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| Principle  Number | 6 | Principle Title | Market-Facing Reports |
| Date Posted | | January 22, 2020 | |
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| Executive Summary | | This Key Principle identifies changes to market-facing reports that will be necessary for the market for implementation of Real-Time Co-optimization (RTC). | |
| Principle Description | | The purpose of Key Principle 6, Market-Facing Reports, is to identify any necessary changes to market-facing reports with the implementation of RTC:  1. Existing reports that will be discontinued  2. Existing eports that will be modified  3. New reports that will be created  Additional display and user interface changes are also described in this Key Principle. | |
| RTCTF Discussion | | On 11/19/19, ERCOT Staff provided a presentation to introduce KP6 subsections (1) and (2) and an Excel file containing an initial list of reports with indications of whether each report would be modified, removed, created, or not changed. ERCOT requested that stakeholders review and provide feedback on the list.  On 12/3/19, RTCTF continued its review of potential reporting changes needed under RTC.  On 12/19/19, RTCTF reached consensus on KP6 subsections (1) and (2), with additional discussion requested on the report inventory Excel file at the next RTCTF meeting.  On 1/22/19, RTCTF continued discussion on the report inventory. Floyd Trefny proposed and presented on the concept of two new 60-day disclosure reports to capture counts of offer curve updates. Luminant presented on their concerns with these proposed new reports. After discussion, there was no consensus reached, but neither was there opposition to creating these two reports. This decision will be presented to the January 29, 2020 TAC meeting. | |
| TAC Action Requested | | On 1/29/20, TAC vote to endorse KP6 (with or without the additional two 60-day disclosure reports) for purposes of informing the Board. | |
| TAC Action Summary | |  | |
| ERCOT Opinion | |  | |
| Board Action Requested | |  | |
| Board Action Summary | |  | |

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| Proposed Principle Language |

# *Principle Concepts for TAC Endorsement*

1) As necessary, existing market-facing reports and user interfaces will be removed or modified and new market-facing reports and user interfaces will be created to implement RTC and achieve the key principles developed by the RTCTF.

2) The list of reports and user interfaces contained in the appendix of this document will be used to guide the development of Protocol language for RTC.

# *Principle concepts Previously Endorsed by TAC*

None

# *Principle Concepts in DisCussion at RTCTF*

None

# *Future Decision Points and Issues for Developing Principle Concepts*

None

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| Applicable Protocol Section(s) |  |
| Impacted System(s) / Application(s) |  |

# *Appendix: List of Reports and User Interfaces*

**New Reports/Interfaces**

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| 2-Day Ancillary Services Reports (RTM) |
| 48-Hour Highest Price AS Offer Selected (RTM) |
| 60-Day DAM Disclosure Reports - AS Offers (Not Associated with a Resource) |
| 60-Day SCED Disclosure Reports - Generation Resource Updates to Offer Curves for AS and potentially Energy Offers if later approved |
| 60-Day SCED Disclosure Reports - Load Resource Updates to Offer Curves for AS and potentially Energy Bids if later approved |
| 7-Day Event Trigger Posting - AS MCPC Greater than 50xFIP (RTM) |
| Aggregated Ancillary Service Offer Curve (SCED) |
| AS Obligation and Responsibility (RTM) |
| Daily RUC Hourly AS Capability |
| DAM Ancillary Service Demand Curves |
| Historical RTM Clearing Prices for Capacity |
| Hourly RUC Hourly AS Capability |
| RTD Indicative RTC MCPC |
| RTM Ancillary Service Demand Curves |
| RUC Ancillary Service Demand Curves |
| SCED Clearing Prices for Capacity |
| Website- RTM MCPCs display |
| Weekly RUC Hourly AS Capability |

**Deleted Reports/Interfaces**

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| 60-Day SASM Disclosure Reports - Gen AS Offer Awards |
| 60-Day SASM Disclosure Reports - Gen AS Offers |
| 60-Day SASM Disclosure Reports - Load AS Offer Awards |
| 60-Day SASM Disclosure Reports - Load AS Offers |
| Hourly RUC Ancillary Service Demand Curves |
| IMM Software Real-Time Co-Optimization Input Files |
| LOLP Distribution by Season and TOD Block |
| Monthly Summary of Ancillary Service Supply Responsibility Failure |
| Monthly Summary of Resource AS Supply Insufficiency at 1430 |
| Resource AS Supply Insufficiency at 1430 |
| SASM Aggregated Ancillary Service Offer Curve |
| SASM MCPC by Ancillary Service Type |
| Total Ancillary Service Procured in SASM |
| UI- Get SASM ID List |
| Weekly RUC Ancillary Service Demand Curves |

