

Dispatch Interactive Map Application Situational Awareness Tool

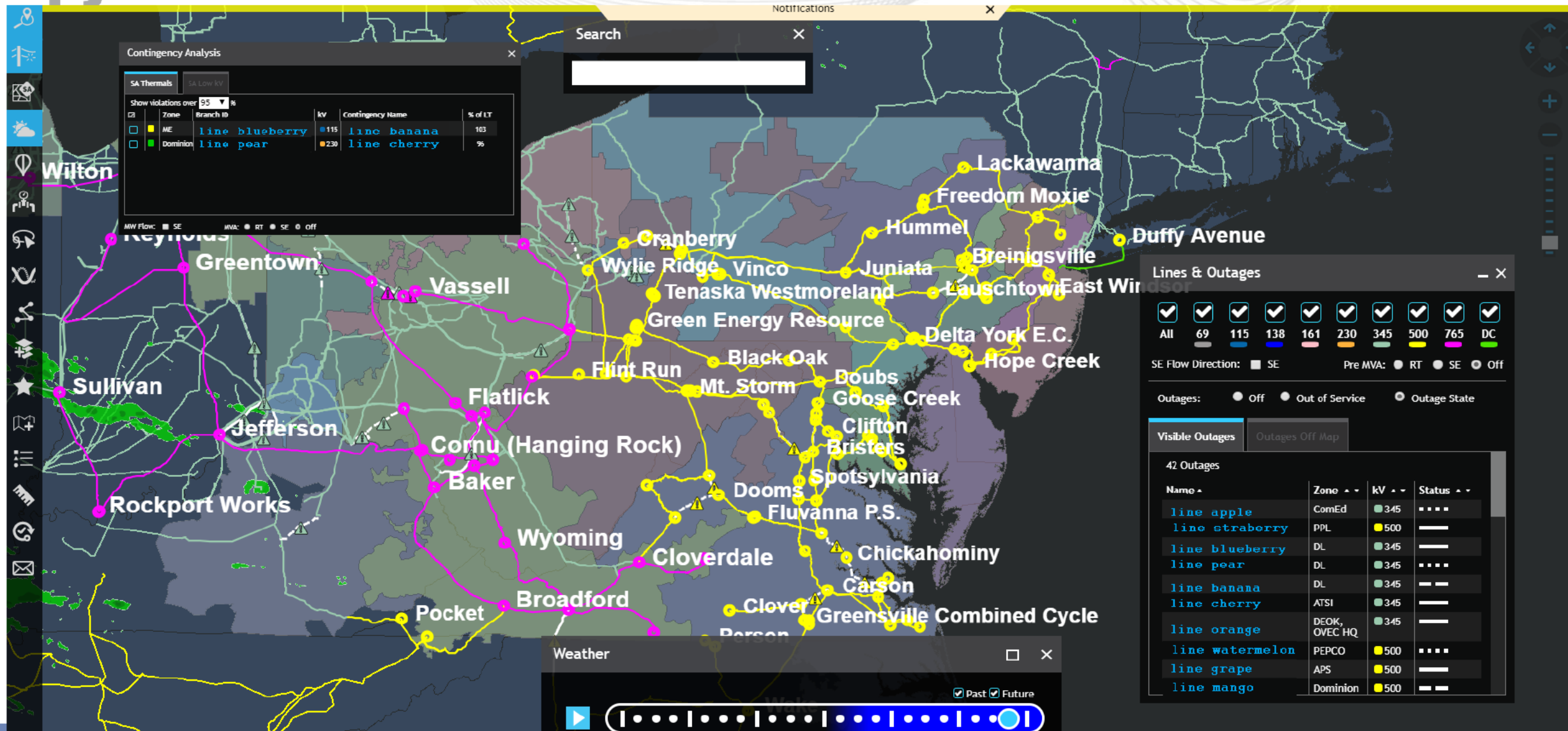
OA First Read

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Markets and Reliability Committee

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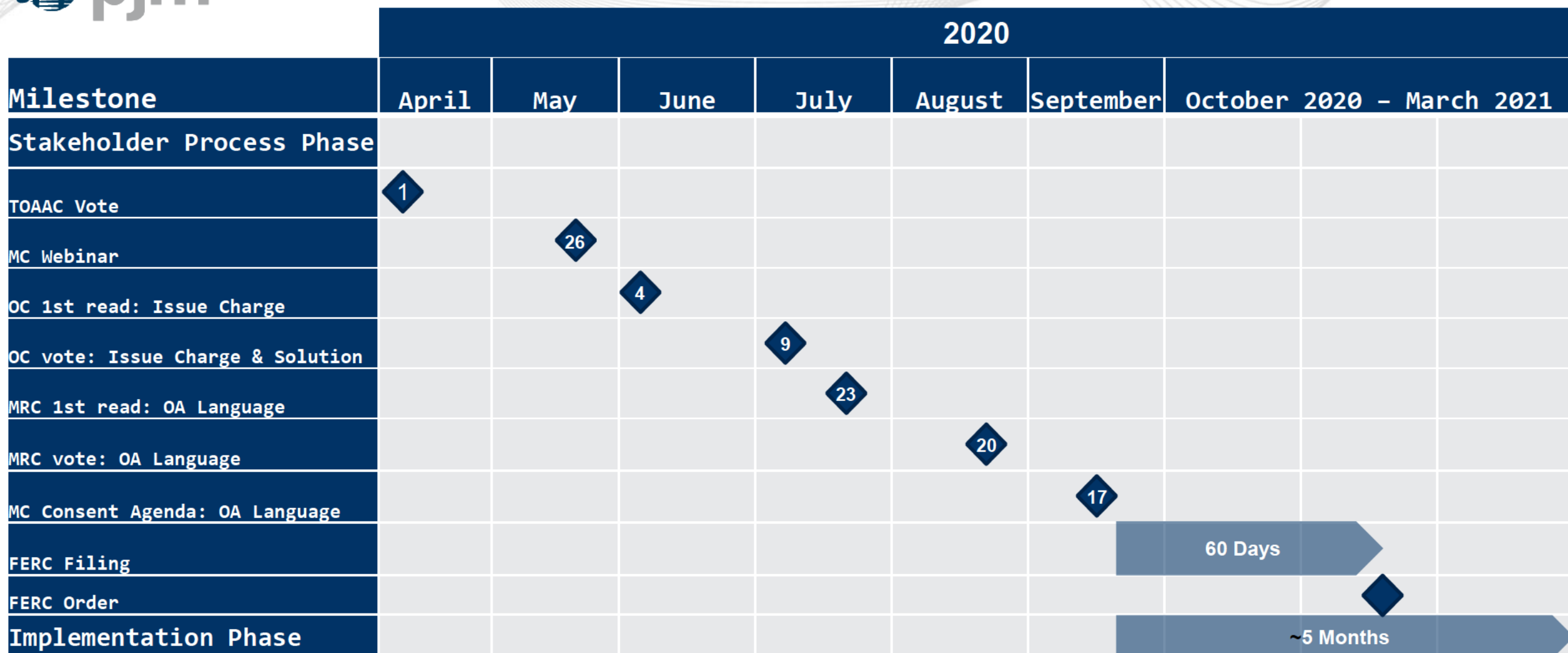
1. Education: Dispatch Interactive Map Application (DIMA)
2. Why DIMA for TO's?
3. Stakeholder Process & Implementation Timelines
4. OA Revisions



- 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



	2020				2021	
Milestone	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**

A green speech bubble containing a large black question mark, positioned above a blue speech bubble with three horizontal lines, suggesting a question or contact point.

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