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| NPRR Number | [998](http://www.ercot.com/mktrules/issues/nprr998) | NPRR Title | ERS Deployment and Recall Messages |
| Impact Analysis Date | | February 20, 2020 | |
| Estimated Cost/Budgetary Impact | | Between $15k and $25k | |
| Estimated Time Requirements | | The timeline for implementing this Nodal Protocol Revision Request (NPRR) is dependent upon ERCOT Board prioritization and approval. Please see the Project Priority List ([PPL](http://www.ercot.com/services/projects)) for additional information.  Estimated project duration: 3 to 5 months | |
| 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:  Market Management Systems (MMS) 77%  Integration 23% | |
| ERCOT Business Function Impacts | | No impacts to ERCOT business functions. | |
| Grid Operations & Practices Impacts | | ERCOT will update grid operations and practices to implement this NPRR. | |

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

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| Comments |
| None. |