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Process for Redeploying Seeker X and MCA III

For Units Returning from Service Centers

or

Moving between technicians

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Key Setup Steps

Upload Data from the MCA III to LAW-X

Configure the Seeker X using StrataSync via the MobileTech App

Synchronize the Seeker X with the MCA III using the Mobile Mount

Test Wi-Fi Connectivity of the MCA III with a Wireless Access Point

Erase Existing Data from the MCA III

Reset the Seeker X Meter ID in LAW-X

Upload Data from the MCA III to LAW-X

Use the button on the back of the MCA III to navigate to the **Upload Now?** screen as shown in the image below to force the upload of existing data from the MCA III to LAW-X.
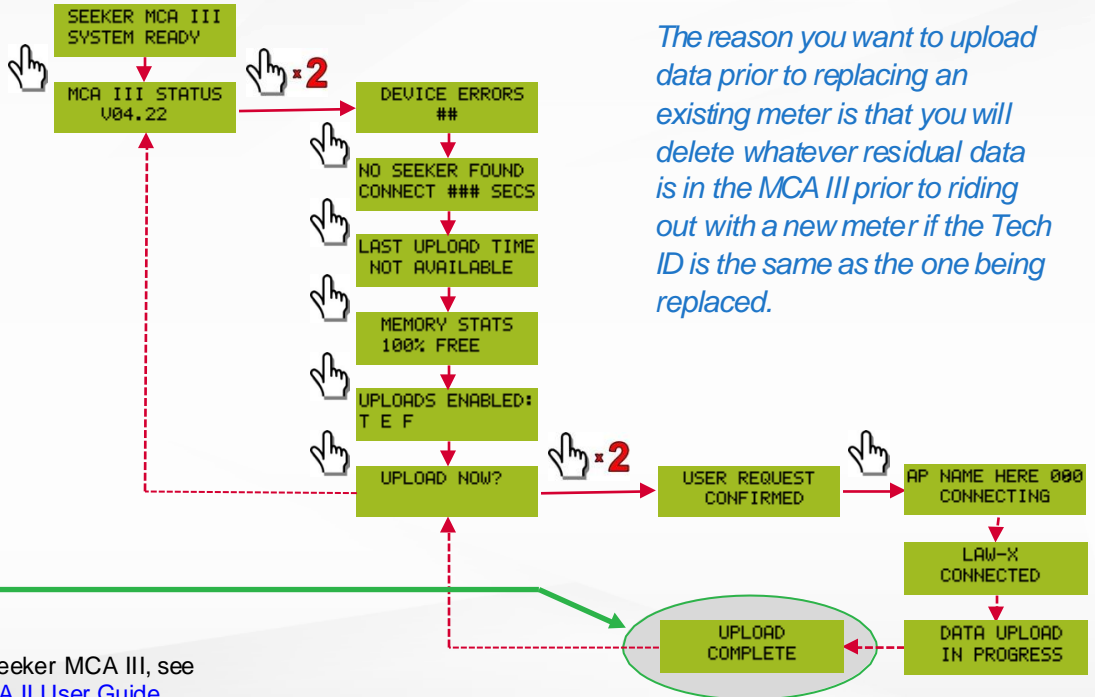

Single Click Select – Scrolls through the device status menus

Double Click Select – Enters the menu or submenu

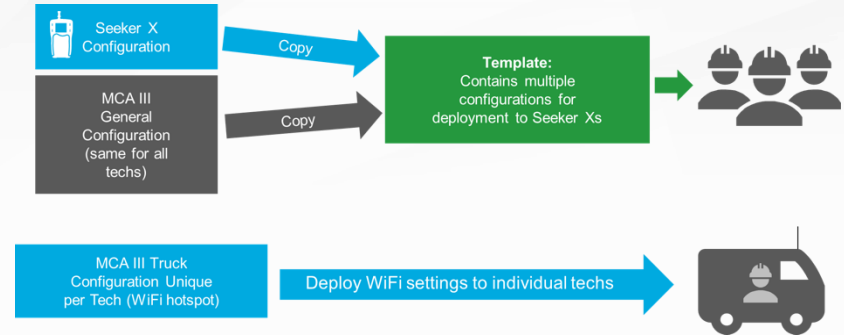*This step is complete once you have seen the **Upload Complete** screen on the MCA III.*

The reason you want to upload data prior to replacing an existing meter is that you will delete whatever residual data is in the MCA III prior to riding out with a new meter if the Tech ID is the same as the one being replaced.

For more information on how to navigate the display of the Seeker MCA III, see Chapter 1: Quick Tour, Display Navigation of the Seeker MCA II User Guide.

