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| NPRR Number | DRAFT | NPRR Title | Modify IDR Meter Requirement and Eliminate IDR Meter Requirement Report |
| Date Posted | | January TBD, 2021 | |
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| Requested Resolution | | Normal | |
| Nodal Protocol Sections Requiring Revision | | 2.1, Definitions  10.2.2, TSP and DSP Metered Entities  10.3.3.3, Submission of Settlement Quality Meter Data to ERCOT  10.9, Standards for Metering Facilities  18.6, Installation and Use of Interval Data Recorder Meters  18.6.1, Interval Data Recorder Meter Mandatory Installation Requirements  18.7, Transition of Interval Data Recorder Meter to AMS Profile Type (new)  18.6.2, Interval Data Recorder Meter Optional Removal (delete)  18.6.3, Interval Data Recorder Administration Issues (delete)  18.6.4, MOU/EC Adherence to Interval Data Recorder Requirements (delete)  18.6.5, Technical Requirements (delete)  18.6.6, Peak Demand Determination for Non-Interval Data Recorder Premises (delete) | |
| Related Documents Requiring Revision/Related Revision Requests | | Retail Market Guide Revision Request (RMGRR) XXX, Eliminate Section 7.13, IDR Meter Removal and Installation Process, and Associated Forms | |
| Revision Description | | This Nodal Protocol Revision Request (NPRR) changes the metering requirement for Premises connected at transmission voltage and/or having a peak Demand greater than 700kW/700kVA. Currently an Interval Data Recorder (IDR) Meter is required. This change modifies the requirement to be an IDR which includes IDR Meters and Advanced Meters. This NPRR also eliminates the IDR Meter Requirement Report. | |
| Reason for Revision | | Addresses current operational issues.  Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/wcm/lists/144926/ERCOT_Strategic_Plan_2019-2023.pdf) or directed by the ERCOT Board).  Market efficiencies or enhancements  Administrative  Regulatory requirements  Other: (explain)  *(please select all that apply)* | |
| Business Case | | The requirement for IDR Meters at Premises connected at transmission voltage and/or having a peak Demand greater than 700kW/700kVA is no longer necessary due to the advent of Advanced Meters and efforts of competitive Transmission and/or Distribution Service Providers (TDSPs) to modify their systems to support 4-Coincident Peak (4-CP) billing for Premises with Advanced Meters. Additionally, the IDR Meter Requirement Report is no longer necessary because installation of an IDR Meter is no longer the trigger mechanism to initiate 4-CP billing for a Premise. Competitive TDSPs are bound by their tariffs and all of the tariffs require 4-CP billing for Premises having a peak Demand greater than 700kW/700kVA. | |

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| Market Segment | Not Applicable |

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| Proposed Protocol Language Revision |

## 2.1 DEFINITIONS

Definitions are supplied for terms used in more than one Section of the Protocols. If a term is used in only one Section, it is defined there at its earliest usage.

Interval Data Recorder (IDR) Mandatory Installation Requirements

The kW (kVA) level at which the installation of an IDR is required for Settlement purposes as set forth in Section 18.6.1, Interval Data Recorder Mandatory Installation Requirements.

***10.2.2 TSP and DSP Metered Entities***

(1) Each Transmission Service Provider (TSP) and Distribution Service Provider (DSP) is responsible for supplying ERCOT with meter data associated with:

(a) All Loads using the ERCOT System;

(b) Any Settlement Only Distribution Generator (SODG); a DSP may make some or all such meters ERCOT-Polled Settlement (EPS) compliant and may request that ERCOT poll the meters. Notwithstanding the foregoing sentence, meter data is not required from:

(i) Generation owned by a Non-Opt-In Entity (NOIE) and used for the NOIE’s self-use (not serving Customer Load);

(ii) Distributed Renewable Generation (DRG) with a design capacity less than 50 kW interconnected to a DSP where the owner chooses not to have the out-flow measured in accordance with P.U.C. Subst. R. 25.213, Metering for Distributed Renewable Generation; and

(iii) Distributed Generation (DG) interconnected to a DSP behind a registered NOIE boundary metering point, not registered as a Generation Resource and with an installed capacity below the DG registration threshold, as determined in Section 16.5, Registration of a Resource Entity, and posted on the ERCOT website.

(c) NOIE or External Load Serving Entity (ELSE) points of delivery where metering points are radial Loads and are uni-directionally metered and NOIE points of delivery that have bi-directional flows that are solely the result of generation interconnected to a Transmission and/or Distribution Service Provider (TDSP) owned Distribution System behind a NOIE point of delivery metering point. A TSP or DSP has the option of making some or all such meters EPS compliant and to request that ERCOT poll the meters; and

(d) Generation participating in a current Emergency Response Service (ERS) Contract Period, where such generation only exports energy to the ERCOT System during an ERS deployment or ERS test.

