



## PGRR-075 Guideline

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ERCOT Transmission Planning

Resource Integration Workshop  
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# PGRR-075

- Effective May 1, 2020
- Guideline document and sample report available
- <http://www.ercot.com/services/rq/re>
- <http://www.ercot.com/services/rq/integration>
- Under “Guides” >> Model Quality Guide

## Guides

### ERCOT Nodal ICCP Communications Handbook v3.10

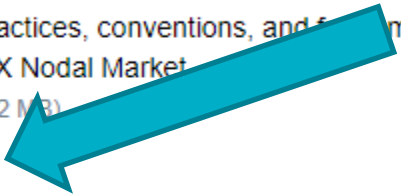
This handbook sets practices, conventions, and fundamental parameters required for Market Participants to exchange data with ERCOT using ICCP protocol in the TX Nodal Market.  
(May 30, 2019 – docx – 3.2 MB)

### Model Quality Guide

Assists REs/IEs submit stability models per Planning Guide Section 6.2, including the new Model Quality Testing requirements. Also includes the UDM Model Guideline and PSCAD Model Guideline.  
(Apr 22, 2020 – zip – 1.6 MB)

### RIOO-IS IE Sign Up Reference

Assists IEs with signing up for a RIOO-IS account in order to submit INRs.  
(Jul 02, 2019 – pdf – 1.5 MB)



# QUESTIONS?

Feedback and comments are welcome to:

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## LVRT Initial Conditions

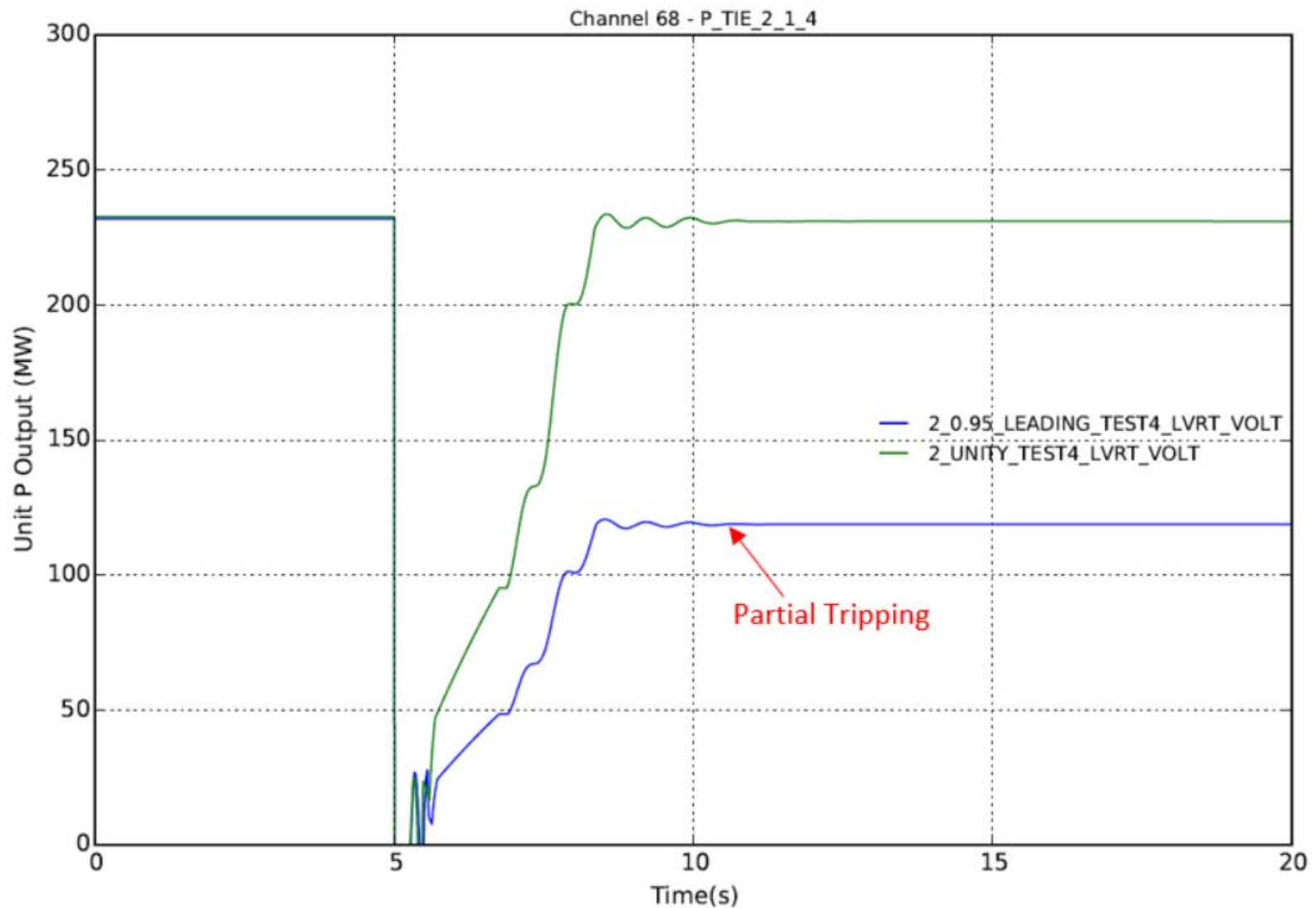
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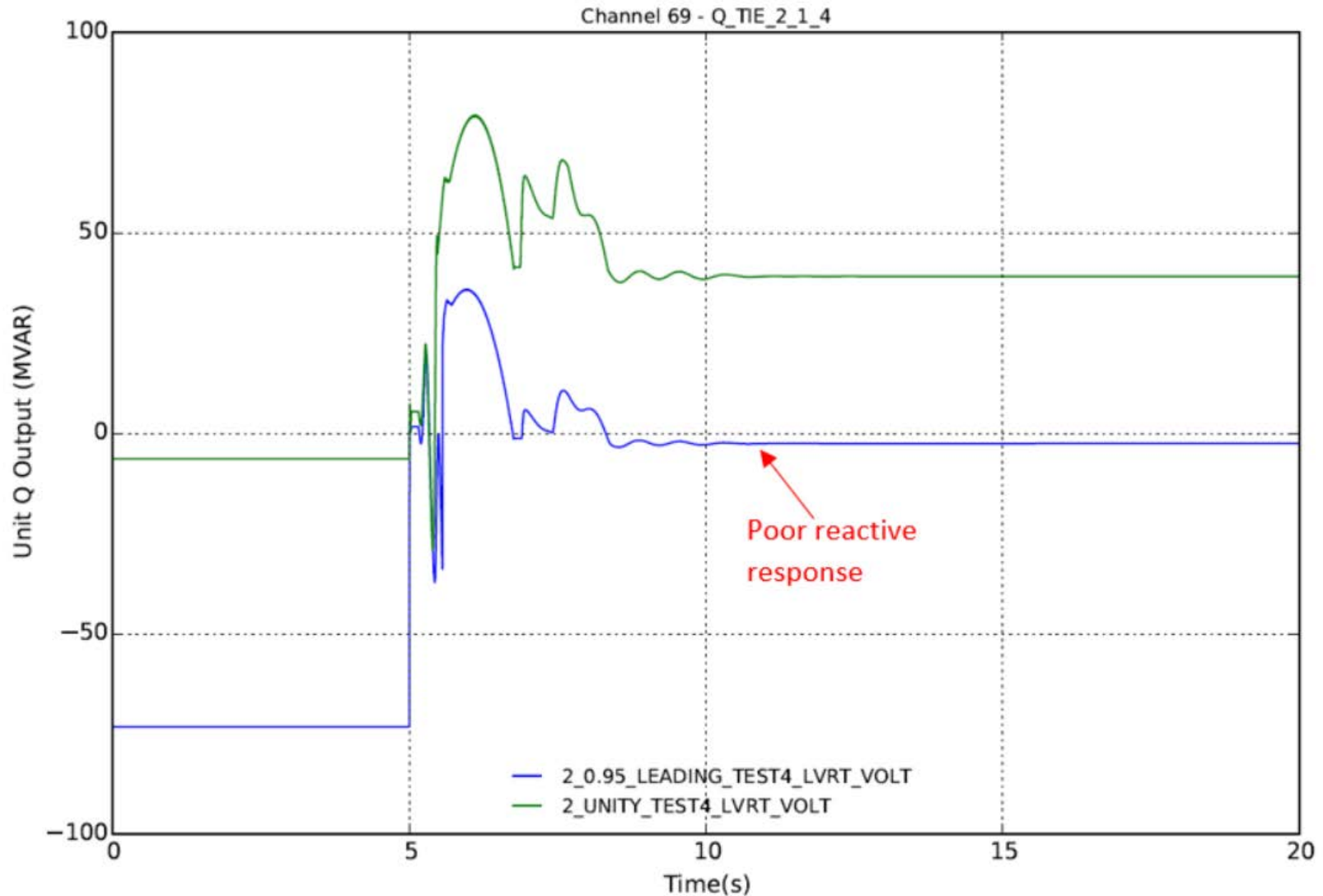
# Overview

- Currently HVRT test is performed for two initial conditions: 0.95 lagging and 0.95 leading
- TSPs usually run LVRT for unity power factor conditions during FIS
- PGRR-075 was aligned with this practice
- Model testing has shown that initial power flow conditions can impact the LVRT response

# Example 1: LVRT Real Power Response



## Example 2: LVRT Reactive Power Response



# Proposal

- Run both HVRT and LVRT tests for the same initial conditions: 0.95 lagging and 0.95 leading
- Applicability:
  - FIS studies
  - PGRR-075 model quality tests
- DWG supports moving forward with this proposal based on discussion at May 14 meeting