in the competitive region of ERCOT should use files with report name ‘TDLMParticipant’ to send information to ERCOT regarding ESI ID participation in its PUCT-authorized Load management programs.

|  |
| --- |
| ***[NPRR1291: Replace paragraph (i) above with the following upon system implementation:]***   1. **TDLM Participant Files**: TDSPs in the competitive region of ERCOT should use files with report name ‘TDLMParticipant’ to send information to ERCOT regarding ESI ID participation in its PUCT-authorized Load management programs. The format of the file is determined by whether the TDSP sends the file via NAESB or via the ERCOT-designated secure file sharing application. |

(A) **ERCOT-Designated Secure File Share**: TDSPs 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 TDLMParticipant File Specifications**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***[NPRR1291: Replace paragraph (A) above with the following upon system implementation:]***  (A) **ERCOT-Designated Secure File Share**: TDSPs that choose to send files to ERCOT via the ERCOT-designated secure file sharing application 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 TDLMParticipant File Specifications**   |  |  |  | | --- | --- | --- | | **Data Element** | **Comments** | **Format** | | ESI ID Number | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) | | Start Date | Enter the later of the first date of the reporting calendar quarter or the date the ESI ID started participation in the TDSP Load management program. | Numeric (8) yyyymmdd | | Stop Date | Enter the earlier of the last date of the reporting calendar quarter or the date the ESI ID stopped participation in the TDSP Load management program. | Numeric (8) yyyymmdd | |

(B) **Example ERCOT-Designated Secure File Share TLMParticipant file**

1001001001001|20250101|20250331

1001001001023|20250101|20250331

1001001001045|20250101|20250228

1001001001045|20250315|20250331

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***[NPRR1291: Insert paragraphs (C) and (D) below upon system implementation:]***  (C) **NAESB**: TDSPs that choose to send files to ERCOT via NAESB are required to follow the file format and content specifications as shown in the tables below. Note: data elements should be separated with pipes (‘|’) as the delimiter. Three record types are applicable to TDLMParticpation files sent via NAESB: header record; detail record; and summary record.  At a minimum the filename must contain .csv after decryption otherwise the file will be rejected by ERCOT. Files will be sent with a NAESB input-format of “FF”. Any file extension other than .csv, such as .xml or .x12 will fail at ERCOT.  (1) **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 “TDLMParticipant”. | Alpha numeric (17) | | Report ID | Optional | The unique report number designated by the sender to be used in the TDLMParticipantERCOTResponse and TDLMParticipantERCOTValidation files. | Alpha numeric | | TDSP DUNS Number | Mandatory | TDSP DUNS #. Associated with the ESI IDs sent in the file. | Numeric  (9 or 13) |   (2) **Detail Record** - The DET record contains the ESI ID-level participation date information. Note: if an ESI ID has discontinuous participation during the calendar quarter, multiple rows should be entered to reflect all periods of participation.   | **Data Element** | **Mandatory / Optional** | **Comments** | **Format** | | --- | --- | --- | --- | | Record Type | Mandatory | Hard Code “DET”. | Alpha numeric (3) | | Record Number | Mandatory | The unique sequential record number starting with “1”. | Numeric (8) | | REP DUNS Number | Mandatory | REP of record DUNS # associated with the ESI IDs sent in the file. | Numeric  (9 or 13) | | ESI ID Number | Mandatory | The ESI ID is the basic identifier assigned to each SDP. | Alpha numeric (36) | | Start Date | Mandatory | Enter the later of the first date of the reporting calendar quarter or the date the ESI ID started participation in the TDSP Load management program. | Numeric (8) yyyymmdd | | Stop Date | Mandatory | Enter the earlier of the last date of the reporting calendar quarter or the date the ESI ID stopped participation in the TDSP Load management program. | Numeric (8) yyyymmdd |   (3) **Summary Record** – This record shows the number of DET records in the file.   | **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, should be equal to the Record Counter in the last DET record. Use zero if no records sent. | Numeric (8) |   (D) **Example NAESB TDLMParticipant file**  HDR|TDLMParticipant|200608300001|123456789  DET|1|123456789|1001001001001|20250101|20250331  DET|2|123456789|1001001001023|20250101|20250331  DET|3|123456789|1001001001045|20250101|20250228  DET|4|123456789|1001001001045|20250315|20250331 SUM|4| |

(e) **Files Sent from ERCOT to REPs**

(i) 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-Interval Data Recorder (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 SDP. | Alpha numeric (36) |
| Start Date | Enter the later of the first date of the reporting 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 reporting 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

(ii) **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 # 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 in 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 RDPParticipantERCOTResponse File:**

HDR|RDPParticipantERCOTResponse|200608300001|123456789

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

SUM|5|4|1|

(iii) **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 # 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 in 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. | Check that all significant digits of ESI ID were entered and none inadvertently set to zero with copying/pasting processes.  Correct the ESI ID or delete the row. |
| 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. |
| ESI-ID-Not-Active | ESI ID had a status other than ‘A’ (active) on one or more dates in the date range provided. | Check the participation dates submitted for the ESI ID and revise them as necessary, otherwise delete the 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 | Load Profile Type for ESI ID is not ‘RES’ during some or all days of participation. | Check ESI ID Load Profile Type, must be ‘RES’ for all days from the start date to the stop date. |
| Invalid-Meter-Type | Meter Data Type in Load Profile ID is ‘Non-IDR’. | Check ESI ID Meter Data Type, must be ‘IDR’ 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. |

