# Post Market Monitoring

# Cold Chain Information Systems Application

**User Manual & Guide** 









# **App Installation & Set up**

## **Before You Begin**

- ODK-X apps work on Android devices only (not supported on iOS or Windows).
- Ensure your Android device is connected to Wi-Fi.
- Make sure any older versions of ODK-X apps are uninstalled.
- You will need server credentials provided by your administrator to authenticate and sync.



Download and install the ODK-X Services from the following link ODK - X Services App



2

Download and install the ODK-X
Survey app from the following link
ODK - X Survey App



3

Download and install the ODK-X
Tables app from the following link
ODK - X Tables App



4

Install the OI File Manager if not already installed on the device
OI File Manager





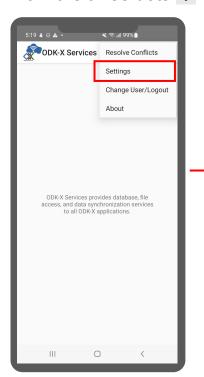
# **Accessing & Configuring Settings**



## Launch the ODK-X Services App

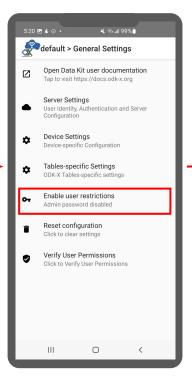
1

Select Settings from the three dots



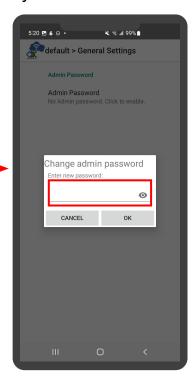
2

Select Enable User Restrictions



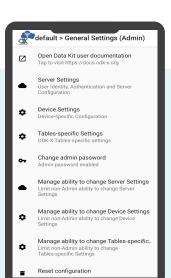
3

Set a **password** for your own device





Tap back to see the enabled options



3



# **Server Configuration**

## Make sure your environment is SSL enabled:

- Open your app or server URL in a web browser.
- Check the address bar:
  - https:// + padlock icon  $\rightarrow$  SSL is enabled.
  - http:// (no padlock) → SSL is not enabled.

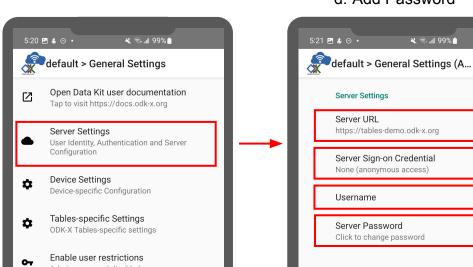
IF you don't have an SSL-enabled environment, in the general settings:

- Select Manage Ability to Change Server Settings
- Under Non-Production (Test)
   Setting, check Allow unsafe/unsecured authentication



Go back and select Server Settings

- 2 Enter the following details
  - a. Server URL provided by administrator
  - b. Select Sign-on Credential as Username
  - c. Add Username
  - d. Add Password





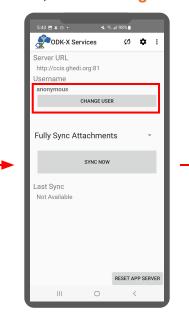
# **User Authentication & Sync**

Return to the Main Screen of ODK-X Services & tap Refresh

On the new prompted User Authentication & Sync screen, select Change User

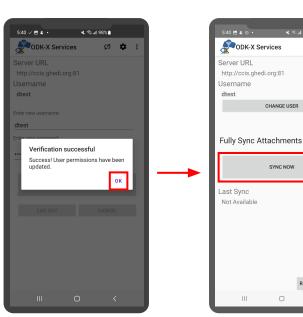
Add password & tap **Authenticate New** User







