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| RRGRR Number | [028](http://www.ercot.com/mktrules/issues/RRGRR028) | RRGRR Title | Transformer Impedance Clarifications |
| Impact Analysis Date | | July 27, 2021 | |
| Estimated Cost/Budgetary Impact | | Between $100k and $150k  Additional Cost to Implement in Passport: N/A | |
| Estimated Time Requirements | | The timeline for implementing this Resource Registration Glossary Revision Request (RRGRR) is dependent upon Public Utility Commission of Texas (PUCT) prioritization and approval. Please see the Project Priority List ([PPL](http://www.ercot.com/services/projects)) for additional information.  Estimated project duration:  7 to 10 months in current systems  Passport Schedule Risk Assessment:  No Risk to Schedule | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 100% ERCOT; 0% Vendor  Ongoing Requirements: No impacts to ERCOT staffing. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Resource Integration and Ongoing Operations (RIOO) 93% * Data Management & Analytic Systems 8% | |
| ERCOT Business Function Impacts | | No impacts to ERCOT business functions. | |
| Grid Operations & Practices Impacts | | No impacts to ERCOT grid operations and practices. | |

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| Evaluation of Interim Solutions or Alternatives for a More Efficient Implementation |
| None offered. |

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| Comments |
| Implementation of this RRGRR is expected to take place after the completion of the in-flight RIOO project. |