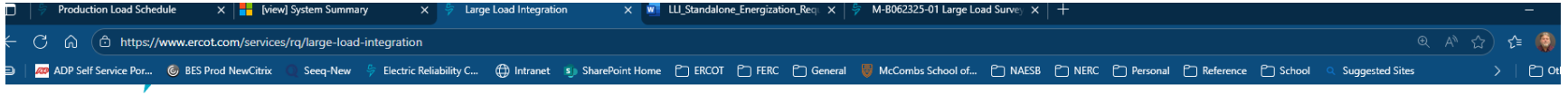
Large Electronic Load (LEL) Interim Voltage Ride Through Assessment and Energization Request Review Process

ERCOT Staffs

Large Load Working Group

ERCOT Public
September 19, 2025

Interim Ride-through verification



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Large Load Integration

This section contains guides and documentation to assist Transmission Service Providers (TSPs), Resource Entities (REs), and Interconnecting Large Load Entities (ILLEs) through the interconnection process for new or modified Large Loads to the ERCOT System. Entities wishing to interconnect a load facility of 75 MW or greater should consult Section 9.2.1 of the ERCOT Planning Guide to determine if the request must go through the Large Load Interconnection process. The guides and documents on this page are used as part of the interconnection process.

Questions on the Large Load interconnection process or the materials on this page may be sent to LargeLoadInterconnection@ercot.com.

— Guides

ERCOT Planning Guide
Section 9 of the Planning Guide defines the requirements and processes used to facilitate new or modified Large Load Interconnections.

— Forms and Other Documents

Energization Request for New Standalone Large Load — Jul 18, 2025 - docx - 97 KB
This form must be completed, submitted to ERCOT, and approved prior to the energization of a new Large Load that is not netted with a Generation Resource. Requests to energize a new Large Load netted with a Generation Resource and to increase the amount of load approved to energize at an existing Large Load facility are also covered by other forms in this section.

Is this Facility a Large Electronic Load (LEL) as described in Market Notice M-B062325-01? ☐ Yes ☐ No

☐ (If Yes) The load has been included in an ERCOT interim ride-through assessment as required by the Market Notice.

