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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 $150kAdditional 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 systemsPassport Schedule Risk Assessment:  No Risk to Schedule  |
| ERCOT Staffing Impacts (across all areas) | Implementation Labor: 100% ERCOT; 0% VendorOngoing 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%
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| 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. |