

MRC Charge to OC
Maximum Notification and Startup Times for Capacity Units

Overview

- MRC was presented with a problem statement at the January MRC meeting
- OC charged with determining the operational / reliability requirements (only)
- Timeline is complete in February OC and March OC meeting timeframes
- Take to MIC as operational requirement 3/17 or 4/12
- MIC will tackle market issues associated with operational requirements

Approach:

- Use GAST M34 process to:
 - Problem Investigation
 - Review charter and charge explicitly w/ group including purpose, goal (single recommendation or multiple options), problem statement, deliverables, and deadlines
 - Educate and perform joint fact finding
 - Clarify/describe existing operations, procedures, policies, etc., related to the problem
 - Interest identification and exploration
 - Ask participants why/how the issue/topic is important to their organization (or not)
 - PJM should indicate if it has significant interests related to issue, what they are and why
 - IMM should indicate if it has significant interests related to issue, what they are and why
 - Refine evaluation criteria developed earlier to account for key interests surfaced during discussions
 - Identify proposal requirements (components) and potential options
 - Package options into comprehensive solutions

Timeline:

MRC Charge – January 19 – 10 am

OC Meeting – February 15 – 9:30 am

OC Conference Call – March 1 – 2 pm

OC Conference Call – March 4 – 2 pm

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OC Conference Call – March 11 – 1:30 pm

OC Meeting – March 15 – 9:30 am

Proposal Development:

Consensus Design Criteria (or Component)	Consensus Importance	Brainstorm Potential Component Solutions							Notes	
		A	B	C	D	E	F	G		
1 Maximum Startup Times	Medium	Tied to physical characteristics of the unit	Defined by unit class	Defined for each individual unit	Cold / Hot / Medium Startup based on how unit is layed up	Maximum COLD Start / best estimate	Needs to accommodate multi unit starts at a single plant.		Allow updates to changes in physical characteristics	1-C,E,F
2 Maximum Notification Times	High	use markets database definition	Needs to accommodate multi unit starts at a single plant.	Retirements - affected by announcements or plan to announce	staffing issues (labor unions, holidays) includes fuel scheduling issues	at the end of this "phase" ready to start startup sequence	resource limited	Cold / Hot / Medium Startup based on how unit is layed up	market tool changes required; economically; at the end of this "phase" ready to start startup sequence; Must look out at least 4-5 days (through the weekend); generators need to be able to manage base load design units on a 7 day basis	2-C,D
3 "Exception" "Notice of Extended Notification"	Medium		applies to notification times	exception based - PJM approval	Notification based (not exception)	at the end of this "phase" ready to start startup sequence	coming back from outages - blanket exception			3-D
4 Alerts For Readiness	High	Takes units from exception status			Zonal		can be sub zonal		Should target specific units based on economic value; are alerts private or public	4-F
5 Total MAX Startup & Notification Time (not to exceed)	Low		6 days notice prior to operating day		7 Documented Approved Exception?				Discussion of 2 different types of cases at the extreme end of the exceptions; anything greater has a potential consequence or exception - who approves	5-B,D
6 Scheduling Tool Changes to accommodate rule change*	High	Must look out at least 7 days (through the weekend)	Must Make Choice to Move Units with long notifications to a readiness state		Must look out at least 4-5 days (through the weekend)				NOTE - May not be a component; capture local or transmission outage issues; Must Make Economic Choice to Move Units with long notifications to a readiness state;	6-B

No Decision Criteria are developed, as individuals will defer on the valuation (as to which potential component is better and Consensus Packaged Solution is: 1-C,E,F + 2-C,D + 3-D + 4-F + 5-B,D + 6-B
 Principal applies to non-consensus decisions (Tier 2), with another package selected as an alternate:

Key:

Yellow – Consensus Proposal

Blue – attributes of the requirement / component

White – option – not selected

Proposal:

- Maximum Startup Times - Tied to physical characteristics of the unit:
 - Defined for each individual unit
 - Maximum COLD Start / best estimate
 - Needs to accommodate multi unit starts at a single plant
 - NOTE - Allow updates to changes in physical characteristics

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- Maximum Notification Times - use markets database definition; staffing issues (labor unions, holidays) includes fuel scheduling issues; at the end of this "phase" ready to start startup sequence
 - Needs to accommodate multi unit starts at a single plant.
 - Retirements - affected by announcements or plan to announce
 - NOTE: market tool changes required; economically; tools need to look out at least 4-5 days (through the weekend); generators need to be able to manage base load design units on a 7 day basis
- Notice of Extended Notification - applies to notification times; at the end of this "phase" ready to be at Maximum Notification sequence; coming back from outages - blanket exception
 - Notification based (not exception)
 - NOTE: Formerly referred to as exception "Exception"
- Alerts For Readiness - Takes units from exception status back to Maximum Notification times; zonal implementation
 - can be sub zonal
 - NOTE: Should target specific units based on economic value; are alerts private or public
- Total MAX Startup & Notification Time (not to exceed) –
 - 6 days notice prior to operating day
 - Documented Approved Exception
 - NOTE: Discussion of 2 different types of cases at the extreme end of the exceptions; anything greater has a potential consequence or exception - who approves
- Scheduling Tool Changes to accommodate rule change
 - Must Make Choice to Move Units with long notifications to a readiness state
 - NOTE - May not be a component; capture local or transmission outage issues; Must Make Economic Choice to Move Units with long notifications to a readiness state