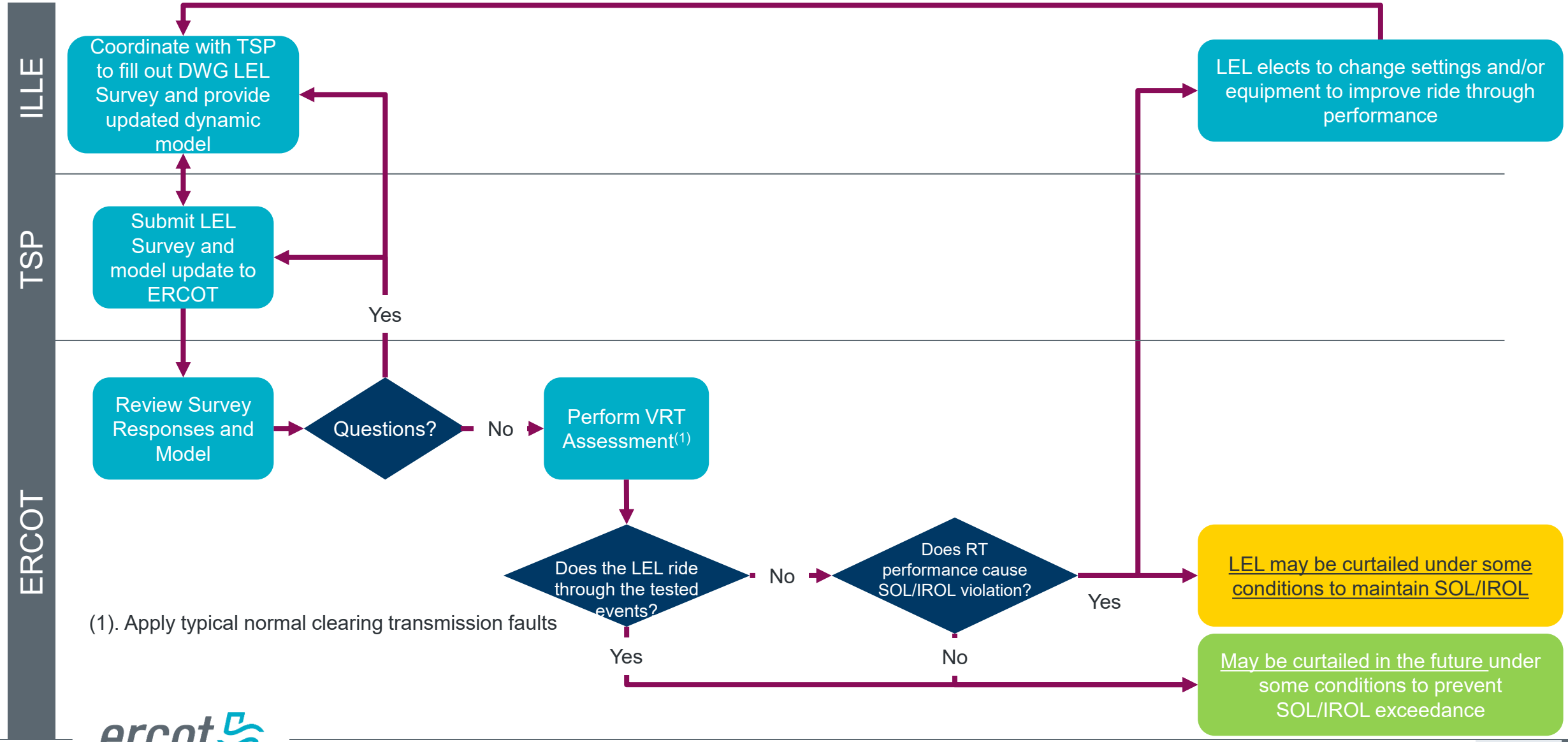
Refer to Slide 5 and 6

Market Notice

NOTICE DATE: June 23, 2025
NOTICE TYPE: M-B062325-01 Operations
SHORT DESCRIPTION: Large Load Survey and Request for Information of Voltage Ride-Through Capabilities to Ensure Reliable Interconnection and Operation of Large Electronic Loads
INTENDED AUDIENCE: All Market Participants and all Customers seeking interconnection of data center and crypto-mining Large Loads (75 MW or greater)
LONG DESCRIPTION: As discussed at ERCOT's June 13, 2025 Large Load Workshop and at the June 25, 2025 PUC Open Meeting, ERCOT is requesting information related to voltage ride-through capabilities to ensure the reliable interconnection and operation of data center and crypto-mining loads 75 MW or greater in size ("Large Electronic Loads" or "LELs"). The goal of this process is to continue facilitating the growth of LELs while protecting the reliability of the ERCOT System.

