

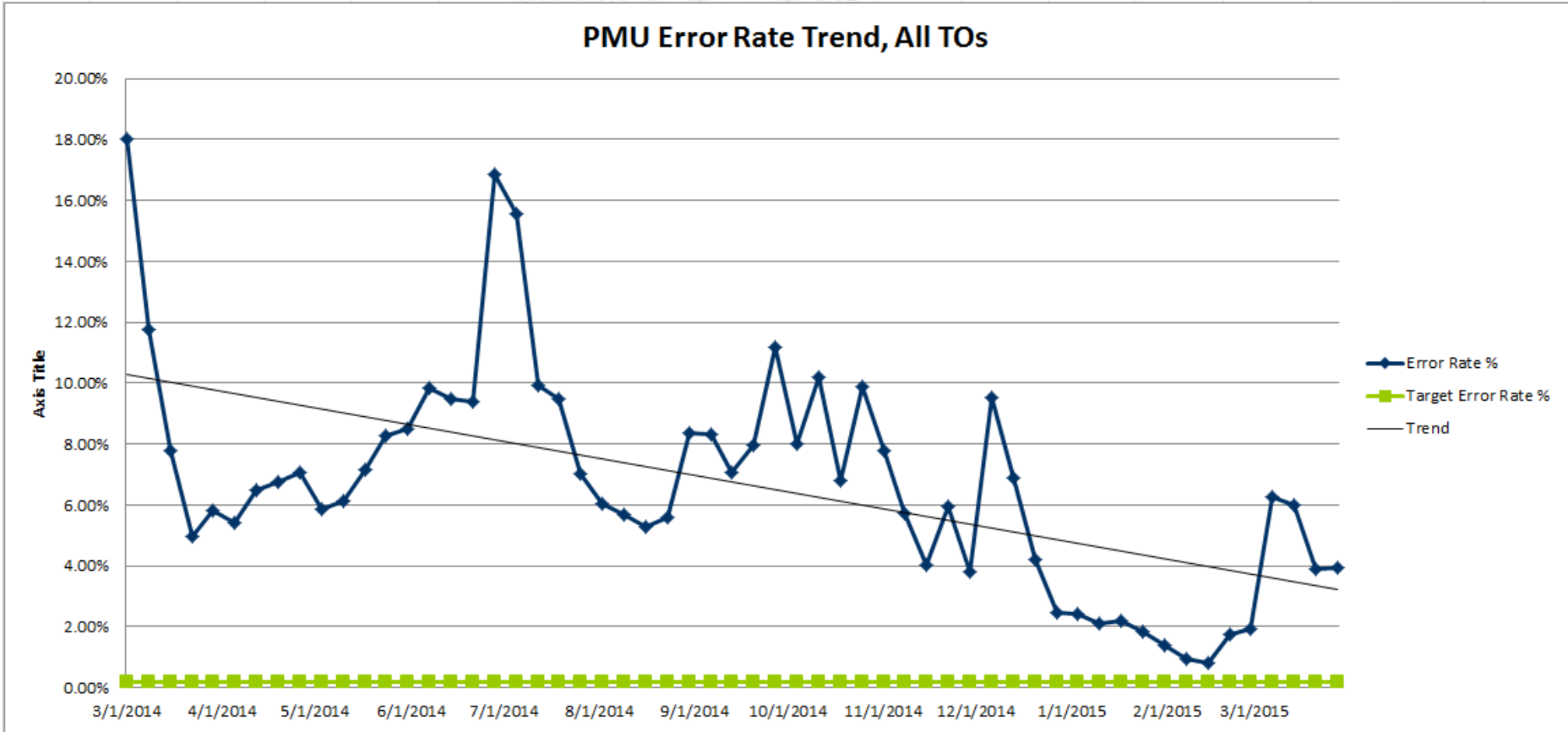
# Synchrophasors Update

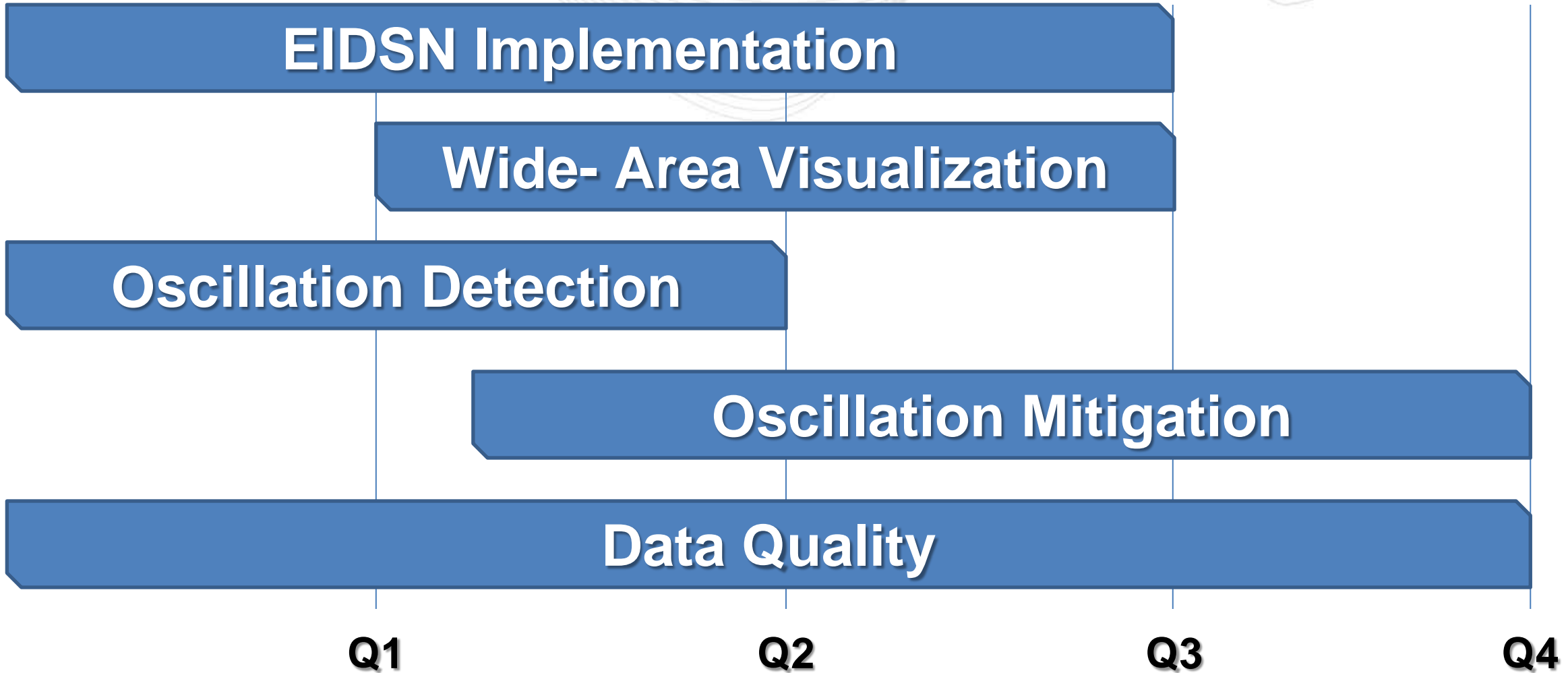
TOA-AC: April 7, 2015

Chantal Hendrzak

Executive Director, Operations Support

PJM Interconnection, LLC





Goal Item	Goal Summary	Status
EIDSN Implementation	Implement a new Eastern Interconnection Data Sharing Network (EINet) to replace the existing NERCnet Network	PJM has begun to schedule dates for installations with our service providers to install the circuits and other hardware received. The team anticipates installation and configuration will be completed before the end of April.

Goal Item	Goal Summary	Status
Oscillation Detection	Improve Oscillation Detection and Monitoring algorithm within Real-Time Dynamic Monitoring System [RTDMS]	PJM has implemented & configured the new Oscillation Detection and Monitoring algorithm in Stage. Testing has begun.
Data Quality	Implement an enhanced real-time Phasor data quality conditioning application. Evaluate the Linear State Estimator.	PJM is working with our vendor to implement a data conditioning tool. The in-house developed Linear State Estimator is also being evaluated for data conditioning.



