Purpose
This guide is designed to provide HealthEMS customers with instructions on how to import ECG data into HealthEMS MobileTouch from a monitor/defibrillator. The Cloud (online only) transmission method sends ECG data to the HealthEMS System where MobileTouch can import from. The Local (online/offline) transmission method sends ECG data to the MobileTouch device first and then sends the same data to the HealthEMS System.

Please refer to the HealthEMS ECG Reference Guide for an up-to-date list of requirements and support materials.

There are links provided to the monitor/defibrillator vendor instructions for how to setup data transmission connections. Instructions on how to program and configure the monitor/defibrillator for transmitting the ECG case files are not included in this document. Customers should consult with their monitor/defibrillator vendor and complete the data transmission setup process prior to using this document for importing the data into HealthEMS MobileTouch.

IMPORTANT: The following backend setup information is required for cloud and local integration.
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Overview

This section is an overview of the specific monitor/defibrillator instructions that follow. The available options and requirements will vary depending on the monitor/defibrillator vendor hardware being used and the installation method chosen for MobileTouch.

HealthEMS Manager

*HealthEMS Manager* stores the setup information needed to configure MobileTouch.

**ECG Devices (Step 1)**

Navigate to Setup -> Agency -> ECG Devices

- Specify ECG monitor/defibrillator devices for transmitting ECG data files to the cloud
- Required for Cloud-to-Cloud configuration

**Cloud Monitor Configuration (Step 2)**

Navigate to Setup -> Application Settings -> Cloud Monitor Configuration

- Specify snippet images for attachment (Cloud only)
- Map medications and treatments for import (Cloud only)
- Required for Cloud-to-Cloud configuration

**MobileTouch Configuration (Step 3)**

Navigate to Setup -> Application Settings -> MobileTouch Configuration

- Enable/Disable ECG-Cloud support
  - Required for Cloud-to-Cloud configuration
  - See Cloud Monitor Configuration
- Enable/Disable ECG-Local support
  - Specify snippet images for attachment (Local only)
  - Map medications and treatments for import (Local only)
  - Required for Local configuration
- Enable/Disable *Conditional Validations* and *Features*
  - Optional for Cloud-to-Cloud or Local configuration
HealthEMS MobileTouch

HealthEMS MobileTouch downloads the configurations and setup options from Manager.

MobileTouch Dashboard (Step 4)

Navigate to the Shift tab

- Specify ECG Device (Cloud only)
- Required for Cloud-to-Cloud configuration

Navigate to the Support tab

- Select ‘Update Config’ button to manually download configurations from HealthEMS Manager and apply updates to MobileTouch.
- Select ‘Refresh Reference Tables’ button to manually download setup tables from HealthEMS Manager and apply updates to MobileTouch.

MobileTouch ePCR (Step 5)

Navigate to the Import ECG button

- Select the ‘Direct’ button to import ECG files from the monitor/defibrillator. (Local only)
- Select the ‘Cloud’ button to import ECG data already transmitted by the monitor/defibrillator. (Cloud only)
- Select the ‘Unable to Import’ button to write an explanation why ECG data could not be imported and attached to the ePCR. (Requires conditional validation to be enabled)
  ➢ When the ECG: Require ECG Attachment configuration option is enabled in HealthEMS Manager, an Unable to Import tab will be displayed on the Import ECG window, but only after specific Provider Impressions are selected.

Navigate to Actions button

- Select the ‘Attachments’ option to attach additional ECG case files that have been locally transmitted from the monitor/defibrillator to the MobileTouch device. (Requires the feature to be enabled.
  ➢ When the Enable Attachments configuration option is enabled in HealthEMS Manager, an Attachments option will be displayed on the Actions window.

Navigate to Event Logs tab

- Select the Crew member who captured the vitals and add additional information to the vital event record. (Requires the feature to be enabled.
  ➢ When the Enable Editing Imported Vitals configuration option is enabled in HealthEMS Manager, the imported vitals record can be edited.
Ph"ilips HeartStart MRx Setup

Cloud
NOTE: There currently is no support for Philips Cloud-to-Cloud

HealthEMS Manager
1. Navigate to Setup -> Application Settings -> Cloud Monitor Configuration.

