Dispatch Interactive Map Application Situational Awareness Tool
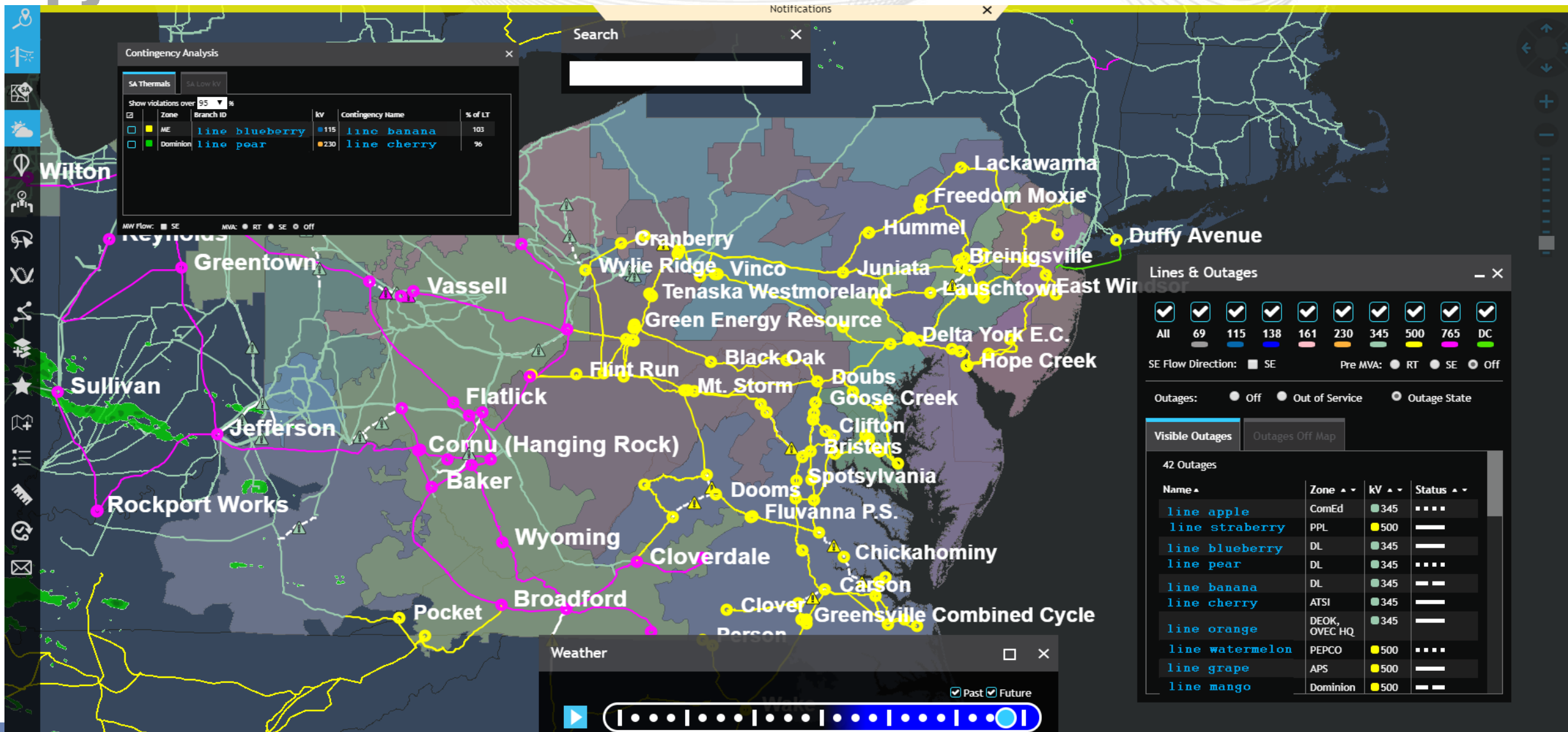
OA First Read

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Markets and Reliability Committee
August 20, 2020