(2) Each TSP and DSP is responsible for the following:

(a) Compliance with the procedures and standards in this Section, the Settlement Metering Operating Guide (SMOG) and the Operating Guides;

(b) Installation, control, and maintenance of the Settlement Metering Facilities, as more fully described in this Section and the SMOG, which includes meters, recorders, instrument transformers, wiring, and miscellaneous equipment required to measure electrical energy;

(c) Costs incurred in the installation and maintenance of these Metering Facilities and communications except for incremental costs incurred for functions not required for the Settlement of the Load or Generation Resource, Settlement Only Generator (SOG), or Load Resource. These incremental costs shall be borne by the Entities requesting the service pursuant to the TSP or DSP tariffs; and

(d) Installation, maintenance, data collection, and related communications, telemetry for the Metering Facilities, and related services necessary to meet the mandatory Interval Data Recorder (IDR) requirements detailed in this Section, Section 18, Load Profiling, and the SMOG.

**10.3.3.3 Submission of Settlement Quality Meter Data to ERCOT**

(1) Settlement Quality Meter Data shall be submitted to ERCOT on a periodic cycle, but no later than monthly:

(a) For provisioned Advanced Meters, Settlement Quality Meter Data will be submitted using an ERCOT specified file format for the interval data only, which will be used for Settlement.

(i) The monthly non-interval total consumption and demand (if applicable) values for these ESI IDs shall be provided to ERCOT and Load Serving Entities (LSEs) using the appropriate Texas Standard Electronic Transactions (TX SETs) in order to effectuate the registration transactions outlined in Section 15, Customer Registration.

(ii) These non-interval total consumption and demand values will not be used for Settlement.

(b) For all other meters, Settlement Quality Meter Data will be submitted using the appropriate TX SET.

(2) Each TSP or DSP shall ensure that consumption meter data submitted to ERCOT is in intervals of:

(a) 15-minutes for those ESI IDs and RIDs served by IDRs; and

(b) Monthly or on an ERCOT-approved meter reading cycle for non-IDRs.

(3) The Settlement Quality Meter Data submitted by TSP or DSP must be in kWh and kVArh values (as applicable).

**10.9 Standards for Metering Facilities**

(1) For Transmission Service Provider (TSP) and Distribution Service Provider (DSP) Metered Entities, an Interval Data Recorder (IDR) Meter is required on any of the following locations/sites:

(a) Non-Opt-In Entity (NOIE) or External Load Serving Entity (ELSE) metering points used to determine the total Load for that NOIE or ELSE; and

(b) Block Load Transfer (BLT) metering points, registered for Settlements in accordance with Section 6.5.9.5.1, Registration and Posting of BLT Points.

(2) For TSP and DSP Metered Entities, an IDR is required on any of the following locations/sites:

(a) Load Resources participating in the Ancillary Services markets, with the exception of Aggregate Load Resources (ALRs) for which statistical sampling is used to validate telemetry, as detailed in the document titled “Requirements for Aggregate Load Resource Participation in the ERCOT Markets”;

(b) Settlement Only Distribution Generators (SODGs); and

(c) Locations meeting IDR requirements defined in Section 18, Load Profiling.

**18.6 Installation and Use of Interval Data Recorders**

***18.6.1 Interval Data Recorder Mandatory Installation Requirements***

(1) Interval Data Recorders (IDRs) are required and shall be installed and utilized for Settlement of Premises having either:

(a) A peak Demand greater than 700 kW (or 700 kVA in CenterPoint Energy’s service territory); or

(b) Service provided at transmission voltage (above 60 kV).

(2) All non-metered Loads such as street lighting, regardless of the aggregation level, shall not be required to install IDRs under the IDR Mandatory Installation Requirements. These Loads shall be settled using Load Profiles.

(3) Municipally Owned Utilities (MOUs) and Electric Cooperatives (ECs) that opt-in to Customer Choice must install IDRs at all Premises subject to the IDR Mandatory Installation Requirements for metering prior to the effective date of their participation in the testing and integration requirements of ERCOT systems for Customer Choice.

**18.7 Transition of Interval Data Recorder Meter to AMS Profile Type**

(1) At a Transmission and/or Distribution Service Provider’s (TDSP’s) discretion, or upon a Customer’s request and TDSP’s approval, a TDSP shall:

(a) Utilize a provisioned Advanced Meter or similarly functional meter for Customer’s Premise;

(b) Assign the appropriate Load Profile, other than one with a BUSIDRRQ Profile Type Code, to Premise’s Electric Service Identifier (ESI ID);

(c) Submit Settlement Quality Meter Data, which will be used for Settlement, using the ERCOT specified file format for the interval data only in accordance with Retail Market Guide Section 7.15, Advanced Meter Interval Data File Format and Submission;

(d) If the ESI ID will be transitioning to an Advanced Metering System (AMS) Profile Type other than BUSLRG or BUSLRGDG, submit a MarkeTrak issue to notify ERCOT; and

(e) Submit the appropriate Texas Standard Electronic Transaction (TX SET) transaction notifying the Competitive Retailer (CR) of the Load Profile change.