2. Navigate to Setup -> Application Settings -> MobileTouch Configuration.

NOTE: The MobileTouch Configuration page is currently not applicable for cloud-to-cloud settings.

   a. Select the icon and modify the Default Settings configuration.

   b. Scroll down to the EKG – Cloud section.

Local
HealthEMS Manager (Step 1)
Any changes made in HealthEMS Manager requires a MobileTouch config update. While this happens periodically, a manual update can be performed from MobileTouch -> Support page -> ‘Update Config’ button.

1. Navigate to Setup -> Application Settings -> MobileTouch Configuration.

   a. Select the icon and modify the Default Settings configuration.

   b. Scroll down to the ‘EKG – Local’ section.

   c. Select Local = ‘ON’
Summary

d. Select the ‘Philips’ tab

e. Select ‘Attach Monitor File’ = ‘YES’
   i. Select ‘File Type’ = ‘EKG Data File’

f. Select ‘Attach ECG Snippets’ = ‘YES’
   i. Select ‘File Type’ = ‘ECG Image’
   ii. Select ‘ECG Events to create snippets’ and enter event names specific to the Philips HeartStart MRx monitor

g. Select ‘Attach 12 Lead Image’ = ‘YES’
   i. Select ‘File Type’ = ‘12 Lead Image’

h. Import Vitals
   i. Select ‘Import Vitals’ = ‘ON’
   ii. Select ‘Import Vitals – Frequency’ and enter ‘5’
   iii. Select ‘Import Vitals – Blood Pressure’ = ‘YES’
   iv. Select ‘Import Vitals – Pulse’ = ‘YES’
   v. Select ‘Import Vitals – SPO2’ = ‘YES’
   vi. Select ‘Import Vitals – CO2’ = ‘YES’

i. Import Treatments/Medications
   i. Select ‘Import Treatments/Medications’ = ‘YES’
   ii. Select ‘Add Medication’ button, then enter a Medication Mappings Description along with a selection from the dropdown list of available medications.
   iii. Select the ‘Save’ button to save a new Medication Mapping

NOTE: The monitor Philips Medication and HealthEMS Medication fields are now both required in the Medication Mappings section.

iv. Select ‘Add Treatment’ button, then enter a Treatment Mappings Description along with a selection from the dropdown list of available treatments.

v. Select the ‘Save’ button to save a new Treatment Mapping
NOTE: The monitor Phillips Treatment and HealthEMS Treatment fields are now both required in the Treatment Mappings section.

j. Import Vitals/Flows Employee
i. Select 'Employee to set for all imported vitalis/flows', then select a matching name from the dropdown list. This is typically a generic name like 'EKG, Monitor'.
k. Select the ‘Save Configuration’ button to save all settings for this config.

A "0 - User Defined Medication" option has been added to the Medication Mappings drop-down list and a "0 - User Defined Treatment" option has been added to the Treatment Mappings drop-down list on the ECG - Local section of the Setup -> Application Settings -> MobileTouch Configuration page.

When an ECG event is mapped to these new options, MobileTouch will import the event/marker and allow the user to change it to the appropriate Treatment or Medication on the Event Log tab in MobileTouch.

**Philips Data Transmission (Step 2)**

NOTE: All case files must be transmitted to ‘C:\ProgramData\Physio-Control\MobileTouch\rawdata’.

Please review the Philip’s instructional manual for the HeartStart MRx.

**NOTE: The HeartStart MRx monitor requires the Toshiba Bluetooth driver stack.**

Philips also offers an optional Wireless Link module, which creates an ad hoc WiFi connection.
Philip’s Data Management support information.

NOTE: This software is not required to receive case files from the MRx monitor.

Once HeartStart Data Messenger is installed and configured to receive ECG data from the HeartStart MRx, the Data Messenger Configuration (open from the Windows Systray icon) needs to be configured to make the data available for MobileTouch to import.