**Changed Reports/Interfaces with Notes on Changes**

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| 2-Day DAM and SCED Energy Curves Reports | SCED Energy Offers Report should be posted for each SCED interval |
| 2-Day Real Time Gen and Load Data Reports | HASL columns need to be removed from Gen summary report |
| 48-Hour Highest Price AS Offer Selected (DAM) | Remove SASM from market column population |
| 60-Day Current Operating Plan | COP information will change and report will need to change to contain new information. |
| 60-Day SCED Disclosure Reports - DSR Load data | Update to include SCED interval level data. |
| 60-Day SCED Disclosure Reports - Gen Resource data | Update to include SCED interval level data. HASL column needs to be removed. Include AS Offer information for each interval and update for changes in Resource telemetry |
| 60-Day SCED Disclosure Reports - HDL&LDL manual overrides | Update to include SCED interval level data. |
| 60-Day SCED Disclosure Reports - Load Resource data | Update to include SCED interval level data. HASL column needs to be removed. Include AS Offer information for each interval and update for changes in Resource telemetry |
| 60-Day SCED Disclosure Reports - QSE Self-Arranged AS | Update to include SCED interval level data. Change to self-provision concept |
| 60-Day SCED Disclosure Reports - SMNE Gen Resource (Settlement Metered Net Energy for Generation Resources) | Update to include SCED interval level data. |
| 7-Day Event Trigger Posting - AS MCPC Greater than 50xFIP (DAM) | Remove SASM from market column population |
| 7-Day Event Trigger Posting - LMP Exceeds 50xFIP (RTM) | Updated to include SCED interval level data, for the applicable intervals. |
| AS Obligation and Responsibility (DAM) | Responsibility will change to simply be DAM award |
| CLREDP Acceptable Performance Criteria and PRC Variables | Will need to be updated due to AS award changes |
| Complete Current Operating Plan Data | COP information will change and report will need to change to contain new information. |
| Controllable Load Resource Base Point Deviation Charge for Over-Consumption Variables | Will need to be updated due to AS award changes |
| Controllable Load Resource Base Point Deviation Charge for Under-Consumption Variables | Will need to be updated due to AS award changes |
| ERCOT Fundamentals Training Manual | This references AS awards in DAM being physically binding. More will need to be added about how AS works in RTM. |
| ERCOT Market Information List | Add new reports. Remove old reports. |
| ERCOT Summary Dispute Report | New settlement SUB TYPE needs to be added |
| Historical Real-Time ORDC and Reliability Deployment Price Adders and Reserves | Remove ORDC related data. Keep Reliability Deployment related data. |
| Historical Real-Time ORDC and Reliability Deployment Prices for 15-minute Settlement Interval | Remove ORDC related data. Keep Reliability Deployment related data. |
| Market Submission Validation Rules | Update to consider new RTC submission/validation rules |
| Monthly Generation Resource Energy Deployment Performance Report | Will need to be modified if gredp metric is modified |
| Monthly Non-Spin CLR Performance Report | Need to change to reflect on how AS is awarded in RTM |
| Monthly Non-Spin Generation Performance Report | Need to change to reflect on how AS is awarded in RTM |
| QSE Ancillary Services Capacity Monitor | Will need to be updated to the concept of AS award vs. responsibility |
| Real-Time ORDC and Reliability Deployment Price Adders and Reserves by SCED Interval | Remove ORDC related data. Keep Reliability Deployment related data. |
| Real-Time ORDC and Reliability Deployment Prices for 15-minute Settlement Interval | Remove ORDC related data. Keep Reliability Deployment related data. |
| Responsive Reserve Performance QSE Summary Report for Non CLRs | Need to change to reflect on how AS is awarded and deployed in RTM |
| Responsive Reserve Performance Report for Generators and CLRs | Need to change to reflect on how AS is awarded and deployed in RTM |
| RTD Indicative ORDC and Reliability Deployment Price Adders and Reserves | Remove ORDC related data. Keep Reliability Deployment related data. |
| RTM Price Corrections | Update to include RTC MCPC |
| Short-Term System Adequacy Report | Construct likely the same but calculations will likely change as new COP statuses likely added and old COP statuses removed |
| System-Wide Offer Cap | Update to consider RTC SWCAPs and potentially new SWCAP for DAM |
| UI- Ancillary Service Obligations Notification | Remove SASM |
| UI- Ancillary Service Offer Awards | Remove SASM |
| UI- Ancillary Service Offers | changes to validation interface |
| UI- Ancillary Service Trades | Adjust to consider RTC trade rules |
| UI- AwardedAS | Remove SASM |
| UI- Confirmed and Unconfirmed Ancillary Service Trades | Adjust to consider RTC trade rules |
| UI- Confirmed Trades | Adjust to consider RTC trade rules |
| UI- Current Operating Plan (COP) Submissions/Retrievals | COP information will change and report will need to change to contain new information. |
| UI- Market MCPCs | Remove SASM |
| UI- Real-Time LMPs for Latest SCED Run Display | Remove ORDC related data |
| UI- RTD Indicative LMPs by Load Zones or Hubs Display | Remove ORDC related data |
| UI- Unconfirmed Ancillary Service Trades | Adjust to consider RTC trade rules |
| UI- Unconfirmed Trades | Adjust to consider RTC trade rules |
| Webiste- Capacity Available to SCED | HASL needs to be removed |
| Website- Sytem Ancillary Service Capacity Monitor | Will need to be updated to the concept of AS award vs. responsibility |