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| --- | --- | --- | --- |
| **NPRR Number** | **DRAFT** | **NPRR Title** | **Modify Annual Demand Response Report Posting Date and Include Language to Address PUCT Substantive Rule 25.186** |
| **Date Posted** | | **April XX, 2025** | |
|  | |  | |
| **Requested Resolution** | | Normal | |
| **Nodal Protocol Sections Requiring Revision** | | 3.10.7.2.2 Annual Demand Response Report  3.10.7.2.3 Quarterly Demand Response Report (new)  Section 22, Attachment T, Transmission and Distribution Service Providers and Retail Electric Provider Residential Smart Device Reporting Requirements (new) | |
| **Related Documents Requiring Revision/Related Revision Requests** | |  | |
| **Revision Description** | | This Nodal Protocol Revision Request (NPRR) incorporates the REP and TDSP reporting requirements in PUCT Substantive Rule 25.186 into the Protocols, specifies data exchange methods and formats and changes to the deadline for posting the Annual Demand Response Report to allow use of data submitted for this requirement to be used. | |
| **Reason for Revision** | | [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 1 – Be an industry leader for grid reliability and resilience  [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 2 - Enhance the ERCOT region’s economic competitiveness with respect to trends in wholesale power rates and retail electricity prices to consumers  [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 3 - Advance ERCOT, Inc. as an independent leading industry expert and an employer of choice by fostering innovation, investing in our people, and emphasizing the importance of our mission  General system and/or process improvement(s)  Regulatory requirements  ERCOT Board/PUCT Directive  *(please select ONLY ONE – if more than one apply, please select the ONE that is most relevant)* | |
| **Justification of Reason for Revision and Market Impacts** | | This NPRR is published to specify data submission requirements associated with PUCT Substantive Rule 25.186. | |

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| **Market Segment** | Not Applicable |

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| **Market Rules Notes** |

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| **Proposed Protocol Language Revision** |

***3.10.7.2.2 Annual Demand Response Report***

(1) On an annual basis, ERCOT shall work with Market Participants to produce a report summarizing aggregate customer counts and MWs enrolled in Demand response in the ERCOT Region pursuant to subsection (e)(5) of P.U.C. Subst. R. 25.505, Reporting Requirements and the Scarcity Pricing Mechanism in the Electric Reliability Council of Texas Power Region. This report shall be posted to the ERCOT website no later than January 31 of the year following the survey year. Technical requirements for providing information to ERCOT for the report are located in the Other Binding Document titled Demand Response Data Definitions and Technical Specifications. ERCOT may, for purposes of this section, associate Entities; however, ERCOT shall not determine Non-Opt-In Entities (NOIEs) to be associated based on their membership in a generation and transmission cooperative or as a result of being a party to a single Load Serving Entity (LSE) registration.

(a) Retail Electric Providers (REPs) in competitive regions of ERCOT shall be ranked in descending order by their average daily consumption for summer (June – September) weekdays excluding holidays. The largest REPs that account for 98% of the total shall be required to participate in the survey for the subsequent calendar year. For purposes of assigning this participation requirement, REPs determined by ERCOT to be associated shall have their consumption aggregated prior to the ranking.

(b) NOIE Transmission and/or Distribution Service Providers (TDSPs) operating in the ERCOT Region that register a summer month (June – September) 15-minute interval peak Demand greater than or equal to 100 MW, shall be required to participate in the survey the subsequent calendar year. For purposes of assigning this participation requirement, NOIEs determined by ERCOT to be associated shall have their 15-minute interval peak Demand aggregated prior to the ranking. Participation in the survey shall be the responsibility of either the NOIE TDSP or the NOIE LSE associated with that TDSP based on which entity is responsible for administering Demand response programs within the NOIE TDSP footprint.

(2) By December 31 of each year, ERCOT shall provide advance notice of participation status. To the extent that REPs discontinue participation in the ERCOT market or change associations prior to the snapshot date, ERCOT will send revised notices to REPs affected by such changes no later than August 1 of the survey year. ERCOT shall:

(a) Analyze the summer consumption for all NOIEs and REPs and determine which are required to participate in the Demand response survey for the following year;

(b) Provide advance notice, via email to the Authorized Representative, to all NOIEs and REPs regarding their participation status; and

(c) Provide a list of all REPs or NOIE TDSPs to the Authorized Representative, including all those determined by ERCOT to be associated, to which the participation status applies.

