

# FLEXNET FOR OPERATORS (WATER)

RNI 4.1 RELEASE FOR NEW CUSTOMERS



## 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.

### 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

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### 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)

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### MODULE 5: MONITORING WATER 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 Water Device Manager.
- Use DM to find alerts related to battery power issues, meter operation, or resource usage.
- Access the Leak Report to identify meters experiencing leak alerts.

#### FOR MORE INFORMATION

Contact the Sensus Education and Training Department at [education@sensus.com](mailto:education@sensus.com) or visit us online at [www.sensusmartstart.com](http://www.sensusmartstart.com)