Tap OK when shown successful verification message



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RESET APP SERVER

CHANGE USER

SYNC NOW

Go back and press Sync Now



# **Navigation & Equipment Overview**

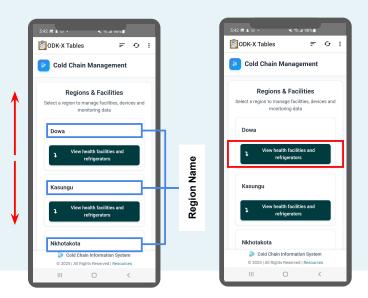


## Launch the ODK-X Tables App

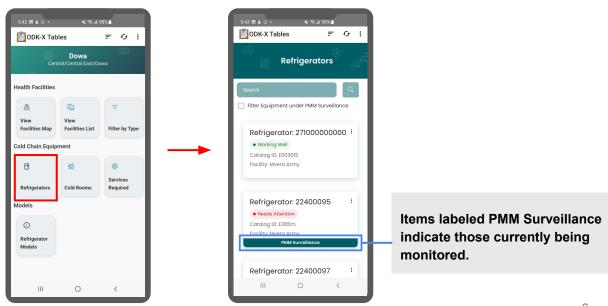
1

Scroll to locate your region

Tap View Health
Facilities and
Refrigerators to see
your region's details



2 Select Refrigerators to find the complete list of equipment





# Tagging Equipment for Post Market Monitoring (PMM) Surveillance

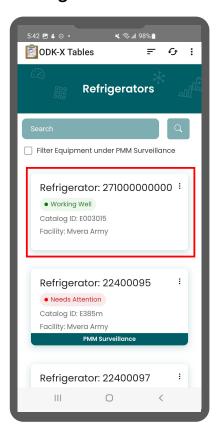
# Only the System Administrator can tag equipment for PMM surveillance

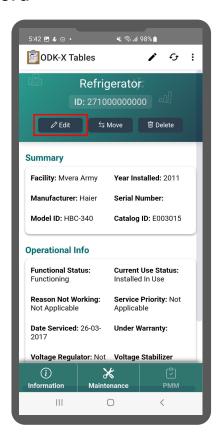
1

Select the equipment you want to tag



Select **Edit** on the equipment record





3

In the form that opens, go to the last question and answer Yes, to mark the equipment under surveillance



## **PMM Drawer Access & Functions**

# PMM Drawer Access

The PMM Drawer—located at the bottom of the screen—activates only when the selected equipment is under surveillance.



PMM Drawer **Disabled** 



PMM Drawer **Enabled** 

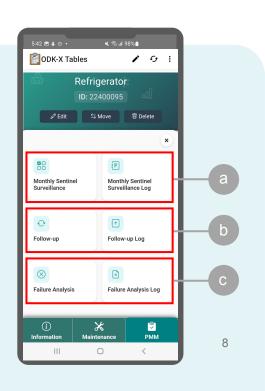


## **PMM Drawer Functions**

The PMM drawer provides quick access to:

- a. Monthly Sentinel Surveillance
- b. Follow-up Survey
- c. Failure Analysis

Click each tab to see its details.

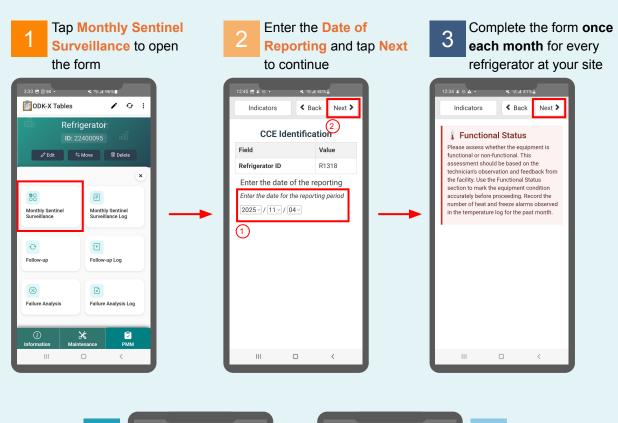


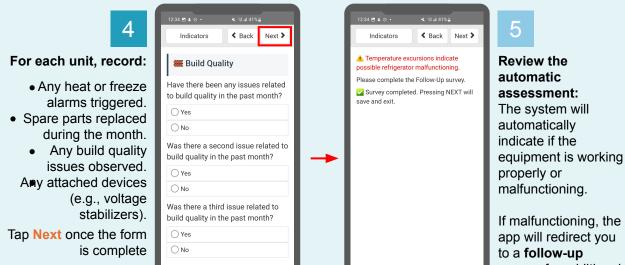
#### **Monthly Sentinel Surveillance** a.

Use the Monthly Sentinel Surveillance form to ensure consistent data collection across all sentinel sites. This form helps:

- Track post-market performance of cold chain equipment after installation.
- Identify whether each refrigerator is functioning properly or needs follow-up by sentinels or EPI technicians.

#### Instructions for Use





0 <

to a follow-up survey for additional details

## b. Follow-up Survey

The Follow-Up procedure ensures systematic and consistent documentation of refrigerator performance issues identified through Post-Market Monitoring (PMM). It is used only for equipment flagged for follow-up based on PMM indicators.

