

Relationship between Order 2222 and BTMG Business Rules on Status Changes

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MIC Special Session

BTMG Business Rules on Status Changes

June 3, 2021

Behind the Meter Generation Business Rules on Status Changes

- Review and update existing business rules related to a BTMG unit changing status from BTMG to a resource participating in PJM Markets, and vice versa
 - Designate Capability as Generation Capacity Resource and/or Energy Resource
 - Designate Capability as PJM Load Response
 - Load Impacts
 - Performance Obligation Impacts
- Clarify existing options for a BTMG resource
- Must be completed regardless of Order 2222
- Worked at MIC Special Sessions, bring Manual/Governing Document revisions to Standing Committee upon completion

FERC Order 2222

- Enable DER participation in ISO/RTO Markets through aggregation
- Order 2222 Design
 - DERA Jurisdiction & Interconnection
 - Operations
 - Market Design
 - Settlement
 - Coordination
- New options for DER Aggregates to participate
- PJM's Compliance filing due February 1, 2022
- Worked at DER & Inverter-Based Resources Subcommittee (DIRS)

Overlap

- BTMG Business Rules on Status Changes clarifications may help with the Order 2222 effort
- Manual 14D Appendix A: BTMG Business Rules may be further modified during Order 2222 effort
- BTMG change in status could include designating as DERA in the future



BTMG Gross Output < Gross Load

1

Demand Resource (Pre-Emergency/Emergency or Economic Load Response) if PLC/CBL > 0 MW

2

Future option: DER in a DER Aggregate (Order 2222)



BTMG Gross Output > Gross Load

3

1

Generation Capacity Resource and/or Energy Resource for injection

2

Demand Resource (Pre-Emergency/Emergency or Economic Load Response) if PLC/CBL > 0 MW

4

Future option: DER in a DER Aggregate (Order 2222)

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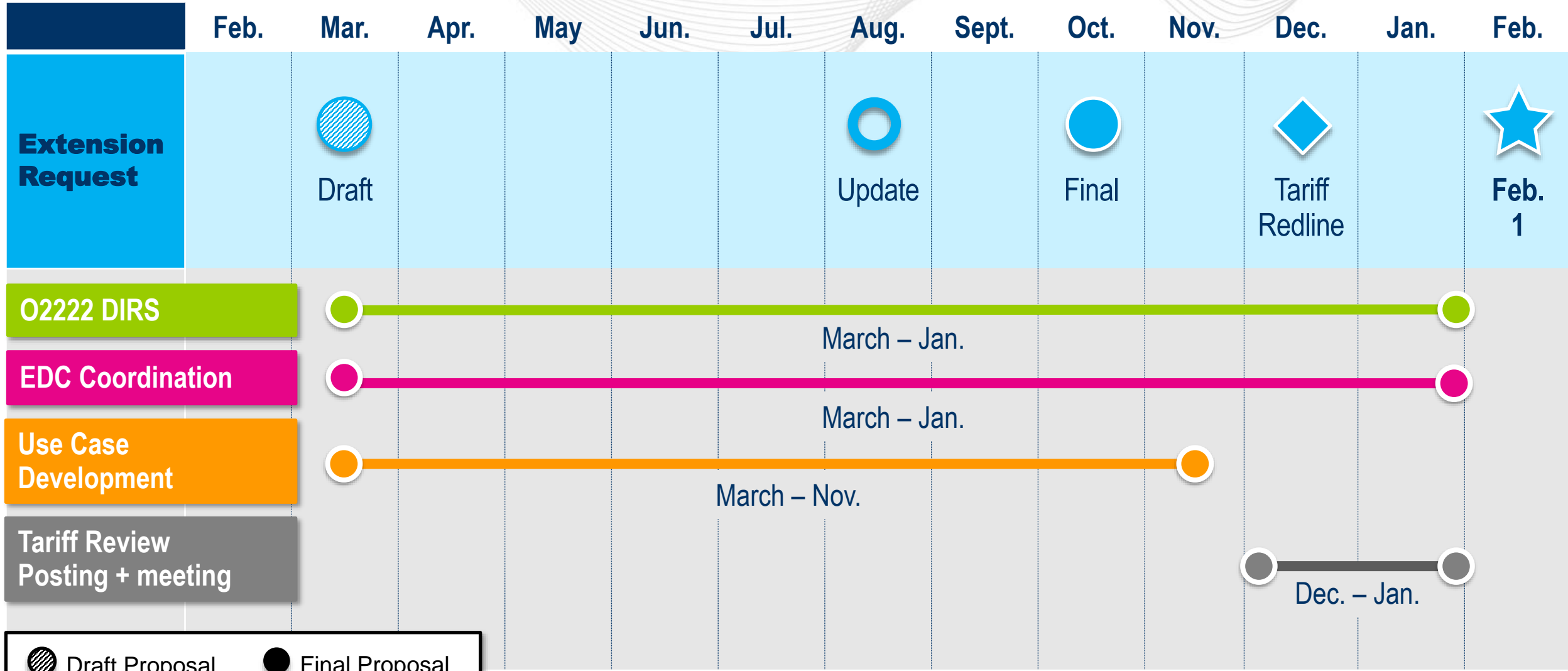
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Appendix

- Allow DER aggregations to participate directly in RTO/ISO markets, and establish DER aggregators as a type of market participant (130);
- Allow DER aggregators to register DER aggregations under one or more participation models that accommodate the physical and operational characteristics of the DER aggregations (130);
- Establish a minimum size requirement for DER aggregations that does not exceed 100 kW (171);
- Establish locational requirements for DER aggregations that are as geographically broad as technically feasible (204);
- Address distribution factors and bidding parameters for DER aggregations (225);

- Address information and data requirements for DER aggregations (236);
- Address metering and telemetry hardware and software requirements for DER aggregations (262);
- Address coordination between the RTO/ISO, the DER aggregator, the distribution utility, and the relevant electric retail regulatory authorities ("RERRA") (278);
- Address modifications to the list of resources in a DER aggregation (335);
and
- Address market participation agreements for DER aggregators via adoption of a standard market participation agreement for DER aggregations (352).



- Draft Proposal
- Update Proposal
- Final Proposal
- Filed

DERA Jurisdiction & Interconnection

1. Interconnection
2. Market Participation Agreements
3. Opt-in for Small Utilities

Operations

1. Locational Requirements
2. Distribution Factors
3. Telemetry
4. Operational Needs

Market Design

1. Market Participation Model
2. Type of Technology (Homogenous / Heterogeneous)
3. Bidding Parameters
4. Min./Max. Size Requirements

Settlements

1. Metering Configuration
2. Settlement requirements
3. Double Counting Services
4. Use case development

Coordination

1. DER Registration
2. EDC Coordination
3. Modification to List of Resources