Within the Case Workflow tab, perform the following:

- Check “Export case data to a folder
- Enter “C:\ProgramData\Physio-Control\MobileTouch\rawdata”
- Select “hic, for use in third party applications”
- Uncheck “Print case report”
- Uncheck “Email case data”
- Uncheck “Forward case data”
- Check “Erase source data”
- Uncheck “Back up processed case files”
- Select “Apply” to save

Within the Advanced Inboxes tab, perform the following:

- Under Bluetooth, enter the path to your devices Bluetooth folder.
  - NOTE: The Bluetooth folder location may vary by Windows O/S and driver configuration.
- Under “Batch LAN data transfer FTP” if you have the WiFi module installed in your HeartStart Monitor, you can configure the import settings here. Please refer to Philips documentation for specific setup information.
- Select “Clean up incomplete transmissions” to manage how long these files remain on your device.
- Select “Apply” to save
HealthEMS MobileTouch MSI (Step 3)
Please refer to the most recent version of the *MobileTouch v6 Setup Guide* for instructions on how to install and setup MobileTouch MSI.

ECG Import (Step 4)
Please refer to the most recent version of the *MobileTouch v6 User Guide* for additional information on imported data in the Event Log and data file attachments.

1. While editing an ePCR, select the “Import ECG” button to open the popup window.

2. Select “Direct” for local import.
   a. Cloud is not supported for Philips
   b. Enter Unable to Import comment, if an ECG case file is not available for import.

3. Select the radio button that corresponds with the ECG case file, then select “Import”.

![Import ECG interface](image1)

![Import ECG interface](image2)
4. The Import ECG window will display “Loading ECG File” status.

5. “Attachments sync” will display the progress.

6. The case file Vitals, Treatments, Medications, and Attachments will default as selected. Click on the checkmark next to any items to un-select or re-select.

7. Select “Close” to close the “Import ECG” popup window.
8. The marked events will be listed in the ePCR Event Log page.

Optional: Select “Detach” to un-select the entire case file and events from importing or attaching to the ePCR.
Physio-Control LIFEPAK Setup

Cloud

HealthEMS Manager (Step 1)
Any changes made in HealthEMS Manager requires a MobileTouch config update. While this happens periodically, a manual update can be performed from MobileTouch -> Support page -> ‘Update Config’ button.

Navigate to Setup -> Application Settings -> Cloud Monitor Configuration.
Summary
- Attach Monitor File (radio)
  - Monitor File Attachment File type (dropdown list)
- Attach ECG snippets (radio)
  - ECG Snippet File type (dropdown list)
- ECG Events to create snippets – enter comma-separated list of events (text)
- Snippet seconds before (text)
- Snippet seconds after (text)
- Attach 12 Lead Images (radio)
  - 12 Lead image attach filetype (dropdown list)

Import Vitals
- Import Vitals (radio)
  - Import Vitals – Frequency (text)
  - Import Vitals – Blood Pressure (radio)
  - Import Vitals – Pulse (radio)
  - Import Vitals – SPO2 (radio)
  - Import Vitals – CO2 (radio)

Import Treatments/Medications
- Import Treatments/Medications
  - Yes / No (radio)
Medication Mappings

- Physio Medication (text)
- HealthEMS Medication (dropdown list)
- Add New Medication Mapping (button)

NOTE: The monitor Physio Medication and HealthEMS Medication fields are now both required in the Medication Mappings section.

Treatment Mappings

- Physio Treatment (text)
- HealthEMS Treatment (dropdown list)
- Add New Treatment Mapping (button)

NOTE: The monitor Physio Treatment and HealthEMS Treatment fields are now both required in the Treatment Mappings section.

Import Vitals/Flows Employee

- Employee to set for all imported vitals/flows (dropdown list)
- Save (button)
Physio-Control Data Transmissions (Step 2)
For instructions on how to set up a connection between your device and LIFEPAK 15, proceed to section 8 page 165 of the instructions linked HERE. NOTE: This will require LIFENET PC Gateway software.

Physio-Control also offers an optional Titan Wireless Gateway module, which connects the LIFEPAK to LIFENET via a WiFi connection.

