|  |  |  |  |
| --- | --- | --- | --- |
| SCR Number | [830](https://www.ercot.com/mktrules/issues/SCR830) | SCR Title | Expose Limited API Endpoints Using Machine-to-Machine Authentication |
| Date of Decision | | April 23, 2025 | |
| **Action** | | Recommended Approval | |
| Timeline | | Normal | |
| Estimated Impacts | | Cost/Budgetary: Between $100K and $200K  Project Duration: 6 to 9 months | |
| Proposed Effective Date | | Upon system implementation | |
| Priority and Rank Assigned | | Priority – 2026; Rank – 4750 | |
| 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. | |
| PRS Decision | | On 1/15/25, PRS voted unanimously to recommend approval of SCR830 as submitted. All Market Segments participated in the vote.  On 2/12/25, PRS voted unanimously to table SCR830. All Market Segments participated in the vote.  On 4/9/25, PRS voted unanimously to endorse and forward to TAC the 2/12/25 PRS Report and 4/8/25 Impact Analysis for SCR830 with a recommended priority of 2026 and rank of 4750. All Market Segments participated in the vote. | |
| Summary of PRS Discussion | | On 1/15/25, participants reviewed SCR830.  On 2/12/25, participants reviewed the 2/7/25 ERCOT comments.  On 4/9/25, participants reviewed the 4/8/25 Impact Analysis and considered a priority and rank for SCR830. | |
| TAC Decision | | On 4/23/25, TAC voted unanimously to recommend approval of SCR830 as recommended by PRS in the 4/9/25 PRS Report. All Market Segments participated in the vote. | |
| Summary of TAC Discussion | | On 4/23/25, there was no additional discussion beyond TAC review of the items below. | |
| TAC Review/Justification of Recommendation | | Revision Request ties to Reason for Revision as explained in Justification  Impact Analysis reviewed and impacts are justified as explained in Justification  Opinions were reviewed and discussed  Comments were reviewed and discussed (if applicable)  Other: (explain) | |
|  | |  | |
| **Opinion** | | | |
| Credit Review | | Not applicable | |
| Independent Market Monitor Opinion | | IMM has no opinion on NPRR1229. | |
| ERCOT Opinion | | ERCOT supports approval of SCR830. | |
| ERCOT Market Impact Statement | | ERCOT Staff has reviewed SCR830 and believes it has a positive market impact as it improves data quality by reducing the number of data errors and discrepancies between Market Participant-internal work management system and the RIOO system. | |

|  |  |
| --- | --- |
| Sponsor | |
| Name | Bradley Lewis |
| E-mail Address | [bblewis@aep.com](mailto:bblewis@aep.com) |
| Company | American Electric Power |
| Phone Number | 614-716-1493 |
| Cell Number |  |
| Market Segment | Investor Owned Utility (IOU) |

|  |  |
| --- | --- |
| **Market Rules Staff Contact** | |
| **Name** | Erin Wasik-Gutierrez |
| **E-Mail Address** | [erin.wasik-gutierrez@ercot.com](mailto:erin.wasik-gutierrez@ercot.com) |
| **Phone Number** | 413-886-2474 |
|  |  |
| **Comments Received** | |
| **Comment Author** | **Comment Summary** |
| ERCOT 020725 | Proposed an alternative schedule for the development of an Impact Analysis for SCR830 |
| ERCOT 030525 | Proposed an alternative schedule for the development of an Impact Analysis for SCR830 |
|  |  |
| **Market Rules Notes** | |

None

|  |
| --- |
| 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}