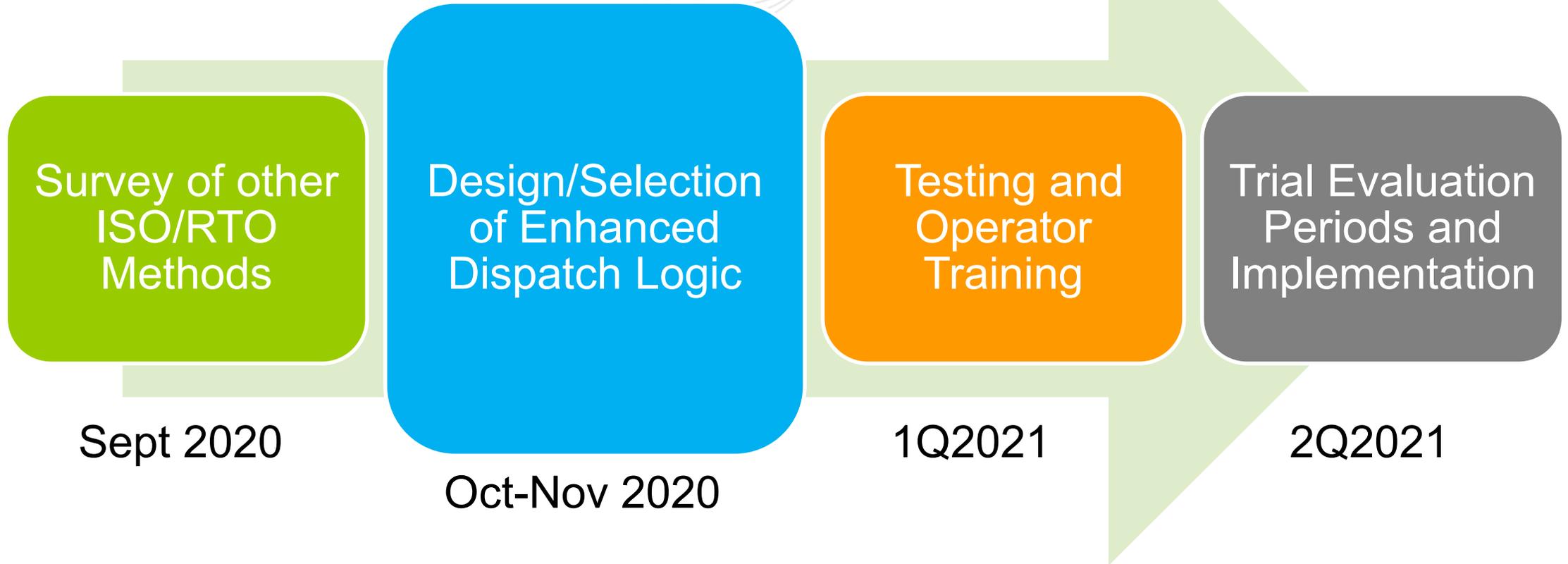




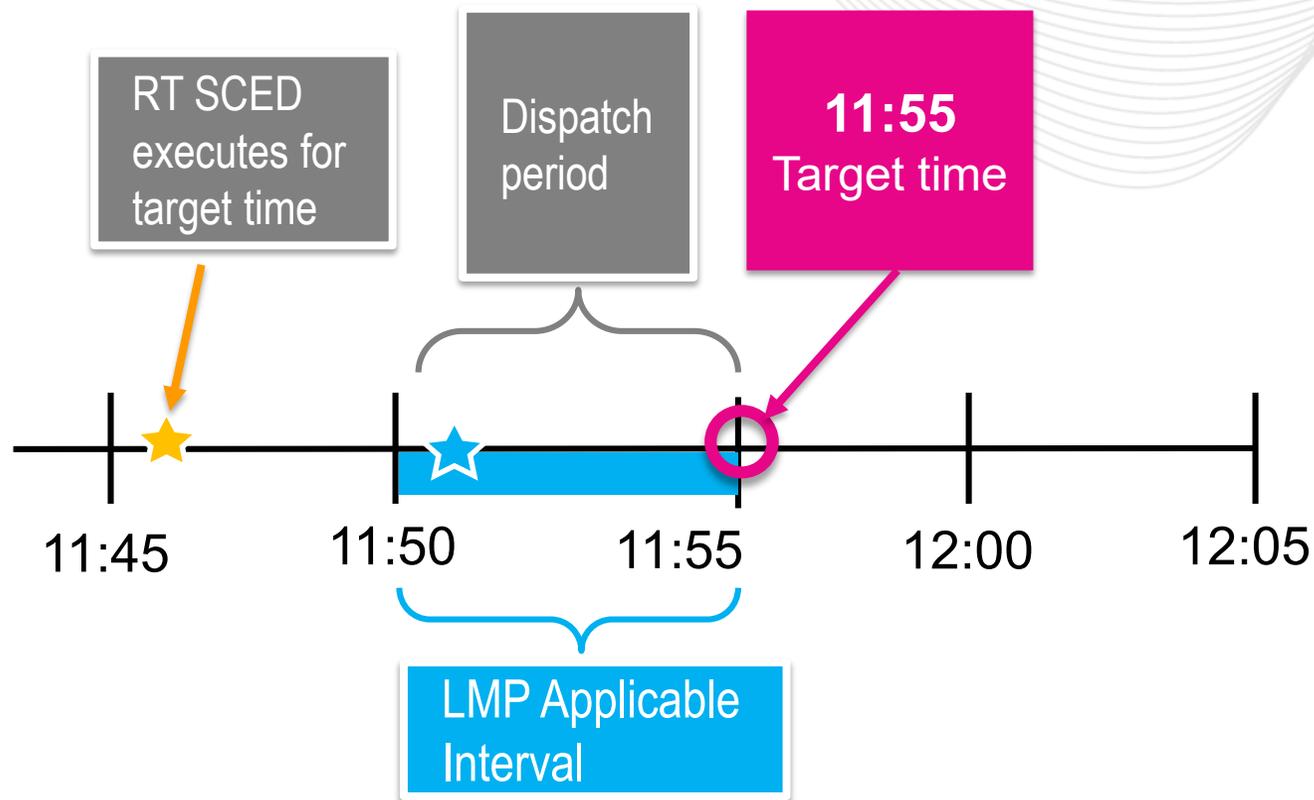
# Five Minute Dispatch Long-term Evaluation

Aaron Baizman  
Sr. Engineer  
Market Implementation Committee  
October 7, 2020

# Recap: Long-Term Evaluation and Tentative Implementation Timeline



RTO/ISO	Ramp Logic
ISO-NE	SE + 10 Minutes
MISO	Envelope - First 5 minutes assume previous SCED dispatch, next 5 minutes ramp to optimize in SCED
NYISO	Envelope - First 5 minutes assume previous SCED dispatch, next 5 minutes ramp to optimize in SCED
SPP	Envelope - First 5 minutes assume previous SCED dispatch, next 5 minutes ramp to optimize in SCED
PJM	SE + 10 Minutes
ERCOT	5 minute ramp based on current telemetered MW and telemetered ramp rates to determine the dispatch range
CAISO	Envelope



★ LPC case execution time

- Utilizes a five-minute dispatch interval
- Previous dispatch basepoint and SE MWs used to develop an envelope for achievable MWs as input to determine new dispatch basepoint
  - Removes existing challenge where unit receives overlapping dispatch signals

PJM supports this proposed method

- PJM plans to move forward with changing to the MISO ramp rate design
  - Additional impacted areas to be reviewed
- Design requirements to be developed
  - Final Implementation Timeline to be determined

SME:

Aaron Baizman, [Aaron.Baizman@pjm.com](mailto:Aaron.Baizman@pjm.com)

Presenter:

Aaron Baizman, [Aaron.Baizman@pjm.com](mailto:Aaron.Baizman@pjm.com)

5 Minute Dispatch Long-Term Evaluation



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

# Appendix

## Ramp Rate Methodology

October 2<sup>nd</sup> 2019 Five Minute Dispatch Special Session

<https://www.pjm.com/-/media/committees-groups/committees/mic/20191002-fmdp/20191002-item-03a1-alignment-of-dispatch-and-pricing-issue-education.ashx> (IMM slides 13-18)