1. Education: Dispatch Interactive Map Application (DIMA)

2. Why DIMA for TO's?

3. Stakeholder Process & Implementation Timelines
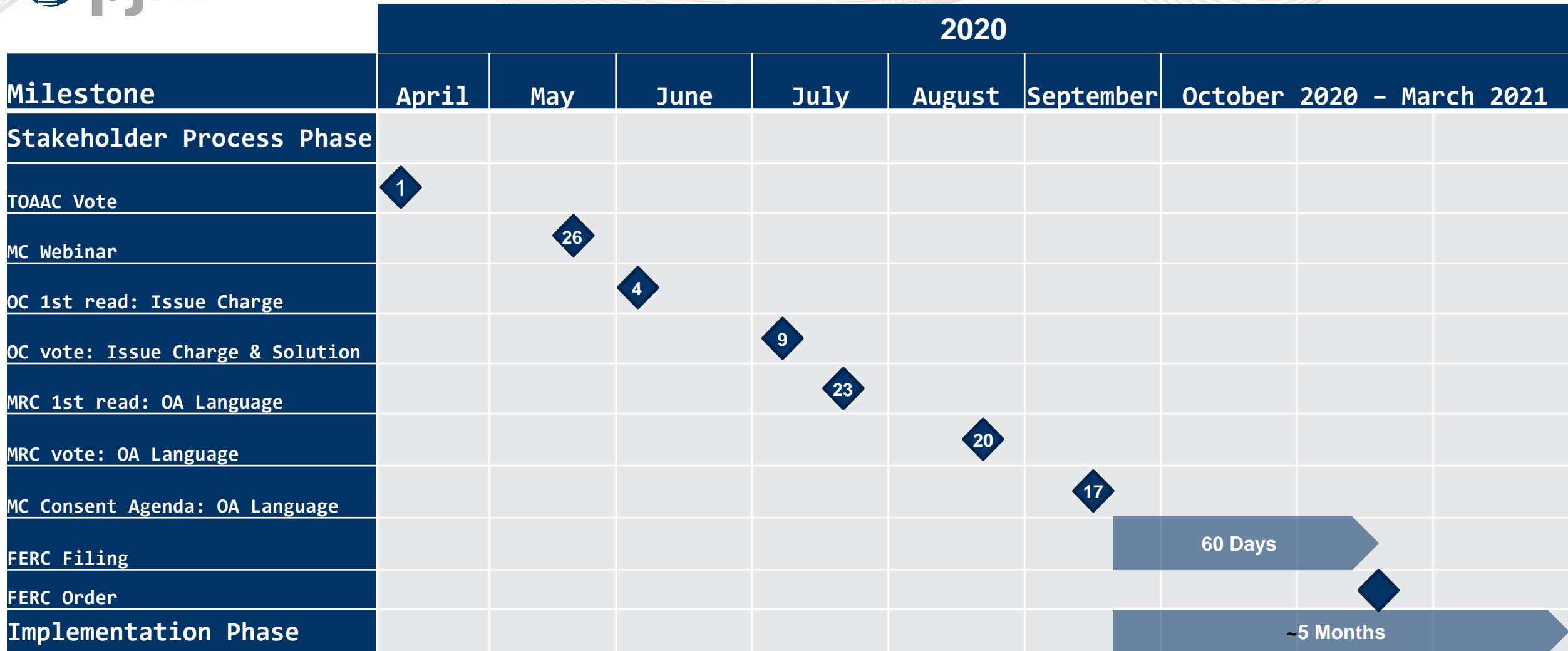
4. OA Revisions

- Originally implemented in 2014 for PJM dispatchers

- PJM continues to invest annually in new features and functionality

- Paradigm shift from tabular to geospatial views

- Allows the user to layer relevant data

- Intuitive interface

- Read only – no grid control

- Supplemental to PJM EMS, eDART, and other systems

- Purpose is to improve situational awareness with access to information at a glance

- DIMA Transmission Lines and Substation Locations

- Transmission Line Status and eDART Tickets

- Contingencies: SA Thermals

- Real Time EMS Data

- Syncrophasors

- Natural Gas

- Weather Overlays

- Critical and Black Start Units

- Intuitive Search

- Other Usability Features

- Started because several TO's requested access to DIMA

- Purpose is to provide participating TO's enhanced situational awareness tools

- A visualization tool with the same EMS restrictions

- A Geospatial solution allowing the user to layer relevant operational information

- Provides the user with real time grid status at a glance

Milestone	April	May	June	July	August	September	October 2020 – March 2021		
2020									
Stakeholder Process Phase									
TOAAC Vote	1								
MC Webinar		26							
OC 1st read: Issue Charge			4						
OC vote: Issue Charge & Solution				9					
MRC 1st read: OA Language				23					
MRC vote: OA Language					20				
MC Consent Agenda: OA Language						17			
FERC Filing							60 Days		
FERC Order								◆	
Implementation Phase							~5 Months		

Milestone	2020				2021	
	Sept	October	November	December	January	Feb +
Implementation Phase						
Purchase licenses	◆					
Implement internal infrastructure						
Implement external infrastructure						
Develop code						
Testing (Unit, Integration, Regression)						
Deploy code Stage / Production						
Implement single sign on						
Perform penetration testing						
Update code to meet security requirements						
Rollout						
Conduct Customer Testing						
Conduct Customer Training						

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Dispatch Interactive Map Application (DIMA) Situational Awareness Tool

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