# Battery Energy Storage Task Force (BESTF) KTC -14

Title: Review existing study requirements and determine if new studies are needed

Objective: Identify if new studies are needed for interconnecting ESR due to interactions between the controls of the Energy Storage Resource (“ESR”) and neighboring active devices such as High Voltage Direct Current (“HVDC”) ties, Static VAR Compensators (“SVC”), Static Synchronous Compensators (“STATCOM”), or other ESRs.

## Resolution:

1. The need for additional studies, due to possible local issues such as:
   1. Low short-circuit ratio at the POI
   2. Harmonic injection and/or resonance at the POI
   3. Interactions with neighboring devices (SVCs, HVDC ties, STATCOMs, etc.…)

This is a broader topic and applies generally to all Inverter Based Resources.

1. Therefore, the objective of this KTC is being addressed with the initiative that ERCOT is undertaking for Inverter-Based Resources (“IBR”), as well as at the Resource Integration Workshop (“RIW”).
2. Note that ERCOT provides a regular update to ROS on the IBR initiative.
3. There is also an existing process by which Transmission Distribution Service Providers (“TDSP”) may request additional studies, as needed, due to the location of the project and technology used.