# RCM3 UPDATE

February 2017



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- Current state
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## RESERVE CAPACITY WITHIN WAMRP



Implement
new reserve
capacity rules
within current
Market
Systems.

Our scope

Implement additional functionality to support the planned auction of reserve capacity.

Integrate the new RCM module to the July 2019
Market Systems.

### PROJECT STATUS





#### Completed

- IRCR Calculations
- Application for Certification
   scheduled generators
- Trade Declaration
- Document Management
- Capacity Credit Allocation
- Resized scope of RCM
- Capacity Credit Management
- MPI integration

#### In Test

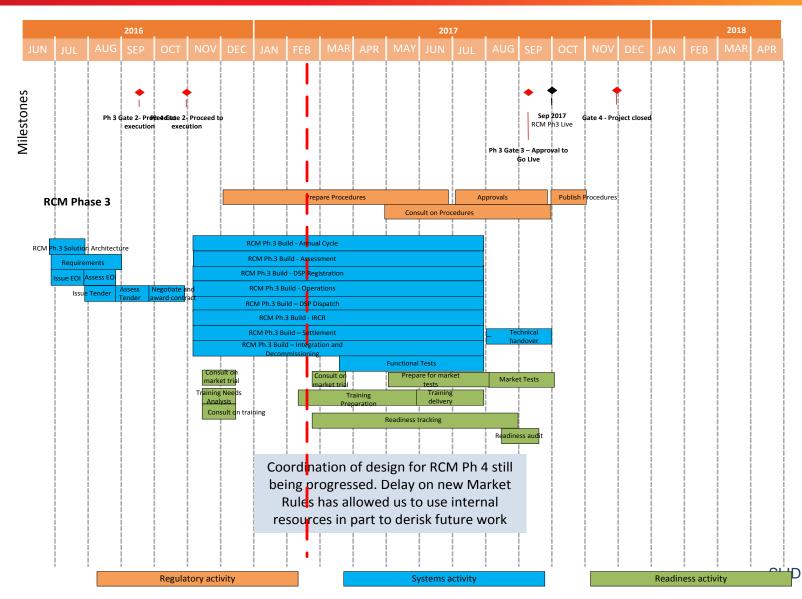
- Base Settlement Calculation
- Application for Certification DSP & non-scheduled generators
- Authentication
- RC price

#### In Development

- IRCR Certification
- IRCR Case loader
- Settlement Calculations
- Window Authorisation
- API Authorisation
- NTDL Application
- RCOQ Calculation