# PJM Compliance Bulletin

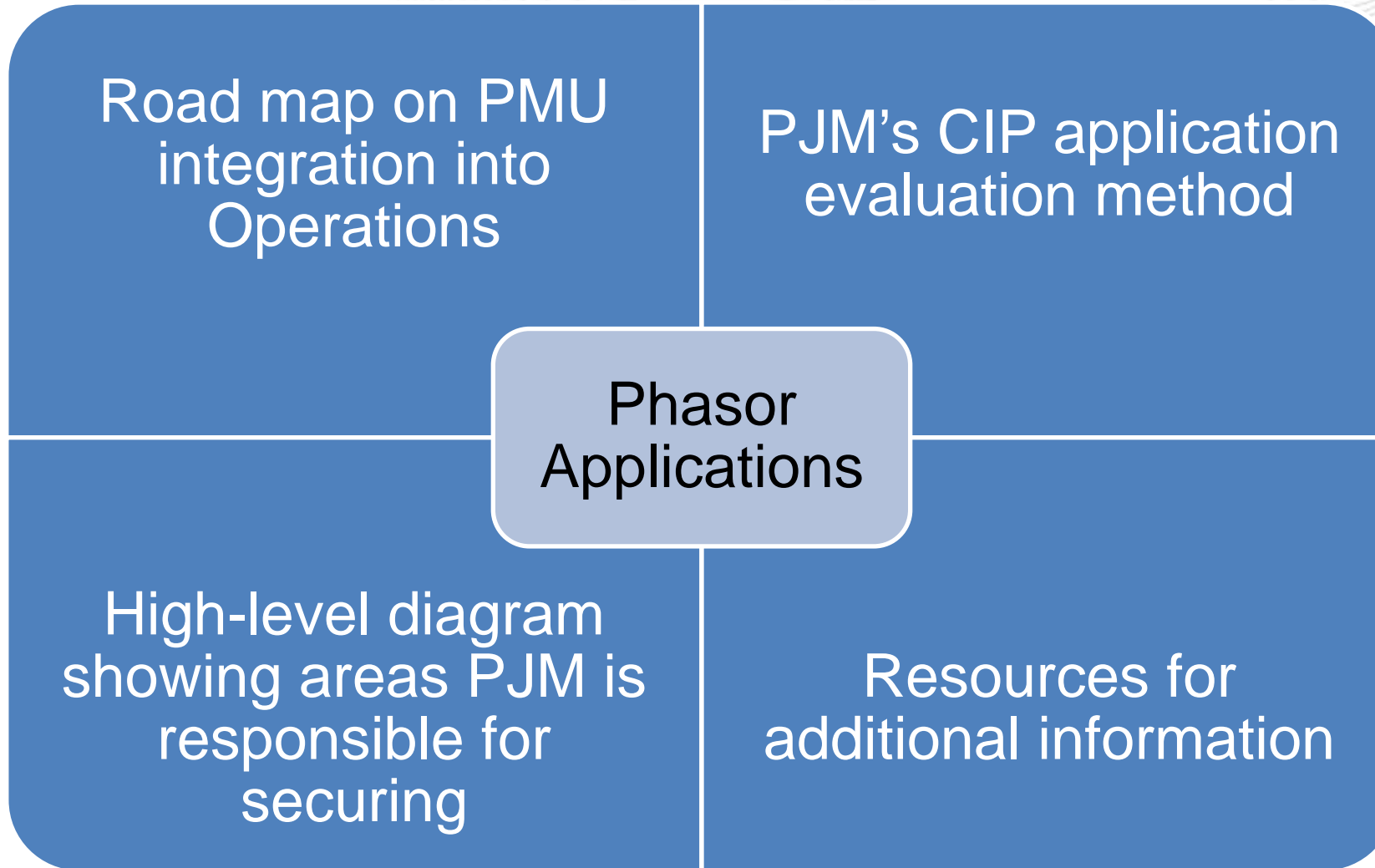
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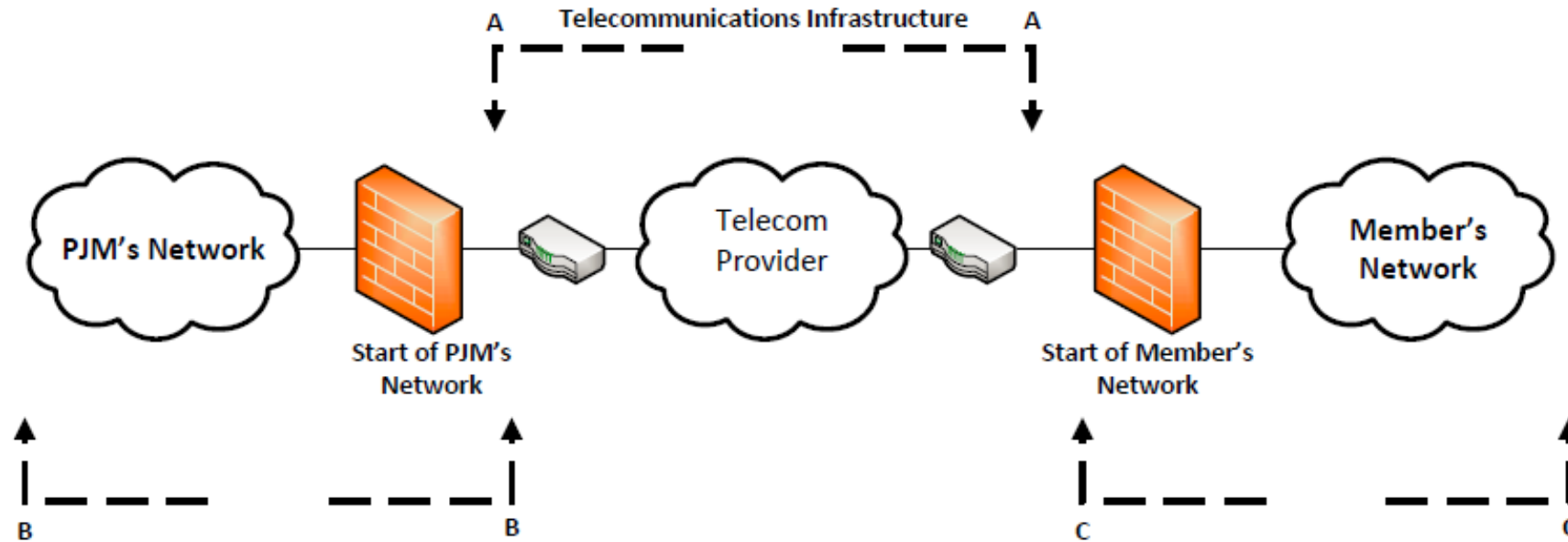
*CB019 NERC CIP002-5.1 R1: CIP Assessment of Phasor Measurement Units*

## Purpose

The purpose of this Compliance Bulletin is to provide Transmission Owners and Generation Owners that own Phasor Measurement Units guidance regarding PJM's role in determining if these PMU assets are Critical Infrastructure Protection (CIP) critical.

- *Once final, to be shared with stakeholders:*
  - Phasor Data Quality Task Force
  - System Information Subcommittee
  - Operations Committee
  - Reliability Standards & Compliance Subcommittee
  - System Operations Subcommittee
  - TOA-AC





### Key

- A. Telecommunications Infrastructure including PJM and member border equipment. This equipment is excluded from CIP as recommended by FERC Order 761, page 81 (<http://www.ferc.gov/whats-new/comm-meet/2013/112113/E-2.pdf>)
- B. PJM's Electronic Security Perimeter. This area contains the servers that consume data sent from the member over the telecom link.
- C. Member's Electronic Security Perimeter. This area (presumably) contains servers and equipment that send telemetry data to PJM.

In this diagram: A is not in scope for the CIP requirements. PJM is responsible for evaluating, implementing and maintaining compliance for B. The respective member companies are responsible for evaluating, implementing and maintaining compliance for C.