#### This process helps to:

- Collect consistent data to understand immediate and long-term causes of faults or failures.
- Identify issues that can be resolved directly by the sentinel or core user without technician assistance.
- Determine when a technician visit is required for Failure Analysis.
- Provide technicians with pre-visit information to improve efficiency during maintenance.
- Ensure follow-up questions are asked during the same call or visit as the PMM indicators survey for continuity.

#### Instructions for Use

#### 1. Confirm Follow-Up Requirement

- Use this procedure only for refrigerators flagged for follow-up through PMM indicators.
- Conduct the follow-up during the same call or visit as the PMM indicators survey.
- Review the PMM indicator results to confirm that follow-up is required.



# 2. Complete Section A – Initial Assessment

- Evaluate placement, environmental conditions, drainage, gasket, and corrosion.
- This section can be completed on-site or remotely via phone with the core user.
- If the failure cause is not identified, proceed to Section B.





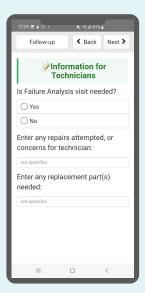
#### 3. Complete Section B - Detailed Evaluation

- Assess build quality and complete detailed follow-up questions.
- Proceed to Section B only if the cause of failure was not identified in Section
   A and the officer is on-site and able to inspect the appliance directly.
- Upload photos where possible to support findings.

#### 4. System-Directed Next Steps

 If the failure cause remains unidentified after Section B, the app will automatically prompt you to open the Failure Analysis Survey for further technical review.





 If the failure cause is identified, the app will proceed to Failure Reporting and record the affected components.



## c. Failure Analysis

The Failure Analysis procedure identifies and records the root cause of refrigerator faults or failures that could not be resolved during follow-up. It is used for refrigerators that:

- Are **malfunctioning** or not cooling properly.
- Have new build quality issues.
- Have a faulty voltage stabilizer.
- Have an active warranty claim during the reporting period.
- Show any other concern reported by the user or sentinel

This procedure must be performed **on-site** by a **trained CCE technician** or another **qualified assessor**. It requires **advanced diagnostic tools** to test and verify component performance.

#### Instructions for Use

#### 1. Record Failures and Components

 Log each observed failure and specify the affected components and suspected causes.

### 2. Log Performance Data

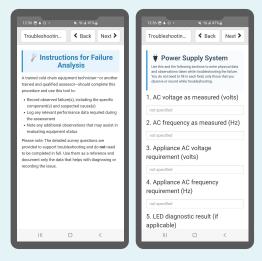
 Enter any performance readings or measurements relevant to the issue.

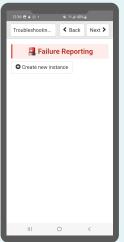
#### 3. Add Observations

 Note any additional information that may support diagnosis or repair.

### 4. Use Survey Questions as Reference

 Use the detailed survey questions to guide your inspection, but complete only the fields relevant to identifying or recording the fault.









# **Completing Forms**





#### **Form Structure**

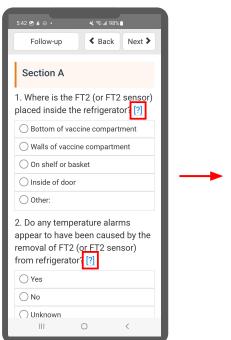
All forms are divided into multiple sections for easier data entry. Each section includes a short description explaining its purpose and how to complete it.

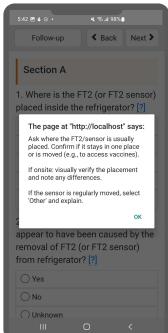


## **Field Hints**

Each question includes a hint icon [?]

Tap the icon to view helpful instructions or examples for that specific field.

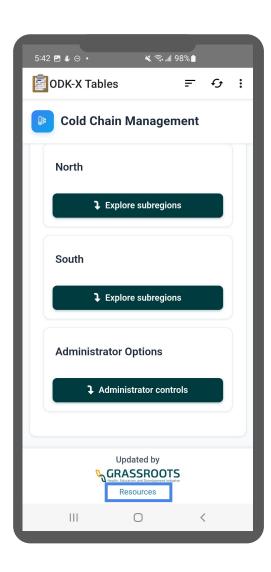






# Reference Resources

## **PMM Taxonomy for accurate data entry**





The PMM taxonomy is available in the Resources folder in the footer. Use it to identify equipment parts accurately and report them correctly in surveys.