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| SCR Number | [830](https://www.ercot.com/mktrules/issues/SCR830) | SCR Title | Expose Limited API Endpoints Using Machine-to-Machine Authentication |
| Date Posted | December 30, 2024 |
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| Requested Resolution  | Normal |
| Supporting Protocol or Guide Sections/Related Documents | None |
| System Change Description | This System Change Request (SCR) implements a machine-to-machine (“M2M”) client credentials authentication flow using OAuth 2.0 to allow for certain read-only endpoints of the GINR Rest Application Programming Interface (API) to be exposed for authorized use.  |
| Reason for Revision |  [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 1 – Be an industry leader for grid reliability and resilience [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 2 - Enhance the ERCOT region’s economic competitiveness with respect to trends in wholesale power rates and retail electricity prices to consumers [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 3 - Advance ERCOT, Inc. as an independent leading industry expert and an employer of choice by fostering innovation, investing in our people, and emphasizing the importance of our mission General system and/or process improvement(s) Regulatory requirements ERCOT Board/PUCT Directive*(please select ONLY ONE – if more than one apply, please select the ONE that is most relevant)* |
| Justification of Reason for Revision and Market Impacts | This change will improve data quality by reducing the number of data errors and discrepancies between Market Participant-internal work management system and the Resource Integration and Ongoing Operations (RIOO) system. This will allow Market Participants assigned a large number of Generation Interconnection or Change Requests (GINRs) to improve better recordkeeping workflows.  |

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| Market Segment | Transmission Service Provider |

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| Proposed System Change |

**Issue:**

There are currently 487 open Generation Interconnection or Change Requests (GINRs) in which American Electric Power is designated as the primary Transmission Service Provider (TSP). It is impractical to manage and monitor these requests utilizing email notifications alone and is subject to human performance initiative (“HPI”) issues that may result in missed updates on key information fields in the RIOO system. Similar HPI issues may cause for new requests to be delayed or missed on the intake of our internal work management system.

**Resolution:**

American Electric Power requests that ERCOT implement a machine-to-machine (“M2M”) client credentials authentication flow using OAuth 2.0 to allow for certain read-only endpoints of the GINR Rest Application Programming Interface (API) to be exposed for authorized use. At a minimum, the following three existing API endpoints should be exposed for use using the newly created M2M client credentials authentication flow:

/ginr/rest/dashboard/tdspList

/ginr/rest/types/tdsp

/ginr/rest/ginrRequest/{id}