



FlexNet for Operators (Gas)

RNI 4.3 RELEASE

METHOD

- Instructor-led class (customer's site)
- eLearning

PREREQUISITES

- FlexNet Introductory Series

AUDIENCE

- FlexNet Operators

DURATION

- 1 day

RESOURCES

- sensus-training.com
- My Sensus
- education@xylem.com
- 1-800-638-3748

WHAT'S NEXT

- FlexNet for Administrators
- Sensus Analytics

OVERVIEW

Provides guidance and instruction to new customers in the operator role of water utilities, on performing daily monitoring and maintenance tasks for a FlexNet® communication network, including meters, base stations, and RNI system components, when used in an Advanced Metering Infrastructure (AMI) environment.

CONTENT SUMMARY:

Monitoring Overview

- List the three key areas of the monitoring process in the recommended order of performance.
- Describe the kinds of tasks performed during each of the three key areas of the monitoring process.

Monitoring Network Performance

Billing Read Performance

- Monitor the daily billing read success rate to determine if endpoints are sending reads as expected.
- Monitor the monthly billing read success rate to determine if endpoints are communicating reads successfully over the previous rolling 30 day period.
- Differentiate between a successful and unsuccessful performance score.
- Describe the process to follow when performance is poor.

Read Interval Performance

- Monitor the daily billing success rate of read interval performance to determine how well the network is receiving read intervals from endpoints.
- Monitor the monthly success rate of read interval performance to determine how well the network is receiving read intervals from endpoints over the previous 30 day period.



CONTENT SUMMARY CONTINUED

Read Interval Performance continued

- Differentiate between a successful and unsuccessful performance score.
- Describe the process to follow when performance is poor.

Network Performance

- Monitor the daily success rate of read throughput to determine how successful the network is at passing read messages from endpoints to the Regional Network Interface (RNI).
- Monitor the monthly success rate of read throughput to determine how successful the network is at passing read messages from endpoints to the RNI over the previous 30 day period.
- Differentiate between a successful and unsuccessful performance score.
- Describe the process to follow when performance is poor.

Network Device Performance

- Monitor the operational status of the backhaul.
- Monitor base stations and collectors for transmission latency.
- Monitor the online status of base stations and collectors.
- Monitor the online status of repeaters.
- Describe the process to follow for poor operational status.

Monitoring RNI Operation

- Verify scheduled jobs are running as expected.

Monitoring Meter Gas Operation

Monitoring Meter Status

- Determine the endpoint state of a meter / SmartPoint module
- Determine if a meter has missing or incorrect configuration or manufacturing information.
- Determine if a meter is in the RMA process.
- Determine if a meter read has been quarantined.
- Determine which meters are missing reads.
- Identify potential causes of missed reads.

Monitoring Meter Alerts

- Identify where to find alert information in Device Manager.
- Use DM to find alerts related to battery power issues, meter operation, or resource usage.