

# Transitioning from FlexWare to Sensus Launch Pad

For Water Utilities with RNI 3.3.x systems



## DESCRIPTION

*This document aids RNI system operators and administrators in migrating their device management processes to the Sensus Launch Pad applications. It provides instructions on where to access device information, including read data, alerts and reports in the new applications as compared to the current application.*

## SENSUS LAUNCH PAD

One landing page which provides access to the Sensus suite of applications: (Figure 1):

- Water Device Manager (DM)
- Firmware Download (FWDL)
- System Administration
- CommStats
- RNI Interface (FlexWare)

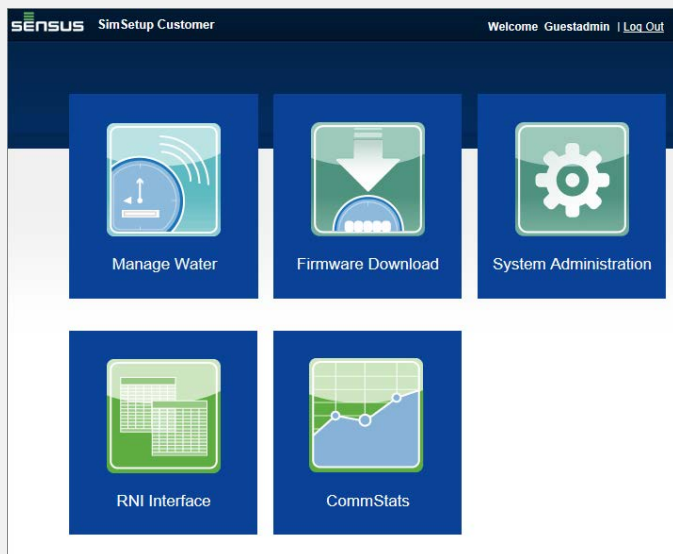


FIGURE 1: SENSUS LAUNCH PAD

## ABOUT THIS DOCUMENT

The content of this document displays tasks in table format, grouped as follows:

- Water Device Manager application
  - Operations: monitoring devices
  - Administration: managing and configuring devices
  - Provisioning: modifying configuration of devices
- System Administration application
- Firmware Download application
- CommStats application

Each table is divided into three columns; the **Task** being performed, where the task was performed in **FlexWare**, and where to perform the task in Sensus Launch Pad.

## CONVENTIONS IN THIS DOCUMENT

**Devices > Meters** Denotes a menu hierarchy, in this example choose the **Devices** menu and then the **Meters** tab

## FOR MORE INFORMATION

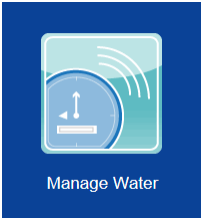
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## SECTION 1: WATER DEVICE MANAGER APPLICATION




### OPERATIONS

Device Manager is focused on two types of operational tasks: 1) monitoring FlexNet<sup>®</sup> device health and performance through read data, device status and communications, reporting and alert management, and 2) performing actions on devices to request data or enable/disable features.

### MONITOR READ AND COMMUNICATION DATA

Device Manager displays various read data types (device dependent) including, interval, demand, and register, as well as communication data; RIS, buddy and stale reads.

TABLE 1: VIEW DEVICE DATA

Task	FlexWare	Device Manager
<b>Reads</b>		
<b>Interval reads for a device</b>	Search for a device > IMIP > Summary > Chart or Table	Search for a device > Device Details > Read Data > Table and/or Chart
<b>Register reads on a device</b>	Search for a device > IMIP > Summary > Latest Readings	Search for a device > Device Details > Read Data > Table and/or Chart
<b>Latest readings</b>	Search for a device > IMIP – UI automatically notifies when new readings are available	Search for a device > Device Details > Refresh button 
<b>Demand Read</b>	Search for a device > IMIP > Commands > Perform Demand Read	Search for device > Actions > Get Data from Device > Get On The Glass Read
<b>Communications</b>		
<b>Communication Statistics for a device</b>	Search for device > IMIP > Status > Communications	Search for a device > Device Details > Communications
<b>Route Analyzer</b>		
<b>Access the Route Analyzer</b>	Search for a device > IMIP > Status > Route Analyzer	Search for a device > Device Details > Communications > Route Analyzer

