

# Regulatory compliance reporting

This workflow automatically collects operational data from multiple systems, validates compliance metrics against regulatory requirements, and generates standardized reports for utility commissions. It reduces manual effort and ensures timely submission of accurate regulatory filings.

Download PDF

Get Your Blueprint

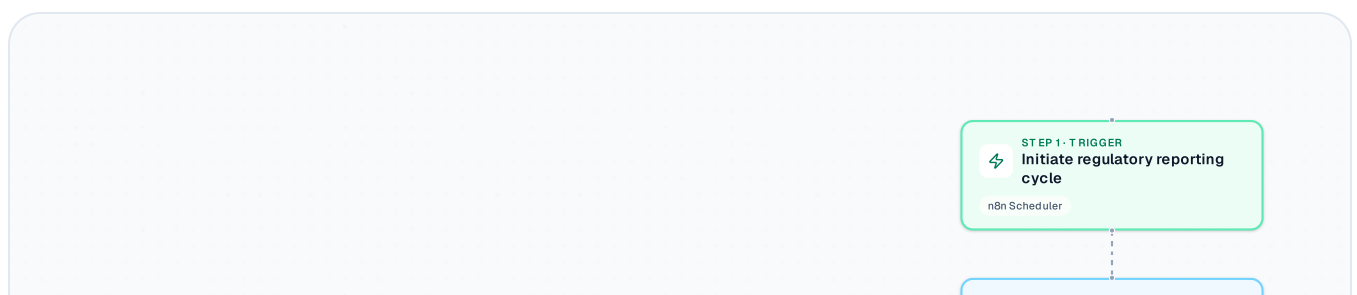


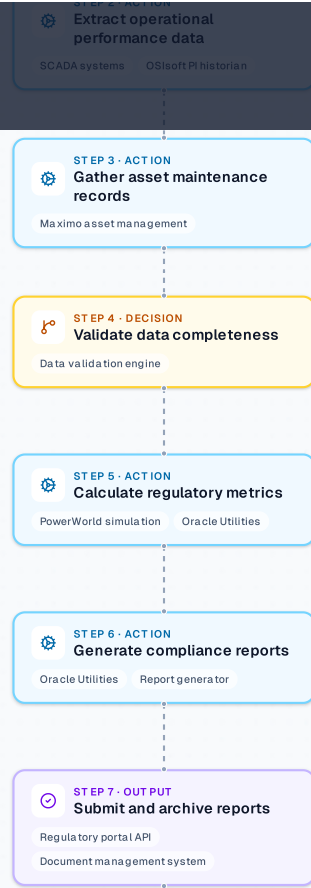
## WORKFLOW TRIGGER

Monthly regulatory reporting deadline approaches (7 days before due date)

## Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





## Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

### Initiate regulatory reporting cycle

Automated scheduler triggers the compliance reporting workflow based on predefined regulatory calendar dates. System begins data collection process for required metrics.

2

 ACTION

### Extract operational performance data

Pulls historical operational data including outage duration, customer minutes interrupted, and system reliability metrics from SCADA and historian systems. Data covers the required reporting period.

SCADA systems

OSIsoft PI historian

3

 ACTION

### Gather asset maintenance records

Retrieves maintenance activities, equipment inspections, and asset performance data from the enterprise asset management system. Compiles maintenance compliance metrics for regulatory review.

Maximo asset management

4

 DECISION

### Validate data completeness

Checks if all required data fields are present and within acceptable quality thresholds. Routes to data remediation if gaps are identified or continues to report generation if complete.

Data validation engine

5

 ACTION

### Calculate regulatory metrics

Computes SAIDI, SAIFI, reliability indices, and other mandated performance indicators using standardized formulas. Cross-references results against regulatory benchmarks and historical trends.

PowerWorld simulation

Oracle Utilities

6

 ACTION

## Generate compliance reports

Creates formatted regulatory reports with required metrics, charts, and explanatory text. Populates standard regulatory forms and prepares submission packages in required formats.

Oracle Utilities

Report generator

7

 OUTPUT

## Submit and archive reports

Automatically submits completed reports to regulatory portals and archives copies in document management system. Sends confirmation notifications to compliance team.

Regulatory portal API

Document management system



## Outputs

- SAIDI/SAIFI reliability reports

- Asset maintenance compliance summaries

## AI Business OS

- Regulatory submission confirmations



### Key Metrics

- Report submission timeliness
- Data accuracy percentage
- Manual intervention rate



### Tools & Integrations

- n8n Scheduler
- SCADA systems
- OSIsoft PI historian
- Maximo asset management
- Data validation engine
- PowerWorld simulation
- Oracle Utilities
- Report generator
- Regulatory portal API
- Document management system

## AI Business OS

## AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

### COMPANY

[About](#)

[Industries](#)

### CONNECT

[MVP.dev](#)

[LinkedIn](#)

### RESOURCES

[Articles](#)

