PJM Synchrophasor Project Update

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Operating Committee

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Agenda

2022 Application Updates

- Automated Generator Model Validation (AGMV)
- Eastern Interconnection Situational Awareness Monitoring System (ESAMS)

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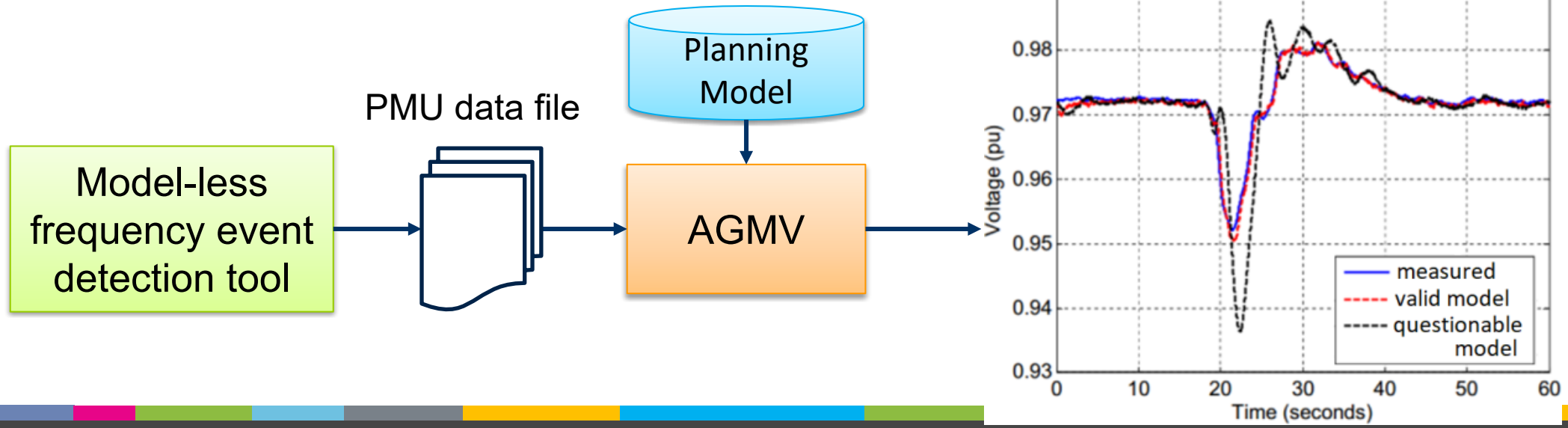
Automated Generator Model Validation (AGMV)

PJM Planning Study	NERC standard MOD 032/033 – PJM uses a manual process for generator dynamic model validation using Synchrophasor data.
Model-less frequency event detection tool	Detect, triangulate and estimate the amplitude of generator, line and load center trips.
AGMV	• Improve process consistency • Build a library of model validation events for each monitored generator.



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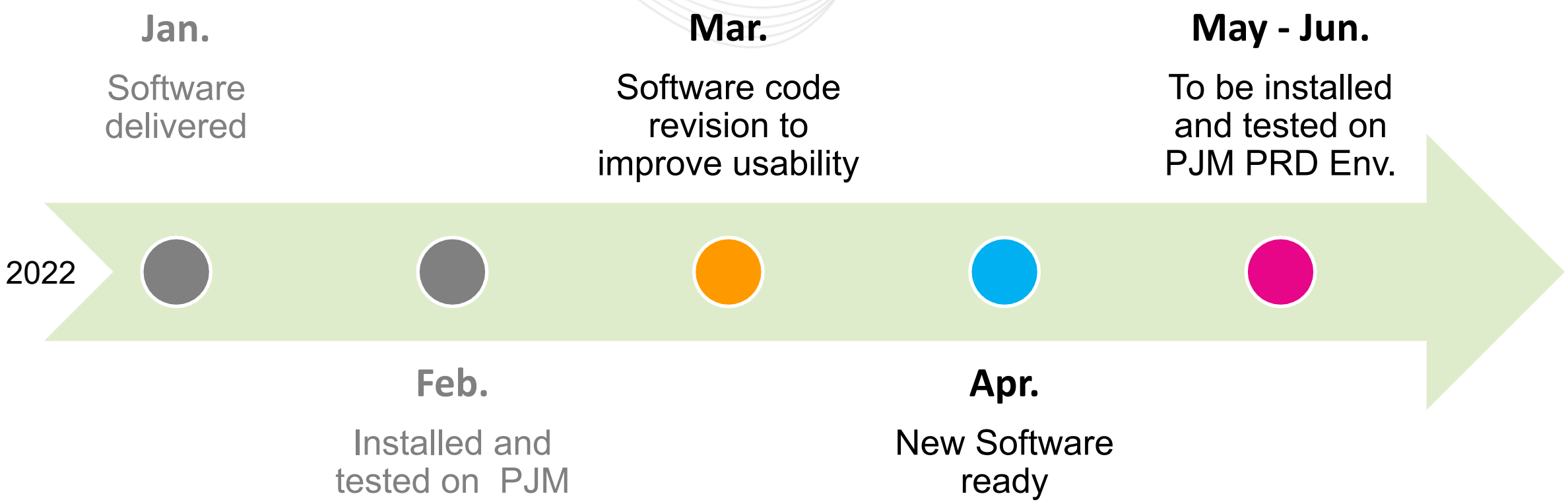
AGMV (Cont.)



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Eastern Interconnection Situational Awareness Monitoring System (ESAMS)

Purpose

- To detect and identify wide-area forced and natural oscillations across Eastern Interconnection.

Status

- Finished field demonstration Mar. 2022.
- Daily summary and near real-time reports sent to ESAMS contributors.

Next Step

- Transition period: Apr.-Sep. 2022
- To discuss with EIDSN for future plan.

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