(3) By August 1 of the survey year, ERCOT shall provide official notice of the beginning of the Demand response data collection process. ERCOT shall:

(a) Issue a Market Notice to notify all REPs and NOIEs that the annual Demand response data collection process is beginning. The Market Notice shall make reference to this Protocol section, and shall reiterate specifics of the timeline for the survey process that are to be followed;

(b) Send a reminder email to the Authorized Representative for all REPs, NOIE LSEs and NOIE TDSPs of their participation status. The email shall also contain the list of all REPs or NOIE TDSPs, for which participation status applies. The list shall include all REPs or NOIE TDSPs determined by ERCOT to be associated. This list shall be updated based on any changes in associations that have occurred since the time the advance notice was issued.

(4) By August 15 of the survey year, REPs and NOIEs that are required to participate in that year’s survey, and that will have Customers participating in one or more Demand response program as of the snapshot date of September 1 shall reply to ERCOT with the following:

(a) An acknowledgement of the participation requirement;

(b) An indication that they expect to have Customers participating in one or more Demand response programs on the snapshot date of September 1;

(c) A list of contact people and their email address within their organization that should receive copies of communications related to the survey from ERCOT;

(d) Specifically for REPs, an indication as to which of the methods described in the Other Binding Document titled “Demand Response Data Definitions and Technical Specifications” the REP intends to use to submit files to and receive files from ERCOT; and

(e) Specifically for NOIEs, an indication as to whether the NOIE TDSP or the NOIE LSE is responsible for administering the Demand response programs within the NOIE TDSP area.

(5) By August 15 of the survey year, REPs and NOIEs that are required to participate in that year’s survey, and that do not plan to have any Customers participating in Demand response programs as of the snapshot date of September 1 shall reply to ERCOT indicating the lack of such participation. REPs and NOIEs that are not required to participate in that year’s survey are not required to reply to ERCOT.

(6) By October 15 of the survey year, the REPs participating in that year’s survey shall compile the required Electric Service Identifier (ESI ID) participation data in the format specified by the Other Binding Document titled “Demand Response Data Definitions and Technical Specifications”, and submit the data to ERCOT.

(7) By October 31 of the survey year, the REPs participating in that year’s survey that have reported participation in programs which entail REP-initiated deployments shall compile the required deployment event participation data in the format specified by the Other Binding Document titled “Demand Response Data Definitions and Technical Specifications”, and submit the data to ERCOT.

(8) By October 31 of the survey year, the NOIEs participating in that year’s survey shall compile the required data in the format specified by the Other Binding Document titled “Demand Response Data Definitions and Technical Specifications” and submit the data to ERCOT.

(9) ERCOT shall validate the submitted reports, and indicate any errors and inconsistencies that require correction to the REP or NOIE, within two Business Days of the submission in the manner specified in the Other Binding Document titled “Demand Response Data Definitions and Technical Specifications”.

(10) On or before October 31 of the survey year, REPs shall address the errors and inconsistencies and submit corrected reports to ERCOT. ERCOT will notify the Authorized Representative for each REP and/or NOIE when they have achieved the required level of accuracy.

(11) On or before November 7 of the survey year, NOIEs shall address the errors and inconsistencies and submit corrected reports to ERCOT. ERCOT will notify the Authorized Representative for each REP and/or NOIE when they have achieved the required level of accuracy.

(12) Information provided by NOIEs and REPs to meet the above described reporting requirements shall be treated as Protected Information in accordance with Section 1.3, Confidentiality.