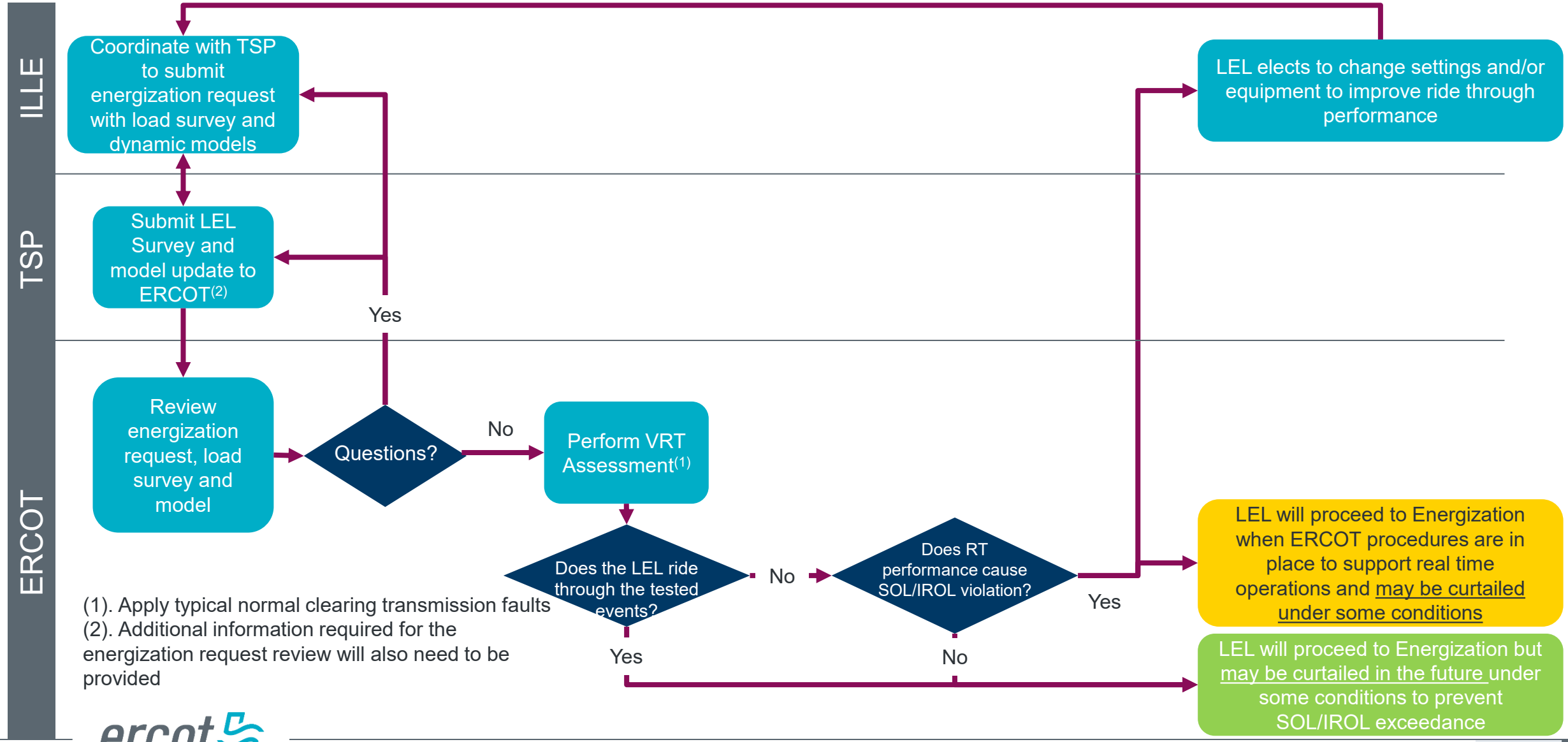
ACTION REQUIRED: For Customers with LELs that are already energized or that have been approved to energize: ERCOT will formally request responses to the survey and model updates in an RFI sent no later than June 30, 2025. Once the RFI has been issued, the Customer should coordinate with its interconnecting TDSP to complete the ERCOT DWG Large Load Survey and provide any necessary dynamic model updates to ERCOT by August 31, 2025. Directions for responding to the survey will be included in the RFI.
For Customers or ILLEs with LELs that have not yet been approved to energize (in part or in whole, as further described in this Notice): The Customer or ILLE should complete the ERCOT DWG Large Load Survey and, if necessary, update its dynamic model and provide that information to ERCOT, the interconnecting TDSP, and the lead TDSP. ERCOT will not issue an RFI to these Customers or ILLEs but will instead require this information to be provided as a condition for energization. Survey responses should be sent to LargeLoadInterconnection@ercot.com.

