



Long-Term West Texas Export Study Scope

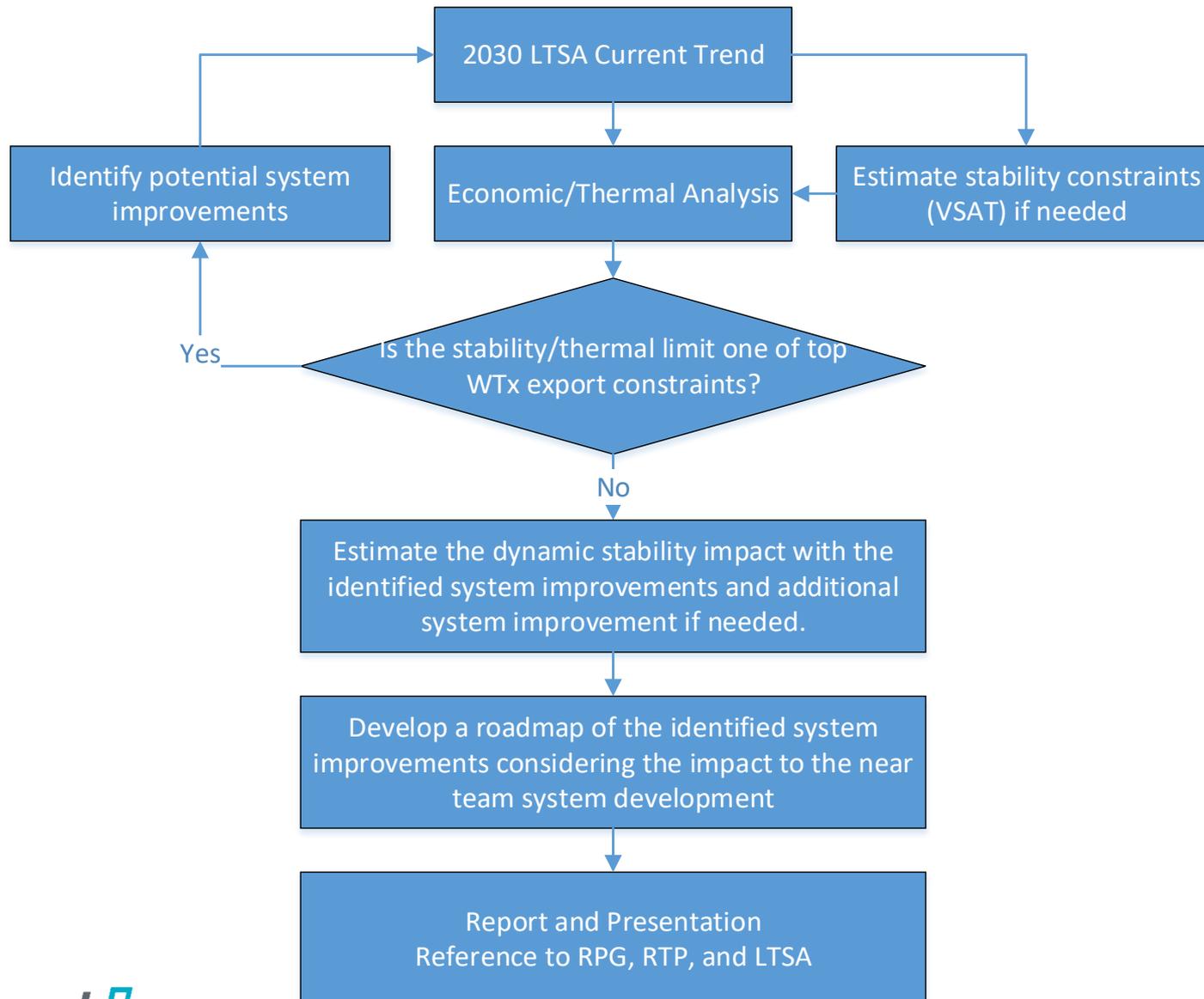
Shun Hsien (Fred) Huang
ERCOT Regional Planning, Transmission
Planning

Regional Planning Group
September 15, 2020

Purpose

- Identify and optimize potential transmission projects to improve West Texas export capability based on the 2030 Long Term System Assessment (LTSA) Current Trends scenario and using existing transmission planning criteria
- Evaluate the reliability and societal benefit of the identified transmission projects to develop a roadmap for West Texas export capability improvement
- The findings identified in this study are expected to provide a better understanding of system needs that can be incorporated in existing system improvement review processes such as the RTP, LTSA and RPG project review
- This study is not intended to imply the need for a new public policy requirement

Methodology



Consideration of Potential System Improvements

- Extra high voltage transmission circuits, including 345 kV, 500 kV or 765 kV
- Dynamic reactive devices, including STATCOM, SVC and synchronous condensers
- High voltage direct current circuit: VSC-HVDC

Next Steps and Tentative Schedule

- ERCOT plans to finalize the study scope in October 2020 and complete the study by 2Q, 2021
 - Stakeholders can provide comments by September 30, 2020
Shun Hsien (Fred) Huang shuang@ercot.com
- ERCOT plans to provide regular update at monthly RPG meetings if needed