(E) **Example 1 – REP Participant file to ERCOT with no errors**

ERCOT Response File - From ERCOT to REP

HDR|RDPParticipantERCOTResponse|200608300001||123456789

SUM|4|0|

ERCOT Validation File - From ERCOT to REP

HDR|RDPParticipantERCOTValidation|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|RDPParticipant|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|RDPParticipantERCOTResponse|200608300001||123456789

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

SUM|5|4|1|

File 3 - From ERCOT to REP

HDR|RDPParticipantERCOTValidation|200608300001||123456789

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

SUM|4|3|1|

(iv) **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 # 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 in 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) |

(E) **Example RDPEventERCOTResponse File:**

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

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

SUM|5|4|1|

(v) **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 # 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 in 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 reporting calendar quarter. | Correct the event date, or, if the event date is in a different quarter, delete the row. |
| ESI-ID-Not-In-Participant-File | ESI ID is not included in the REP RDPParticipant file. | Check that all significant digits of ESI ID were entered and none inadvertently set to zero with copying/pasting processes.  Add the ESI ID to the RDPParticipant file or delete the row from the event file. |
| ESI-ID-Not-Participating-On-Event-Date | ESI ID is found in the REP RDPParticipant file but is not listed as participating on the event date. | Revise the participation dates for the ESI ID in the RDPParticipant file or delete the ESI ID from the Event file for the event date. |
| 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 except for sequence number. | Remove duplicate row. |

(E) **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|

(f) **Files Sent from ERCOT to TDSPs**

(i) **TDLMParticipantERCOTResponse<counter> File:**

This file is the initial response from ERCOT back to a TDSP upon receipt of a ‘TDLMParticipant’ 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 TDSP, 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 “TDLMParticipantERCOTResponse”. | Alpha numeric (27) |
| Original Report ID | Optional | Report ID as sent in the  TDLMParticipant file. | Alpha numeric |
| REP DUNS Number | Mandatory | TDSP DUNS # 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 TDLMParticipant 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 TDLMParticipant 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) |

(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 TDLMParticipant file. | Numeric (8) |
| Total Number of Processed DET Records | Mandatory | Total number of DET records processed without error from the TDLMParticipant file. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

(E) **Example TDLMParticipantERCOTResponse File:**

HDR|TDLMParticipantERCOTResponse|200608300001||123456789

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

SUM|5|4|1|

(ii) **TDLMParticipantERCOTValidation<counter> File:**

This file is an additional response from ERCOT back to a TDSP upon receipt of a ‘TDLMParticipant’ file for which the TDLMParticipantERCOTResponse 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 “TDLMParticipantERCOTValidation”. | Alpha numeric (30) |
| Original Report ID | Optional | Report ID as sent in the  TDLMParticipant file. | Alpha numeric |
| TDSP DUNS Number | Mandatory | TDSP DUNS # 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 TDLMParticipant 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) **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 TDLMParticipant file. | Numeric (8) |
| Total Number of Processed DET Records | Mandatory | Total number of DET records processed without error from the TDLMParticipant file. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

(D) **Error Descriptions (ERCOT to TDSP -- the ER3 Record) and Common Fixes**

|  |  |  |
| --- | --- | --- |
| **Error Description** | **Long Description** | **Common Fixes** |
| Invalid-ESI-ID | ESI ID is not in ERCOT settlement system. | Check that all significant digits of ESI ID were entered and none inadvertently set to zero with copying/pasting processes.  Correct the ESI ID or delete the row. |
| ESI-ID-Not-Active | ESI ID had a status other than ‘A’ (active) on one or more dates in the date range provided. | Check the participation dates submitted for the ESI ID and revise them as necessary, otherwise delete the 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 | Load Profile Type for ESI ID is not ‘RES’ during some or all days of participation. | Check ESI ID Load Profile Type, must be ‘RES’ for all days from the start date to the stop date. |
| Invalid-Meter-Type | Meter Data Type in Load Profile ID is ‘Non-IDR’. | Check ESI ID Meter Data Type, must be ‘IDR’ for all days from the start date to the stop date. |
| Duplicate-Row | Input record is identical to a previous record except for sequence number. | Remove duplicate row. |

(E) **Example 1 – TDSP Participant file to ERCOT with no errors**

ERCOT Response File - From ERCOT to TDSP

HDR|TDLMParticipantERCOTResponse|200608300001||123456789

SUM|4|0|

ERCOT Validation File - From ERCOT to TDSP

HDR|TDLMParticipantERCOTValidation|200608300001||123456789SUM|4|0|

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

File 1 - From TDSP to ERCOT

HDR|TDLMParticipant|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 TDSP

HDR|TDLMParticipantERCOTResponse|200608300001||123456789

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

SUM|5|4|1|

File 3 - From ERCOT to TDSP

HDR|TDLMParticipantERCOTValidation|200608300001||123456789ER3|1|1001001001001|DET|4||Duplicate-Row

SUM|4|3|1|