# HIGH LEVEL TIMELINE





# APPLICATION PROGRAMMING INTERFACE (API)



Monthly Capacity Allocation Processes  Must 2,Should 1,Could 3,Won't 1  Medium Priority  Medium Priority  Must 2,Should 1,Could 3,Won't 2  Low Priority  Low Priority  Low Priority  Must 0, Should 2,Could 3, Won't 2  Low Priority  Low Priority  Must 2, Should 2, Could 3, Won't 2  Low Priority  Must 2, Should 2, Could 1, Won't 2  High Priority  Must 2, Should 2, Could 1, Won't 2  High Priority  Must 2, Should 1, Could 2, Won't 4  Deprioritise  RCOQ  Must 3, Should 1, Could 2, Won't 4  Must 2, Should 1, Could 2, Won't 3  Must 2, Should 1, Could 2, Won't 4  Must 3, Should 1, Could 2, Won't 2  Must 3, Should 1, Could 2, Won't 2  Must 3, Should 1, Could 2, Won't 2  Must 4, Should 1, Could 2, Won't 4  Must 1, Should 1, Could 0, Won't 3  Must 2, Should 1, Could 0, Won't 3  Must 3, Should 1, Could 0, Won't 4  Must 1, Should 1, Could 0, Won't 4  Must 3, Should 1, Could 0, Won't 3  Must 4, Should 1, Could 0, Won't 3  High Priority  Must 3, Should 1, Could 0, Won't 4  Must 4, Should 0, Could 1, Won't 2  Must 4, Should 0, Could 1, Won't 2  Must 4, Should 1, Could 0, Won't 4  Deprioritise  Must 6, Should 1, Could 1, Won't 1  Must 1, Should 1, Could 1, Won't 1  Must 1, Should 1, Could 0, Won't 1  Deprioritise  Must 0, Should 0, Could 1, Won't 1  Deprioritise  Must 0, Should 0, Could 0, Won't 2  Deprioritise	Item	Market Participant Feedback on Priority	Proposed treatment for discussion
Reporting relating to:  Annual RCM certification cycle submissions (e.g. Must 0, Should 2,Could 3, Won't 2 Low Priority  Certification of Reserve Capacity, Bilateral and DSM Trade Declarations submissions and results)  Parameters applicable for a Reserve Capacity Cycle (e.g. RCT, RCP, DSP Capacity Price, Assigned Capacity Credits)  Relevant Demand Must 0, Should 1, Could 2, Won't 4 Deprioritise  RCOQ Must 3, Should 1, Could 0, Won't 3 High Priority  RC Testing Results Must 2, Should 1, Could 2, Won't 4 Low Priority  NBDMO Must 1, Should 1, Could 0, Won't 4 Low Priority  IRCR Must 3, Should 1, Could 0, Won't 3 High Priority  Rettlement Outcomes Must 3, Should 1, Could 0, Won't 3 High Priority  Publication of data as required by Clause 10.5.1  NBDMO prices by facility, NBDMOs, Refund Exempt Planned Outage Count and Telemetry  Dither Items (please specify)  Submission for certification – bilateral and dsm trade declarations  Submission for certification – Full Certification Data Must 0, Should 0, Could 0, Won't 2 Deprioritise	Submissions and reporting for:		
Annual RCM certification cycle submissions (e.g. Certification of Reserve Capacity, Bilateral and DSM Trade Declarations submissions and results)  Parameters applicable for a Reserve Capacity Cycle (e.g. RCT, RCP, DSP Capacity Price, Assigned Capacity Credits)  Relevant Demand Must 0, Should 1, Could 2, Won't 4 Deprioritise RCOQ Must 3, Should 1, Could 0, Won't 3 High Priority  RC Testing Results Must 2, Should 1, Could 0, Won't 4 Low Priority  NBDMO Must 1, Should 1, Could 0, Won't 4 Low Priority  RECR Must 3, Should 1, Could 0, Won't 4 Low Priority  NBCR Must 3, Should 1, Could 0, Won't 4 Low Priority  NBCR Must 3, Should 1, Could 0, Won't 4 Low Priority  NBCR Must 3, Should 1, Could 0, Won't 4 Low Priority  NBCR Must 4, Should 0, Could 1, Won't 2 High Priority  Publication of data as required by Clause 10.5.1  NBDMO prices by facility, NBDMOs, Refund Exempt Planned Outage Count and Telemetry  NBDMO Must 1, Should 1, Could 0, Won't 4 Low Priority  NBDMO prices by facility, NBDMOs, Refund Exempt Planned Outage Count and Telemetry  Must 1, Should 1, Could 0, Won't 1 Deprioritise  Must 0, Should 0, Could 1, Won't 1 Deprioritise  Submission for certification – bilateral and dsm trade declarations  Must 0, Should 0, Could 0, Won't 2 Deprioritise  Must 0, Should 0, Could 0, Won't 2 Deprioritise	Monthly Capacity Allocation Processes	Must 2,Should 1,Could 3,Won't 1	Medium Priority
Certification of Reserve Capacity, Bilateral and DSM Trade Declarations submissions and results)  Parameters applicable for a Reserve Capacity Cycle (e.g. RCT, RCP, DSP Capacity Price, Assigned Capacity Credits)  Relevant Demand  Must 0, Should 1, Could 2, Won't 4  RCOQ  Must 3, Should 1, Could 0, Won't 3  Must 0, Should 1, Could 0, Won't 3  Migh Priority  RC Testing Results  Must 2, Should 1, Could 2, Won't 4  NBDMO  Must 1, Should 1, Could 0, Won't 4  Must 2, Should 1, Could 0, Won't 4  Must 3, Should 1, Could 0, Won't 4  Must 3, Should 1, Could 0, Won't 4  Must 3, Should 1, Could 0, Won't 4  Must 4, Should 1, Could 0, Won't 3  Migh Priority  Publication of data as required by Clause 10.5.1  NBDMO prices by facility, NBDMOs, Refund Exempt Planned Outage Count and Telemetry  Must 1, Should 1, Could 0, Won't 4  Must 1, Should 1, Could 0, Won't 4  Low Priority  Planned Outage Count and Telemetry  Must 1, Should 1, Could 0, Won't 1  Deprioritise  Submission for certification – bilateral and dsm trade declarations  Submission for certification – Full Certification Data  Must 0, Should 0, Could 0, Won't 2  Deprioritise	Reporting relating to:		
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NBDMO  Must 1, Should 1, Could 0, Won't 4  Low Priority  Must 3, Should 1, Could 0, Won't 3  High Priority  Must 4, Should 0, Could 1, Won't 2  High Priority  Must 4, Should 0, Could 1, Won't 2  High Priority  Must 1, Should 1, Could 0, Won't 4  NBDMO prices by facility, NBDMOs, Refund Exempt Planned Outage Count and Telemetry  Must 1, Should 1, Could 0, Won't 4  Low Priority  Low Priority  Depriority  Must 1, Should 1, Could 0, Won't 4  Deprioritise  Must 0, Should 0, Could 1, Won't 1  Deprioritise  declarations  Submission for certification – Full Certification Data and Documentation.	RCOQ	Must 3, Should 1, Could 0, Won't 3	High Priority
IRCR  Must 3, Should 1, Could 0, Won't 3  High Priority  Must 4, Should 0, Could 1, Won't 2  High Priority  How Priority  Depriority  Nust 1, Should 1, Could 0, Won't 4  Low Priority  Deprioritise  High Priority  High Priority  High Priority  High Priority  How Priority  Depriority  Deprioritise  Must 0, Should 0, Could 0, Won't 2  Deprioritise  and Documentation.	RC Testing Results	Must 2, Should 1, Could 2, Won't 2	Medium Priority
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	Submission for certification – Full Certification Data and Documentation.	Must 0, Should 0, Could 0, Won't 2	Deprioritise
	Forecast capacity and multiplier calculation (To support the Dynamic Refund Mechanism)	Must 0, Should 1,Could 0, Won't 1	Deprioritise
Loss Factors Must 1, Should 0, Could 0, Won't 1 Deprioritise – Not RCM Specific	Loss Factors	Must 1, Should 0, Could 0, Won't 1	Deprioritise – Not RCM Specific
Access to LFAS submission Data Must 0, Should 1, Could 0, Won't 1 Deprioritise – Not RCM Specific	Access to LFAS submission Data	Must 0, Should 1, Could 0, Won't 1	Deprioritise – Not RCM Specific

# KEY DATES FOR PARTICIPANTS



Activity	Planned Date	Status
Consult on Market Trial and Training Approach	Jan/Feb 17	Running late due to focus on program changes – now March 17
API Design	Late Q1 17	No change
Training Delivery	Late Q2/ Early Q3 17	No change
Market Trial	Q3 17	No change

Ongoing capacity assignment and assessment in mid 2017 – will not use the new systems and will execute in parallel to the trial.

# THANK YOU