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## VIEW REPORTS

Water Device Manager provides three simplified reports, Leak report (Hi Flow, Lo Flow and History options), Troubled Meter and Lifecycle, which present key data for monitoring and maintaining device health. It is recommended to review these reports on a regular basis to investigate potential device issues. Water DM also offers user-defined reporting created through filtering and sorting on Devices and Alerts lists. All reports are easily exported to comma separated value (csv) file.

TABLE 2: REPORTS

Task	FlexWare	Device Manager
<b>List of Meters with potential leaks</b>	Reports > Installed Meters Report > Filter by Alarms > Leak Detected	Reports > Leak Report [Hi Flow, Lo Flow, History]
<b>List of Installed Meters</b>	Reports > Installed Meters Report	Devices > Meters > Device List > Filter by Lifecycle State Installed
<b>List of communication statistics for installed meters</b>	Reports > Communications Statistics	Reports > Troubled Meter
<b>List of Alerts</b>	Reports > Event Log	Alerts Menu
<b>List of devices with encryption status</b>	Reports > Encryption Status	<i>Not available with this release. Encryption on an individual device can be viewed on the Device Details &gt; About This Device page.</i>
<b>List of devices with quarantined reads</b>	Reports > Quarantined Meters	Devices > Meters > Device List > Filter by Alert (type) Read Data Quarantine
<b>List of requests sent to a meter</b>	Reports > Two Way Log	System Intelligence > Today <ul style="list-style-type: none"> <li>➤ Scheduled Events</li> <li>➤ Event History</li> </ul>
<b>List of towers</b>	Reports > Towers	Devices > Base Stations
<b>List of batch jobs</b>	Reports > Show Batch Jobs	System Intelligence > Today <ul style="list-style-type: none"> <li>➤ Scheduled Events</li> <li>➤ Event History</li> </ul>
<b>List of meters with operational exceptions</b>	Unavailable	Reports > Report Views > Troubled Meter
<b>List of meters with lifecycle exceptions</b>	Unavailable	Reports > Report Views > Lifecycle

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## MANAGE DEVICE ALERTS

Alerts can be classified for category and severity, and notification can be configured via email for recipient and frequency.

TABLE 3: ALERTS

Task	FlexWare	Device Manager
<b>Current Alerts on a device</b>	Search for a device > IMIP > Summary > Alarms	Devices > (select a device) Device Details > Alerts tab
<b>Get Current Alerts on a device</b>	Search for a device > IMIP > Summary > Alarms > Refresh from Database	Devices > Meters (select a device) > Actions > Manage Alerts > Get Current Alerts
<b>Clear Alerts on a device</b>	Search for a device > IMIP > Configuration > Clear Alarms	Devices > Meters (select a device) > Actions > Manage Alerts > Clear Alerts
<b>Clear Alerts on multiple devices</b>	Unavailable	Alerts > Select devices > Actions > Manage Alerts > Clear Alerts
<b>Clear Quarantine Alerts on a device</b>	Reports > Quarantined Meters > Reset Quarantine	Devices > Meters (select a device) > Actions > Manage Alerts > Clear Quarantine Alerts
<b>Clear Quarantine Alerts on multiple devices</b>	Reports > Quarantined Meters > Reset Quarantine	Alerts > Filter Alert (Read Data Quarantine) > Actions > Manage Alerts > Clear
<b>Clear Metrology Alerts on a device</b>	Search for a device > IMIP > Configuration > Clear Alarms	Devices > Meters (select a device) > Actions > Manage Alerts > Clear Metrology Alerts
<b>Clear SmartPoint Alerts</b>	Search for a device > IMIP > Configuration > Clear Alarms	Devices > Meters (select a device) > Actions > Manage Alerts > Clear SmartPoint Alerts

## VIEW REQUESTS

Display events and actions applied to a device or events and actions across all devices in Device Manager.