ECG Import (Step 3)
Please refer to the most recent version of the MobileTouch v6 User Guide for additional information on imported data in the Event Log and data file attachments.

1. From the Dashboard select the “Shift” page, then “EKG Device”

2. Select the name of the ECG monitor being used to import case files sent to the Physio cloud.
   - This selection will filter the available case files to only the serial number/device name of the ECG monitor selected.
   - The ECG/EKG monitor device list is managed from a HealthEMS Manager Setup table and downloaded to a MobileTouch Reference table.

3. While editing an ePCR, select the ‘Import ECG’ button to open the popup window.

4. Select “Cloud” for online import.
   a. Direct is for local/offline import and will be reviewed in a section below.
   b. Enter Unable to Import comment, if an ECG case file is not available for import.
5. The device selected from the Shift menu will be used to search for matching patient case files within the agency.

6. If an EKG device has not been selected, a message in the popup window will display.
   a. Click “Done” to close the popup window.

7. The default EKG Device from the Shift page will display and filter any matching case files.
   a. If there are no matching cases found, a message in the popup window will display.
   b. Select “Close” at any time to cancel.
8. To change the ECG monitor, select a different EKG Device from the dropdown list.

9. Choose the radio button that corresponds with the case file, then choose the Import button.

- The service Date of the ePCR and the EKG Device selected on the Shift page are used to filter the available list of case files for import.

- IMPORTANT NOTE: To search for case files for a different date, the Date of the PCR must be changed.

- The ECG import function has been updated so that it searches for ECG events matching the Date (Date of Service) field on the MobileTouch form plus three hours after midnight of the following day.
10. The “Loading ECG Data” status window will display the progress of “Downloading attachments”.

11. The details of the case file events will be displayed and check marked by default for import.
   - Unchecking an event will remove that event or attachment from inclusion in the ePCR.
12. The details of the case file events will be displayed and check marked by default for import. These attachments are blue.

- Unchecking an attachment will remove that event or attachment from inclusion in the ePCR. These attachments are grey.

13. Selecting the 📷 icon will display the image attachment in a new window.

- Select the ‘Close’ button when done viewing the image

14. Select the ‘Detach’ button to remove the entire case file, events, and attachments from inclusion in the ePCR.
Local HealthEMS Manager (Step 1)

1. Navigate to Setup -> Application Settings -> MobileTouch Configuration.
   a. Select the icon and modify the Default Settings configuration.
   b. Scroll down to the ‘EKG – Local’ section.
   c. Select Local = ‘ON’
      i. Default = ‘OFF’

Summary

d. Select the ‘Physio-Control’ tab

e. Select ‘Attach Monitor File’ = ‘YES’
   i. Select ‘File Type’ = ‘PCO File’

f. Select ‘Attach ECG Snippets’ = ‘YES’
   i. Select ‘File Type’ = ‘ECG Image’
   ii. Select ‘ECG Events to create snippets’ and enter event names specific to the LIFEPAK monitor

g. Select ‘Attach 12 Lead Image’ = ‘YES’
   i. Select ‘File Type’ = ‘12 Lead Image’

h. Import Vitals
   i. Select ‘Import Vitals’ = ‘ON’
   ii. Select ‘Import Vitals – Frequency’ and enter ‘5’
   iii. Select ‘Import Vitals – Blood Pressure’ = ‘YES’
   iv. Select ‘Import Vitals – Pulse’ = ‘YES’
   v. Select ‘Import Vitals – SPO2’ = ‘YES’
   vi. Select ‘Import Vitals – CO2’ = ‘YES’

i. Import Treatments/Medications
   i. Select ‘Import Treatments/Medications’ = ‘YES’
   ii. Select ‘Add Medication’ button, then enter a Medication Mappings Description along with a selection from the dropdown list of available medications.
   iii. Select the ‘Save’ button to save a new Medication Mapping
NOTE: The monitor **Physio Medication** and **HealthEMS Medication** fields are now both required in the **Medication Mappings** section.

iv. Select ‘Add Treatment’ button, then enter a Treatment Mappings Description along with a selection from the dropdown list of available treatments.

v. Select the ‘Save’ button to save a new Treatment Mapping

NOTE: The monitor **Physio Treatment** and **HealthEMS Treatment** fields are now both required in the **Treatment Mappings** section.

j. Import Vitals/Flows Employee
   i. Select ‘Employee to set for all imported vitals/flows’, then select a matching name from the dropdown list. This is typically a generic name like ‘EKG, Monitor’.
   
k. Select the ‘Save Configuration’ button to save all settings for this config.