Flow diagram screens:
- SEEKER MCA III SYSTEM READY
- MCA III STATUS V04.22
- DEVICE ERRORS ##
- NO SEEKER FOUND CONNECT ### SECS
- LAST UPLOAD TIME NOT AVAILABLE
- MEMORY STATS 100% FREE
- UPLOADS ENABLED: T E F
- UPLOAD NOW?
- USER REQUEST CONFIRMED
- AP NAME HERE 000 CONNECTING
- LAW-X CONNECTED
- DATA UPLOAD IN PROGRESS
- UPLOAD COMPLETE

Configure the Seeker X using StrataSync via the MobileTech App

Next, you will need to deploy a new configuration to the Seeker X before docking with the MCA III.

- The Seeker X has a single configuration within StrataSync which can be deployed to the Seeker X via the VIAVI MobileTech App using a Bluetooth connection.
- The MCA III has two configurations within StrataSync which can be deployed to the MCA III after the Seeker X has received an MCA III configuration via the VIAVI MobileTech App using a Bluetooth connection and has docked with the MCA III.
  - The "MCA III General Configuration" is likely is common configurations that all technicians in the same system would use like LAW-X server info, EDN settings, Upload interval, meter display units, etc.
  - The "MCA III Truck Configuration" is more specific and deals with setting up Wi-Fi and Ethernet configurations specific to each technician.

When swapping an existing meter for a new meter, a new configuration must be sent to the Seeker X, so the proper Tech ID and measurement settings are configured in the Seeker X.

When swapping a tech from one truck to another with their existing Seeker X, you do not need to re-deploy a Truck Configuration. The Truck Configuration will follow the meter when docked to another MCA III.

Synchronize the Seeker X with the MCA III using the Mobile Mount

- Seeker X and MCA III configurations are deployed to specific Seeker X devices from StrataSync and are synced to the Seeker X through the VIAVI Mobile Tech Application via an active Bluetooth Low Energy (BLE) connection.
  - This connection will take place automatically when both devices are on.
  - If this connection does not happen automatically, press connect next to the device in the device list of the Mobile Tech Application
- Once the Seeker X connects to the Mobile Tech application the Seeker X and MCA III configurations will be stored on the Seeker X.
- The Seeker X configuration will automatically be deployed to the meter.
  - The new configuration can be verified by selecting the Settings button within the Seeker X feature of the Mobile Tech Application.
- If a new configuration has been staged in the Seeker X for deployment to the MCA III and it is different than what is currently in the MCA III
  - The CA ConF message will appear on the Seeker X display to indicate that a new configuration is available for the MCA III. The Seeker X will automatically deploy the configuration updates to the MCA III, the MCA III will then update its configuration and reboot.
  - This process will repeat a second time when both MCA III configurations that have been staged in the Seeker X for deployment to the MCA III are different than what is currently in the MCA III.
  - When the configuration and reboot cycle has completed, the Seeker X screen will display the CA 0 message indicating that communication between the Seeker X and MCA III has been established.

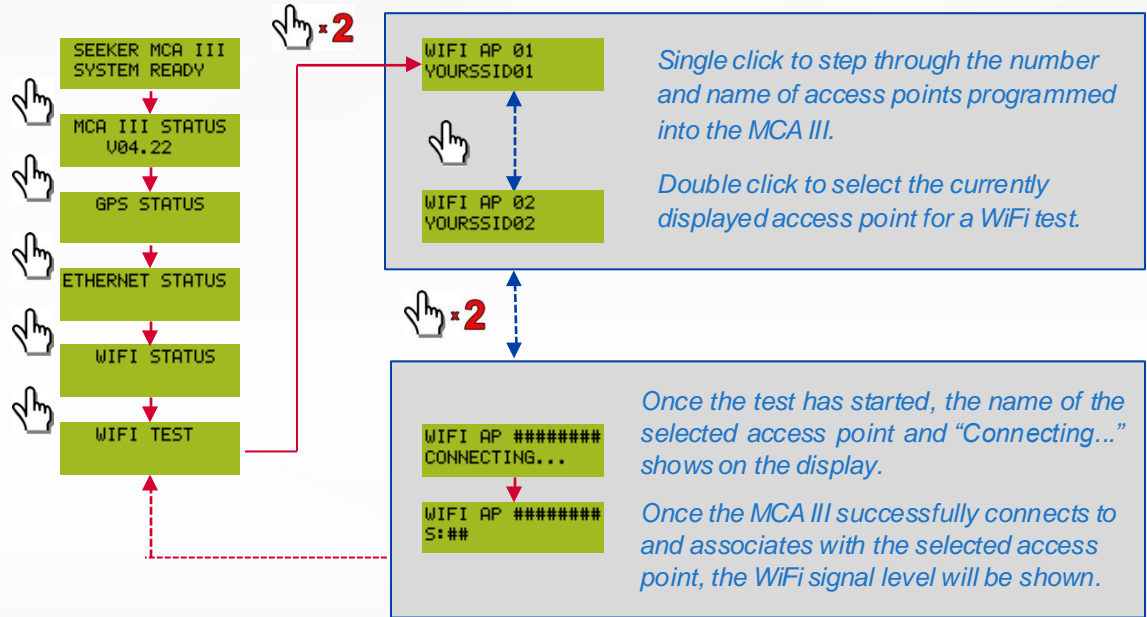# Test Wi-Fi Connectivity of the MCA III with a Wireless Access Point

Use the button on the back of the MCA III to navigate to the **WIFI TEST** screen as shown in the image below to test the WiFi connection from the MCA III to the selected wireless access point.