TABLE 4: REQUESTS

Task	FlexWare	Device Manager
<b>View Event History on a device – Operator Role</b>	Search for a device > IMIP > Summary > Event History	Search for a Device > Device Details > History

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Task	FlexWare	Device Manager
<b>View Event History on a device – Admin Role</b>	Search for a device > IMIP > Summary > Event History	System Intelligence > Event History > Filter
<b>View a requested action in the Requests queue</b>	Search for a device > IMIP > Requests	Anywhere in DM > Recent Requests

## ADMINISTRATION

Water Device Manager provides the ability to manage device configuration, device grouping, and device lifecycle using actions. Actions vary according to device type and enabled features.

## MANAGE CONFIGURATION

Device Manager allows operators and administrators to set and/or modify configuration parameters and operational thresholds on a device.

TABLE 5: CONFIGURATION

Task	FlexWare	Device Manager
<b>Meter Configuration</b>		
<b>Update the latitude/longitude of a device</b>	Search for a device > IMIP > Configuration > GeoSpatial Coordinates	Search for a Device > Device Details > About this Device > Location > Edit Location
<b>Set the Endpoint ID</b>	Search for a device > IMIP > Configuration > Set Endpoint Id	Search for a Device > Device Details > [Radio Configuration] Advanced > [General Setup] Set (2-way only devices)
<b>Configure Radio General Setup</b>	Administration > (Meters) Reprogramming > Water	Search for a Device > Device Details > [Radio Configuration] Advanced > Set
<b>Modify the frequency settings*</b>	Administration > (Meters) Reprogramming > Water	Search for a Device > Device Details > [Radio Configuration] Advanced > Transmit  *This should NEVER be made without approval by Sensus.
<b>Update a meter Id</b>	Administration > (Meters) Reprogramming > General Setup > Meter Id	Device Details > About this Device > [Radio Configuration] Advanced > General Setup

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Task	FlexWare	Device Manager
<b>Tower Management</b>		
<b>Edit Base Station Information</b>	Administration > Towers	Device List > Base Stations

## MANAGE GROUPS AND TAGS

Device Manager allows the creation of groups of devices for a more focused display and analysis of the device data. Tags provide a temporary filtering capability.

TABLE 6: GROUPS AND TAGS

Task	FlexWare	Device Manager
<b>Groups</b>		
<b>Add a Device to a Group</b>	Administration > Meter Groups > Edit	Devices > Meters > (select a device) Actions > Group > Add Device
<b>Remove a Device from a Group</b>	Administration > Meter Groups > Edit	Devices > Meters > (select a device) Actions > Group > Remove
<b>Create a Meter group</b>	Administration > Meter Groups > Create Group	Groups > Meters > Create Meter Group
<b>Tags</b>		
<b>Add a tag to a device</b>	Unavailable	Devices > Meters (select a device) > Actions > Tag > Add device
<b>Remove a tag from a device</b>	Unavailable	Devices > Meters (select a device) > Actions > Tag > Remove device
<b>Create a tag</b>	Unavailable	System Settings > Manage Tags > Add Tag

## INVENTORY MANAGEMENT

Device Manager provides the ability to manage the lifecycle of FlexNet water devices.

TABLE 7: MANAGE LIFECYCLE

Task	FlexWare	Device Manager
<b>Delete a meter</b>	Tools > MDMIF > Delete	Devices > Meters (select a device) > Actions > Lifecycle > Remove device

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## PROVISIONING

Water Device Manager provides the functionality of initializing and modifying thresholds, setup and binding communications and meter encryption.