A "0 - User Defined Medication" option has been added to the Medication Mappings drop-down list and a "0 - User Defined Treatment" option has been added to the Treatment Mappings drop-down list on the ECG - Local section of the Setup -> Application Settings -> MobileTouch Configuration page.

When an ECG event is mapped to these new options, MobileTouch will import the event/marker and allow the user to change it to the appropriate Treatment or Medication on the Event Log tab in MobileTouch.
Physio-Control Data Transmissions (Step 2)

NOTE: All case files must be transmitted to ‘C:\ProgramData\Physio-Control\MobileTouch\rawdata’.

For instructions on how to set up a Bluetooth connection between your device and LIFEPAK 15, as well as instructions on how to use a direct connection (Ositech cable), proceed to chapter 8 page 173 of the instructions linked HERE.

Steps to attach LP via Bluetooth through MSI and SDK

1. Add a Bluetooth COM Port
2. (Because of Windows 10) LP Bluetooth utility needs to be installed and set to the comm port just added
3. Run the Utility
4. Pair the LIFEPAK to the device
5. Run the SDK.Sample.Configuration and on the Communications configuration page, check the Comm Port that has been added.
6. In MT
7. Select ECG
8. Import Case from LIFEPAK directly,
9. follow directions to send case from the LIFEPAK via Bluetooth

1. Pair devices
   a. From the Systray, select the Bluetooth icon, then Open Settings
   b. From the Settings menu, select the Options tab
      i. Check “Allow Bluetooth devices to find this PC”
      ii. Uncheck “Alert me when a new Bluetooth device wants to connect”
2. From the COM Ports tab, Add 1 COM port
   1. Select Add, then OK for COM4
3. Choose Apply, then OK
HealthEMS MobileTouch MSI (Step 3)
Please refer to the most recent version of the MobileTouch v6 Setup Guide for instructions on how to install and setup MobileTouch MSI.

Physio-Control CODE STAT (Step 4)
Importing LIFEPAK case files locally/offline requires the CODE STAT 10.1 SDK software.

NOTE: Completely uninstall CODE STAT 9 to prevent incompatibilities with CODE STAT 10. Please contact the LIFENET support team, if you experience any errors during setup or data transmission.

1. In Windows, open a Command window as an administrator
   - Run As Admin
   - Authenticate with Windows administrator credentials when prompted

2. Change directories to:
   - cd "C:\Program Files (x86)\Physio-Control\MobileTouch"

3. Execute LIFEPAK SDK 10.1 install
   - Msiexec /i “LIFEPAK SDK 10.1 Redistributable Package.msi”
4. Select ‘Next’

5. Select ‘Next’ again
   - Leave default User Name and Organization
6. Select ‘Next’ again
   - Leave default Product Serial Number and Feature Key

7. Select ‘Next’ again
   - Leave default ‘Complete’ selection

8. Select ‘Install’
9. Select ‘Finish’

10. Connect cable and/or pair BlueTooth devices
    - **NOTE:** Establishing a connection between the devices creates a virtual COM port. This step must be done prior to configuring CODE STAT.

11. Configure CODE STAT 10 SDK
    - From Windows File Explorer, navigate to “C:\Program Files (x86)\Physio-Control\MobileTouch”
    - Execute ‘SDK.Sample.Configuration’
12. Select the ‘Communication configuration’ tab
   - Check the applicable Communication port
   - The OSITECH cable typically uses COM50

*NOTE*: Be sure to connect the OSITECH cable to the Windows device prior to running the SDK Sample Configuration tool.

