**ERCOT Load Profiling Guide**

**Section 19: Definitions and Acronyms**

**November 1, 2016**

# 19 Definitions and Acronyms

## 19.1 Definitions

The defined terms in this Section are limited to those used specifically in the Load Profiling Guide (LPG). Any additional defined terms used in the LPG can be found in Protocol Section 2, Definitions and Acronyms.

Links to definitions:

[A](#A), [B](#B), [C](#C), [D](#D), [E](#E), [F](#F), [G](#G), [H](#H), [I](#I), [J](#J), [K](#K), [L](#L), [M](#M), [N](#N), [O](#O), [P](#P), [Q](#Q), [R](#R), [S](#S), [T](#T), [U](#U), [V](#V), [W](#W), [X](#X), [Y](#Y), [Z](#Z)

[List of Acronyms](#ACRONYMS)

A [[BACK TO TOP]](#TOP)

**Adjusted Static Models**

Load Profiles that are generated from statistical models that are based on static historical Load data, and adjusted for conditions of the day (e.g., weather, Season, etc.)

**Annual Validation**

The formal process performed every year for Business Load Factor Electric Service Identifiers (ESI IDs) & every three years for Residential ESI IDs, whereby ERCOT re-determines the first component of each Load Profile ID—the Load Profile Type. ERCOT then works with the Transmission and/or Distribution Service Providers (TDSPs) to have them update ERCOT’s databases with the resulting Load Profile ID changes via Texas Standard Electronic Transactions (TX SETs).

B [[Back to Top]](#TOP)

**Business (BUS)**

 Load Profile Group designation for non-residential Electric Service Identifiers (ESI IDs) whose service is metered. This encompasses rate classes for business ESI IDs, in addition to other classes.

C [[Back to Top]](#TOP)

D [[Back to Top]](#TOP)

E [[Back to Top]](#TOP)

Electric Service Identifier (ESI ID)

*See Protocol Section 2.1, Definitions.*

***Active ESI ID***

ESI ID is presently receiving service (energized) and a Retail Electric Provider (REP) is currently assigned to it in ERCOT’s system.

***De-Energized ESI ID***

ESI ID does not have a REP assigned in ERCOT’s system, but has not been retired. An 814\_16, Move-In Request, is necessary to change to active status.

***Inactive ESI ID***

ESI ID is retired and will never again receive service.

Engineering Estimated

Estimated Loads based on engineering studies applied to unmetered Loads to allocate energy across specified periods of time.

F [[Back to Top]](#TOP)

G [[Back to Top]](#TOP)

H [[Back to Top]](#TOP)

I [[Back to Top]](#TOP)

Interval Data Recorder (IDR) Requirement

The kW level at which the installation of interval data recorders are required for settlement purposes as set forth in Protocol Section 18.6.1, Interval Data Recorder Meter Mandatory Installation Requirements.

J [[Back to Top]](#TOP)

K [[Back to Top]](#TOP)

L [[Back to Top]](#TOP)

Lagged Dynamic Profiling Methodology

The use of an active set of Load research sample sites to build an aggregated Load Profile for the sample group from actual metered usage processed after the target day.

Load Profile Class

A classification of a group of Customers having similar energy usage patterns and that are assigned the same Load Profile. Load Profile Class is comprised of a Load Profile Group and a Load Profile Segment. An example of a Load Profile Class: Residential Low Winter Ratio (RESLOWR). Load Profile Type and Load Profile Class are used interchangeably.

Load Profile Group

A high-level classification of a set of Customers who have similar characteristics. The Load Profile Groups are: Non-Metered, Residential, and Business. Together, the Load Profile Group and the Load Profile Segment form the Load Profile Type.

Load Profile ID

The Load Profile designation string that contains, the Load Profile Type Code, the Weather Zone Code, the Meter Data Type Code, the Weather Sensitivity Code, and the Time Of Use Schedule (TOUS) Code. All Load Profile IDs are listed in Appendix D, Profile Decision Tree.

Load Profile Models

Processes that use analytical modeling techniques to create Load Profiles.

**Load Profile Segment**

A sub-classification of a Load Profile Group. High Winter Ratio (HIWR) is an example. Together, the Load Profile Group and the Load Profile Segment form the Load Profile Type.

M [[Back to Top]](#TOP)

Meter Data Type

The component of the Load Profile ID that identifies the type of meter data—either interval (IDR) or non-interval (NIDR)—that is to be submitted to ERCOT by the Transmission and/or Distribution Service Provider (TDSP) and used for settlement.

N [[Back to Top]](#TOP)

O [[Back to Top]](#TOP)

**Opt-In Entity**

A Municipally Owned Utility (MOU) or Electric Cooperative (EC) opting-in to Customer Choice.

P [[Back to Top]](#TOP)

Power Factor

The ratio of real power (kW) to the apparent power (kVA) for any given Load and time.

Profile Decision Tree

The document that contains the directions for determining the Load Profile ID to be assigned to an Electric Service Identifier (ESI ID).

Profile Type (*see* Load Profile Class)

Q [[Back to Top]](#TOP)

R [[Back to Top]](#TOP)

Residential (RES)

Load Profile Group designation for Electric Service Identifiers (ESI IDs) served within a residential rate class.

S [[Back to Top]](#TOP)

Segmentation

The process of dividing a population into a number of sub-sets, according to certain parameters, for the purpose of creating Load Profiles for sub-sets of the population.

T [[Back to Top]](#TOP)

Target Profile

The Target Profile is the best available estimated Load shape for a particular proposed subgroup.

U [[Back to Top]](#TOP)

V [[Back to Top]](#TOP)

W [[Back to Top]](#TOP)

**Winter Ratio**

The proportion of usage in winter months to usage in the fall base and spring base months and is used to differentiate residential Electric Service Identifiers (ESI IDs).

X [[Back to Top]](#TOP)

Y [[Back to Top]](#TOP)

Z [[Back to Top]](#TOP)

19.2 Acronyms

The defined terms in this Section are limited to those used specifically in the Load Profiling Guide (LPG). Any additional defined terms used in the LPG can be found in Protocol Section 2, Definitions and Acronyms.

**COPS** Commercial Operations Subcommittee

**DR** Demand Response

**HIWR** High Winter Ratio

**LPG** Load Profiling Guide

**LPGRR** Load Profiling Guide Revision Request

**MAD** Mean Absolute Deviation

**MAPE** Mean Absolute Percent Error

**NIDR** Non-Interval Data Recorder

**NOAA** National Oceanic and Atmospheric Administration

**NODEM** Non-Demand

**NOTOU** Non-Time Of Use

**NWS** Non-Weather Sensitive

**PWG** Profiling Working Group

**LOWR** Low Winter Ratio

**RMSE** Root Mean Square Error