TABLE 8: PROVISIONING

Task	FlexWare	Device Manager
<b>Thresholds and Communication</b>		
<b>Provision a meter for binding</b>	Administration > [Meters] Reprogramming > General Setup > Meter Id > Commands > Binding Ping	Devices > Meters (select a device) > Actions > Provisioning > Binding
<b>Provision a meter for channel setup</b>	Administration > [Meters] Reprogramming > General Setup > Meter Id > Commands > Channel Setup Audit Ping	Devices > Meters (select a device) > Actions > Provisioning > Channel Setup
<b>Provision a meter for setup</b>	Administration > [Meters] Reprogramming > General Setup > Meter Id > Commands > Setup Ping	Devices > Meters (select a device) > Actions > Provisioning > Setup
<b>Provision a meter for meter information</b>	Unavailable	Devices > Meters (select a device) > Actions > Provisioning > Meter Information
<b>Encryption</b>		
<b>Enable Encryption on a device (Security)</b>	Search for a device > IMIP > Configuration > Security > Request Enable Encryption	Devices > Meters > Actions > Encryption > Enable
<b>Rotate (Encryption) Keys</b>	Tools > Select Endpoints > Rotate Keys	Devices > Meters > Actions > Encryption > Rotate Unique Key
<b>Suspend AES</b>	Tools > Select Endpoints > Suspend Encryption	Devices > Meters > Actions > Encryption > Suspend AES

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## SECTION 2: SYSTEM ADMINISTRATION APPLICATION



The System Administration application is used to configure parameter settings, network settings and manage users and passwords. The following tasks are performed using the System Administration application in Sensus Launch Pad.

**TABLE 9: SYSTEM ADMINISTRATION TASKS**

Task	FlexWare	System Administration
<b>Configuration</b>		
<b>Modify Configuration Settings</b>	Administration > Customer/Network Configuration	Configuration > Configuration
<b>Modify Customer Name/Description</b>	Administration > Customer/Network Configuration > Customers	Configuration > Customers
<b>Modify Network Information</b>	Administration > Customer/Network Configuration > Networks	Configuration > Networks
<b>Modify Sub-Network Information</b>	Administration > Customer/Network Configuration > Sub-Networks	Configuration > Sub-Networks
<b>Settings</b>		
<b>Modify Customer Information</b>	Administration > (Configuration) Settings	Settings > Customer Information
<b>Modify Server Information</b>	Administration > (Configuration) Settings	Settings > Servers
<b>View Server / Service Versions</b>	About FlexNet RNI	Settings > Services
<b>Users</b>		
<b>Add/Modify Users</b>	Administration > (Configuration) User Roles > Users	Users
<b>Add/Modify Roles</b>	Administration > (Configuration) User Roles > Roles	Users > Roles
<b>Modify Password Settings</b>	Administration > (Configuration) User Roles > Password Management	Users > Password Management



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## SECTION 3: FIRMWARE DOWNLOAD (FWDL) APPLICATION

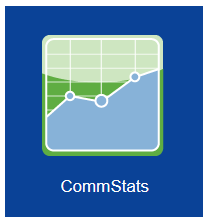


The Firmware Download application is used to perform an over-the-air firmware download on one or multiple water devices.

TABLE 10: WATER FWDL TASKS

Task	FlexWare	Firmware Download
<b>FWDL</b>		
<b>Perform a FWDL</b>	Tools > NA2W Firmware Download	NA2W FWDL <b>Note:</b> If you are a multi-service utility, the Electric FWDL icon also displays.

## SECTION 4: COMMSTATS APPLICATION



The CommStats application is used to manage the health of the RF network using charts and graphs. It is accessed through Sensus Launch Pad and operates on Internet Explorer™ version 9.

TABLE 11: COMMSTATS

Task	FlexWare	CommStats
<b>CommStats</b>		
<b>View System Graphs/Charts</b>	Diagnostics > CommStats	CommStats