Interim LEL Ride-Through Evaluation (existing and approved energized LELs)



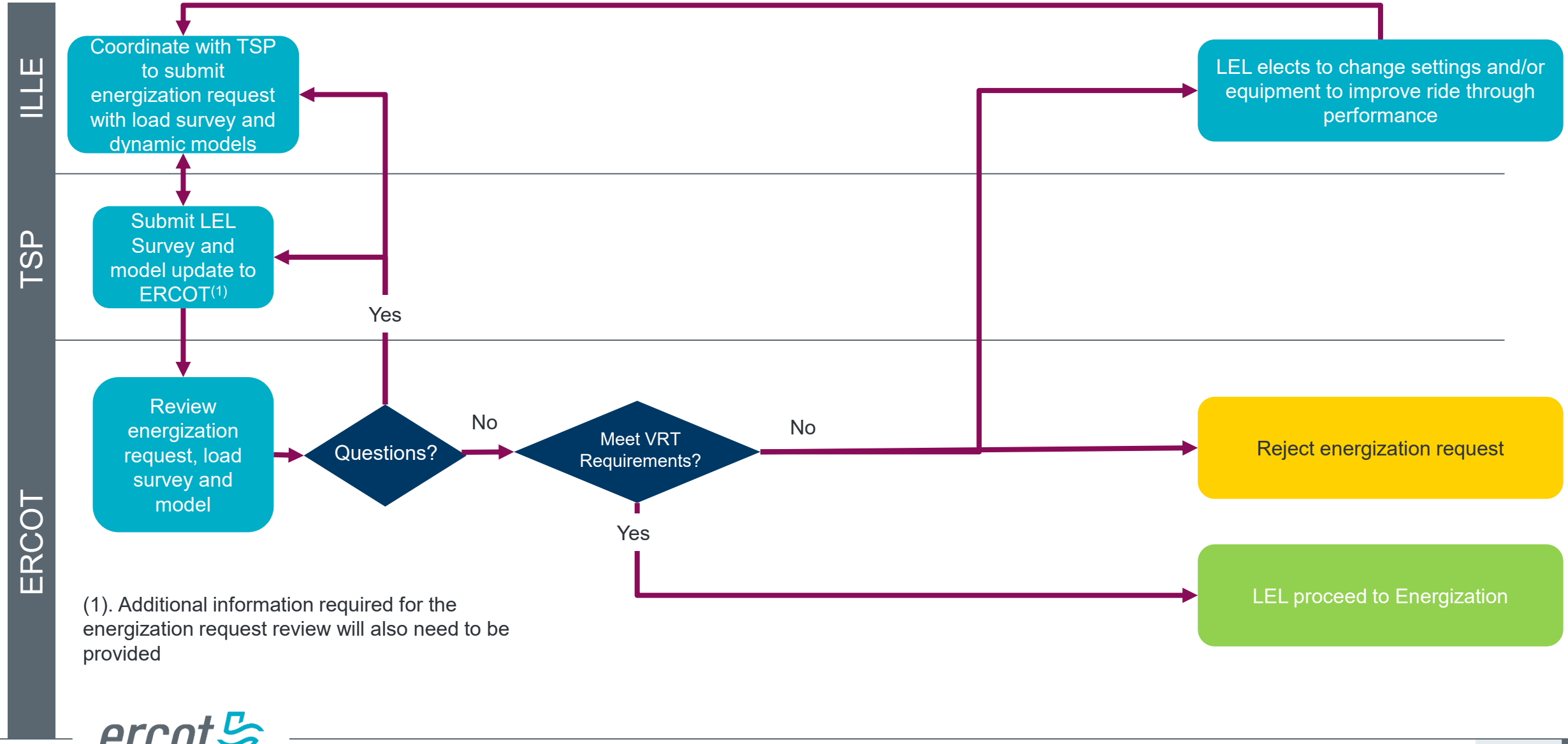
(1). Apply typical normal clearing transmission faults

Interim LEL Ride-Through Evaluation (new LEL energization request)



(1). Apply typical normal clearing transmission faults
(2). Additional information required for the energization request review will also need to be provided

Future LEL Ride-Through Evaluation (with VRT standards/requirements)



(1). Additional information required for the energization request review will also need to be provided