13. Select the ‘Download Wizard configuration’ tab
   - Optional: Select ‘Default device’ = ‘LP12_15’
   - This will always select the device type as a LIFEPAK defibrillator when importing from MobileTouch.
**ECG Import (Step 5)**

Please refer to the most recent version of the *MobileTouch v6 User Guide* for additional information on imported data in the Event Log and data file attachments.

1. If there are no matching cases found, a message in the popup window will display.
   - This means there are no .PCO case files found in the MobileTouch ‘rawdata’ folder.
   - Click “Close” to close the popup window.

2. Select the blue ‘Import Case from LIFEPAK Directly’ button
   - This will launch the CODE STAT 10.1 SDK interface
   - This provides local/offline support for importing
   - **NOTE:** Only choose “Cloud” when using the Online (cloud-to-cloud) HealthEMS Manager setup, which is integrated into Physio-Control LIFENET.

3. If no ports are found, check the SDK Configuration.
   - Select ‘Back’ to choose a device
   - Select ‘Cancel’ to start over
4. Follow the step-by-step instructions to transmit ECG case file(s) from the LIFEPAK.
5. Select ‘Finish’ when the download is complete

   c. Cloud is for online import and will be reviewed in a section above.
   a. Enter Unable to Import comment, if an ECG case file is not available for import.

7. Choose the radio button that corresponds with the case file, then choose the ‘Import’ button.
8. The “Loading ECG Data” status window will display the progress of “Downloading attachments”.

9. The details of the case file events will be displayed and check marked by default for import.
   - Unchecking an event will remove that event or attachment from inclusion in the ePCR.
10. The details of the case file events will be displayed and check marked by default for import. These attachments are blue.

   - Unchecking an attachment will remove that event or attachment from inclusion in the ePCR. These attachments are grey.

11. Selecting the 📸 icon will display the image attachment in a new window.

   - Select the ‘Close’ button when done viewing the image

12. Select the ‘Detach’ button to remove the entire case file, events, and attachments from inclusion in the ePCR.
ZOLL X-Series Setup

Cloud
Navigate to Setup -> Application Settings -> **Cloud Monitor Configuration**.
HealthEMS Manager (Step 1)

Any changes made in HealthEMS Manager requires a MobileTouch update. While this happens periodically, a manual update can be performed from MobileTouch -> Support page -> ‘Update Config’ button.

Cloud Configuration

- Data Access Key (text) - 50 characters
- Password (text) - 50 characters

Summary

- Attach Monitor File (radio)
- Monitor File Attachment File type (dropdown list)
- Attach ECG snippets (radio)
- ECG Snippet File type (dropdown list)
- ECG Events to create snippets – enter comma-separated list of events (text)
- Snippet seconds before (text)
- Snippet seconds after (text)
- Attach 12 Lead Images (radio)
- 12 Lead image attach filetype (dropdown list)

Import Vitals

- Import Vitals (radio)
- Import Vitals – Frequency (text)
- Import Vitals – Blood Pressure (radio)
- Import Vitals – Pulse (radio)
- Import Vitals – SPO2 (radio)
- Import Vitals – CO2 (radio)
**Import Treatments/Medications**
- Import Treatments/Medications
  - Yes / No (radio)

**Medication Mappings**
- Zoll Medication (text)
- HealthEMS Medication (dropdown list)
- Add New Medication Mapping (button)

**NOTE:** The monitor **Zoll Medication** and **HealthEMS Medication** fields are now both required in the **Medication Mappings** section.

**Treatment Mappings**
- Zoll Treatment (text)
- HealthEMS Treatment (dropdown list)
- Add New Treatment Mapping (button)

**NOTE:** The monitor **Zoll Treatment** and **HealthEMS Treatment** fields are now both required in the **Treatment Mappings** section.

**Import Vitals/Flows Employee**
- Employee to set for all imported vitals/flows (dropdown list)
- Save (button)
ZOLL Data Transmissions (Step 2)

Click [HERE](#) to open ZOLL’s product webpage in your browser. Under the Product drop down list select “X Series Monitor”; then, select your Language. Under Search Results click on the “X Series Operators Guide” link to download the PDF file.