Single Click Select – Scrolls through the device status menus

Double Click Select – Enters the menu or submenu

This step is complete once you have seen the WiFi AP name and signal level on the MCA III screen.

```
SEEKER MCA III
SYSTEM READY

MCA III STATUS
V04.22

GPS STATUS

ETHERNET STATUS

WIFI STATUS

WIFI TEST
```

```
WIFI AP 01
YOURSSID01

WIFI AP 02
YOURSSID02
```

Single click to step through the number and name of access points programmed into the MCA III.

Double click to select the currently displayed access point for a WiFi test.

```
WIFI AP ########
CONNECTING...

WIFI AP ########
S:##
```

Once the test has started, the name of the selected access point and "Connecting..." shows on the display.

Once the MCA III successfully connects to and associates with the selected access point, the WiFi signal level will be shown.
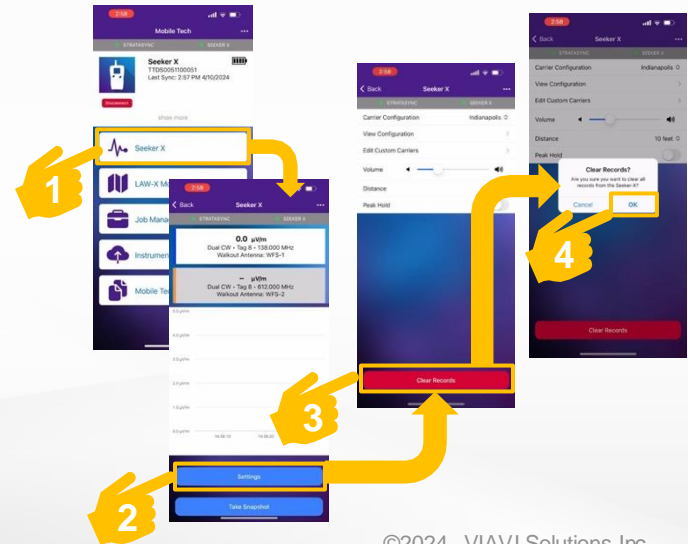
Erase Existing Data from the MCA III

Next, you will need to synchronize the data recorded in the MCA III with the internal memory of the Seeker X and then delete the records from the Seeker X using the VIAVI Mobile Tech application.

- To synchronize the data between the Seeker MCA III and the Seeker X, press and hold the **SNAPSHOT** button on the Seeker X until **SYNC** appears on the Seeker X display.
- The bar graph on the Seeker X display will show the progress of the synchronization, do not remove the Seeker X from the Mobile Mount until the data synchronization is completed, otherwise data corruption (although unlikely) may occur.
- When the Seeker MCA III is done transferring data to the Seeker X, **SYNC DONE** will appear on the Seeker X display.

Data synchronization will only work when the Seeker X is in the Mobile Mount.

- Use the VIAVI Mobile Tech application to clear the measurement records from the internal memory of the Seeker X using the process outlined in the diagram below.

Reset the Seeker X Meter ID in LAW-X

To complete the process, you will need to reset the Meter ID of the desired technician within LAW-X from the Administration ➔ Manage Users screen as shown in the diagram below.

Resetting the Meter ID is required in LAW-X when substituting an existing meter with a new meter and using the same Tech ID.

Completed Process for Resetting Seeker X and MCA III

- Existing MCA III data related to the Seeker X that is being replaced has been uploaded to LAW-X for processing. This preserves the data collected by the old Seeker X meter before replacing it with a new Seeker X.

- Seeker X and MCA III configurations have been deployed to the new Seeker X meter and existing MCA III. This associates the existing Tech ID with the new Seeker X meter and ensures that the MCA III wireless access point settings are properly configured for that technician.

- Validated that the Seeker X and MCA III configurations are correct using the VIAVI Mobile Tech application and the WiFi Test feature of the MCA III.

- Removed all the existing data from the new Seeker X and existing MCA III after being properly configured to ensure a clean start to data collection.

- Reset the Meter ID of the desired technician within LAW-X to ensure the new Seeker X and MCA III are paired properly and can upload to LAW-X.

Your system should now be ready to collect leakage rideout data using the new Seeker X with an existing Seeker MCA III and Tech ID

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