***3.10.7.2.3 Quarterly Residential Demand Response Data Submission***

(1) Pursuant to subsection (d) of P.U.C. Subst. R. 25.186, Goal for Average Total Residential Load Reduction, Retail Electric Providers (REPs) in competitive regions of ERCOT are required to submit Residential ESIID-level data to ERCOT detailing the participation and deployment of customers with smart appliances or devices enrolled in the REP’s responsive devices programs. For purposes of meeting the reporting requirements applicable to ERCOT specified in the Rule, additional data also is required to be submitted to ERCOT by TDSPs regarding Residential Customer participation in their load management programs implemented under P.U.C. Subst. R. 25.181-183.

(a) REPs and TDSPs must submit this data to ERCOT no later than 45 days following the end of each calendar quarter.

(b) Section 22, Attachment T, Retail Electric Provider and Transmission and Distribution Service Providers Smart Device Reporting Requirements, details the technical requirements for providing the required data to ERCOT.

(c) REPs and TDSPs that do not have such programs must send an email to ERCOT ([drsurvey@ercot.com](mailto:drsurvey@ercot.com)) by the dates specified above indicating the absence of such programs.

(d) All REPs must report participation of Residential ESIIDs in programs involving deployment of smart appliances or devices enrolled in the REP’s responsive devices programs as specified in this section. REPs with a with a reporting requirement pursuant to Section 3.10.7.2.2, Annual Demand Response Report, are not required to include participation in the ‘OLC’ category for these ESIIDs in their reporting for that section .

(2) Information provided by REPs and TDSPs to meet the above-described reporting requirements shall be treated as Protected Information in accordance with Section 1.3, Confidentiality.

**ERCOT Nodal Protocols**

**Section 22**

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

**TBD**

**1. INTRODUCTION**  
  
Paragraph (1) of Section 3.10.2.3, Quarterly Residential Demand Response Data Submission, requires Retail Electric Providers (REPs) offering a responsive device program to its Residential Customers and Transmission and Distribution Service Providers (TDSPs) operating Load Management programs involving Residential Customers, to submit certain information on a quarterly basis to ERCOT, on a form prescribed by 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 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 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 Comma Separated Value (.csv) file containing all the ESI ID-level deployment event data for those programs for the calendar quarter. If an ESIID 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 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 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. 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 to 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. 25.505, 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.

**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 under, P.U.C. Subst. R. 25.181-183, shall compile a Comma Separated Value (.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 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.

c. **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**

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 North American Energy Standards Board (NAESB) file exchange will be used in both directions. The file naming conventions and file formats are described below.

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.

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

b. **REP Participant Files Sent to ERCOT**

**1. RDP****Participant**: REPs should use files with this report name 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 Share application.

a. **ERCOT Designated Secure File Share**: REPs that choose to send files to ERCOT via the ERCOT Designated Secure File Share 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 | The date the ESI ID commenced participation in the Responsive Device program. | Numeric (8) yyyymmdd |
| Stop Date | The date the ESI ID ended participation in the Responsive Device program. If the ESI ID is still actively participating, enter the last date of the calendar quarter. | Numeric (8) yyyymmdd |

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

1001001001001|20250101|20250331

1001001001023|20250101|20250331

1001001001045|20250101|20250228

1001001001045|20250315|20250331

d. **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.

i. **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 Number. Associated with the ESI IDs sent in the file. | Numeric  (9 or 13) |

ii. **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 Number 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 | The date the ESI ID commenced participation in the Responsive Device Program. | Numeric (8) yyyymmdd |
| Stop Date | Mandatory | The date the ESI ID ended participation in the Responsive Device Program. If the ESI ID is still actively participating, enter the last date of the calendar quarter. | Numeric (8) yyyymmdd |

iii. **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) |

e. **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|

2. **REP 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. The format of the file is determined by whether the REP sends the file via NAESB or via the ERCOT Designated Secure File Share application.

a. **ERCOT Designated Secure File Share**: REPs that choose to send files to ERCOT via the ERCOT Designated Secure File Share 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 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) |

c. **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. **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.

