

FLEXNET FOR OPERATORS (GAS)

RNI 4.1 RELEASE FOR NEW CUSTOMERS



OVERVIEW

Provides guidance and instruction to new customers in the operator role of gas 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.

METHOD

- Instructor-led class
- eLearning

PREREQUISITES

FlexNet Introductory Series

CLASS MATERIALS

FlexNet Manual for Administrators

WHO SHOULD ATTEND

FlexNet Operators

DURATION

One day

LOCATION

- Customer site
- sensusmartstart.com

ADDITIONAL EDUCATION

- FlexNet for Administrators
- Logic Data Analytics
- Sensus Analytics

CONTENT SUMMARY

MODULE 1: MONITORING OVERVIEW

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

MODULE 2: MONITORING OVERALL READ/ NETWORK PERFORMANCE

- Identify and use selected network statistics to evaluate the read performance of the network.
- Determine the overall throughput of the network.
- Identify trends in read performance and throughput.
- Identify alerts that can indicate issues that impact read performance in the network.

MODULE 3: MONITORING BASE STATIONS AND THE RF NETWORK

MONITORING FLEXNET BASE STATIONS

- Verify a base station is powered up and online.
- View alarms for a selected base station.
- View a summary of alarms received for all base stations in the last 24 hours.

MONITORING BASE STATION RF COMMUNICATIONS

- Determine if the volume of messages handled by a base station is remaining constant over time.
- Evaluate the potential impact of idle noise in the network, signal strength, and SNR on RF communications.

MODULE 4: MONITORING RNI OPERATION

- Verify scheduled jobs are running as expected.

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CONTENT SUMMARY (CONTINUED)

MODULE 5: MONITORING GAS METER 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 notifications in Gas Device Manager.
- Use DM to find alerts related to battery power issues, meter operation, or resource usage.

FOR MORE INFORMATION

Contact the Sensus Education and Training Department at education@sensus.com or visit us online at www.sensusmartstart.com