Navigate to Chapter 22 – Communications, page 251, for instructions on how to setup connections via WiFi and Bluetooth.

Click [HERE](#) for ZOLL’s Data Retriever support information.

Once Data Retriever is installed and configured, the Data Retriever Options needs to be configured to make the data available for MobileTouch to receive ECG data from the X-Series for import.

- **Destination Folder:**
  - Enter “C:\ProgramData\Physio-Control\MobileTouch\rawdata”

- **Select “OK” to save**
- **Upload:**

  - Choose the transfer method from the dropdown list, then select “Upload” to copy the ECG data file(s) for MobileTouch to import.

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**ECG Import (Step 3)**

Please refer to the most recent version of the *MobileTouch v6 User Guide* for additional information on imported data in the Event Log and data file attachments.

1. From the Dashboard select the “Shift” page, then “EKG Device”

2. Select the name of the ECG monitor being used to import case files sent to the ZOLL cloud.
   - This selection will filter the available case files to only the serial number/device name of the ECG monitor selected.
   - The ECG/EKG monitor device list is managed from a HealthEMS Manager Setup table and downloaded to a MobileTouch Reference table.

3. While editing an ePCR, select the ‘Import ECG’ button to open the popup window.
4. Select “Cloud” for online import.
   d. Direct is not an option for ZOLL.
   e. Enter Unable to Import comment, if an ECG case file is not available for import.

5. The device selected from the Shift menu will be used to search for matching patient case files within the agency.

6. If an EKG device has not been selected, a message in the popup window will display.
   a. Click “Done” to close the popup window.
7. The default EKG Device from the Shift page will display and filter any matching case files.
   a. If there are no matching cases found, a message in the popup window will display.
   b. Select “Close” at any time to cancel.

8. To change the ECG monitor, select a different EKG Device from the dropdown list.

1. Choose the radio button that corresponds with the case file, then choose the Import button.

   - The service Date of the ePCR and the EKG Device selected on the Shift page are used to filter the available list of case files for import.

   - **NOTE:** To search for case files for different date, the Date of the PCR must be changed.

   - The ECG import function has been updated so that it searches for ECG events matching the **Date** (Date of Service) field on the MobileTouch form **plus three hours after midnight** of the following day.
2. The “Loading ECG Data” status window will display the progress of “Downloading attachments”.

3. The details of the case file events will be displayed and check marked by default for import.
   - Unchecking an event will remove that event or attachment from inclusion in the ePCR.
   - Choose “Detach” to remove the entire case file, events, and attachments from inclusion in
Local

NOTE: There currently is no support for ZOLL Local/Offline.

HealthEMS Manager

1. Navigate to Setup -> Application Settings -> MobileTouch Configuration.
   a. Select the icon and modify the Default Settings configuration.
   b. Scroll down to the 'EKG – Local' section.
   c. Selection is ‘OFF’ by default
Appendix 1

Conditional Validations
Enable/Disable Conditional Validations (Cloud and Local)

Option 1 - ‘ECG: Require ECG Attachment’
When enabled an **Unable to Import** tab will be displayed on the Import ECG window.

Selecting this tab will display an **Unable to Import ECG Comments** field. This field is limited to 400 characters.
This configuration includes validation to require either ECG data to be imported or text to be entered in the **Unable to Import ECG Comments** field when any Provider Impression field (Primary, Secondary, Other 1, Other 2, Other 3) has any of the following values selected:

- Cardiac Arrest
- Cardiac Symptoms
- Chest Pain
- Respiratory Arrest
Features
Enable/Disable Features (Cloud and Local)

Option 2 - ‘Enable Attachments’
When enabled an Attachments option will be displayed on the Actions side panel window.

Selecting this option will display an Add Attachments button. Attachments are limited to a maximum total size of 10MB per ePCR. Setting the maximum total size is part of the Enable Attachments config option.
Option 3 - ‘Enable Editing Imported Vitals’
When enabled the imported Vital record in the Event Log can be edited.

When disabled a generic ‘EKG’ crew name displays and the vital event is greyed out and cannot be edited. This is the default setting.