i. **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 Number. Associated with the ESI IDs sent in the file. | Numeric  (9 or 13) |

ii. **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 Number 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 commenced participation in the Responsive Device Program. | Numeric (8) yyyymmdd |
| Start Time | Mandatory | The date the ESI ID ended participation in the Responsive Device Program. | Military Time format = hh:mm |
| Stop Time | Mandatory | The time the event ended for the ESI ID | Military Time format = hh:mm |
| Device Type Code | Mandatory | 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 of the event | Alpha numeric (3) |

iii. **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) |

e. **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** |
| TST | Smart Thermostat |
| WH | Electric Domestic Water Heater |
| PP | Pool Pump |
| EV | Electric Vehicle Charging |
| OTH | Other Device Type |

**TDSP Participant Files Sent to ERCOT**

**3. TDLMParticipant**: TDSPs in the competitive region of ERCOT should use files with this report name 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 Share application.

a. **ERCOT Designated Secure File Share**: TDSPs that choose to send files to ERCOT via the ERCOT Designated Secure File Share 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 Service Delivery Point (SDP). | Alpha numeric (36) |
| Start Date | The date the ESI ID commenced participation in the TDSP Load Management program. | Numeric (8) yyyymmdd |
| Stop Date | The date the ESI ID ended participation in the TDSP Load Management program. If the ESI ID is still actively participating, enter the last date of the calendar quarter. | Numeric (8) yyyymmdd |

b. **Example ERCOT Designated Secure File Share TLMParticipant file**

1001001001001|20250101|20250331

1001001001023|20250101|20250331

1001001001045|20250101|20250228

1001001001045|20250315|20250331

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.

i. **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 Number. Associated with the ESI IDs sent in the file. | Numeric  (9 or 13) |

ii. **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 Number 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 | The date the ESI ID commenced participation in the TDSP Load Management Program. | Numeric (8) yyyymmdd |
| Stop Date | Mandatory | The date the ESI ID ended participation in the TDSP Load Management Program. If the ESI ID is still actively participating, enter the last date of the calendar quarter. | Numeric (8) yyyymmdd |

iii. **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|

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

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|

3. **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. |
| ESIID-Not-Allowed | ESI ID is participating in ERS or TDSP Load Management Program and may not participate in a REP smart appliance or device program | Remove ESI ID from the file. |
| 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 report 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 ESIID 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. |

e. **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|

2. **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) |

e. **Example RDPEventERCOTResponse File:**

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

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

SUM|5|4|1|

3. **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 ESIID 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. |

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|

iii. **Files Sent from ERCOT to TDSPs**

1. **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  RDPParticipant file. | Alpha numeric |
| REP DUNS Number | Mandatory | TDSP 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 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 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 TDLMParticipant file. | Numeric (8) |
| Total Number of processed DET Records | Mandatory | Total number of DET records processed without error from the TDLMParticipant ile. | Numeric (8) |
| Total Number of Error Records | Conditional | Total number of DET records in error. | Numeric (8) |

e. **Example TDLMParticipaionERCOTResponse File:**

HDR|TDLMParticipantERCOTResponse|200608300001||123456789

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

SUM|5|4|1|

3. **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 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 TDLMParticipant 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 TDLMParticipant 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 TDSP -- the ER3 Record) and Common Fixes**

|  |  |  |
| --- | --- | --- |
| **Error Description** | **Long Description** | **Common Fixes** |
| Invalid-ESI ID | ESI ID is not in ERCOT settlement system or as of Snapshot Date 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. |
| Invalid-Dates | No days in the date range provided are in the report 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 specified Stop date | 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 ESIID 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 | Input record is identical to a previous record except for sequence number | Remove duplicate row. |

e. **Example 1 – TDSP Participation file to ERCOT with no errors**

ERCOT Response File - From ERCOT to TDSP

HDR|TDLMParticipationERCOTResponse|200608300001||123456789

SUM|4|0|

ERCOT Validation File - From ERCOT to TDSP

HDR|TDLMParticipationERCOTValidation|200608300001||123456789

SUM|4|0|

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

File 1 - From TDSP to ERCOT

HDR|TDLMParticipation|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|TDLMParticipationERCOTResponse|200608300001||123456789

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

SUM|5|4|1|

File 3 - From ERCOT to TDSP

HDR|TDLMParticipationERCOTValidation|200608300001||123456789

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

SUM|4|3|1|