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| SCR Number |  | SCR Title | Retail Market Test Environment |
| Date Posted |  |
|  |  |
| Requested Resolution  | Normal |
| Supporting Protocol or Guide Section(s)(If applicable) |  |
| Other Document Reference/Source |  |
| System Change Description | Describe the basic function of the System Change Request (SCR). |
| Reason for Revision |  Addresses current operational issues. Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/news/presentations/2013/ERCOT%20Strat%20Plan%20FINAL%20112213.pdf) or directed by the ERCOT Board). Market efficiencies or enhancements  Administrative Regulatory requirements Other: (explain)*(please select all that apply)* |

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| **Business Case** |
| **Qualitative Benefits** | Describe qualitative benefits * Allows for the Retail Market Participants to independently test various market processes independent of the current Certification testing environment
* Provides flexibility and availability for any adhoc testing needs for Retail Market Participants that is not contingent upon the current certification testing environment blackout periods
* Eliminates the need for simulation date to test transactions
* Eliminates the need for sending duplicate transactions multiple times
* Requires minimal manual intervention of transaction processing
* Allows ERCOT systems to simulate retail transactions thereby eliminating the need for additional retail market participants to be involved in additional adhoc testing
 |
| **Quantitative Benefits** | Explain in detail possible benefit calculations to support quantifiable benefits * Reduces the time and rescources needed to perform testing
 |
| **Impact to Market Segments** |  |
| **Other** |  |

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| --- |
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| Market Segment | NA |

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| --- |
| **Market Rules Staff Contact** |
| **Name** |  |
| **E-Mail Address** |  |
| **Phone Number** |  |

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| Business Case for Proposed System Change[Please provide sufficient detail] |

**Issue:**

The Certification (CERT) environment was originally created and is currently used for Market Flight testing to certify Market Participants (MPs) in ERCOT Retail Market.

Our investigation into current CERT environment capabilities revealed that it does not meet Retail Market testing needs. Some of the challenges found during the course of our investigation are:

1. Insufficient for market volume testing.
2. Insufficient for API testing.
3. Currently the test scenario uses a Simulated (SIM) date. This makes it difficult to perform adhoc testing in CERT.
4. Restricted availability for additional adhoc testing outside CERT environment schedules.

**Resolution:**

Due to Retail Market’s evolution, there is a need for a market facing test environment that provides expanded functionality that is not currently supported by CERT environment.A fully robust testing environment will provide flexibility and availability for any ad-hoc testing requests by MPs. This new testing environment would operate on its own unique release calendar and SLAs.

Expanded functionality to match ERCOT production environment capabilities for the following:

1. Improving overall testing capabilities in all the Retail Business Processes.
2. Eliminating the need for SIM date to test transactions.
3. Allowing existing MPs more fliexibility to perform various adhoc testing during Monday to Friday (8:00 am – 5:00 pm).
4. Data is purged only on agreed upon schedule eliminating the need for sending the same transactions multiple times.
5. Transactions are processed through ERCOT systems with minimal manual intervention resulting in faster turn around time.
6. ERCOT systems are able to simulate TDSP/CR transactions.

**Benefits:**

1. This environment will allow testing independent of certification flight testing.

**Testing Scenarios:**

1. TXSET (Individual txns + Batch + txns Response)
	1. EDI Transactions
2. MarkeTrak API / GUI
3. Non-EDI – LSE,CBCI,Demand Response, Loads in SCED
4. Browser Support
5. NAESB Upgrade.