



Central Equipment Identity Register System

System Admin User Manual v 2.1



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1 Overview

1.1 Scope

The objective of this manual is to help system admin to use and configure the CEIR (Central Equipment Identity Register) application.

1.2 Acronyms & Abbreviations

Acronym	Full Form
CEIR	Central Equipment Identity Register
IMEI	International Mobile Equipment Identity
PDA	Personal Digital Assistant
TAC	Type Allocation Code
TRC	Telecommunication Regulator of Cambodia

1.3 Conventions

Information	Convention
UI elements (such as names of windows, buttons, and fields)	Bold
References (such as names of files, sections, paths, and parameters)	<i>Italics</i>
*	Indicates a mandatory field or column



2 System Admin Operations

2.1 Application Overview

The CEIR (Central Equipment Identity Register) System Admin Portal is used to use and configure the CEIR application

System Admins perform the following tasks:

- Message Administration
- System Management
- Audit Management
- Custom Port
- Field Management
- Exchange Rate Management
- User type Management
- Rule list
- User Feature Mapping
- Rule Feature Mapping
- User Management
- Address Management

2.2 Logging into the Application

As part of configuration, system admin login would be provided. The user's name is '**system**' and password is '**system**'. It is advised to change the password.

In case there is a need to register more than one system admin users, the same can be done using the user management feature in system admin portal.

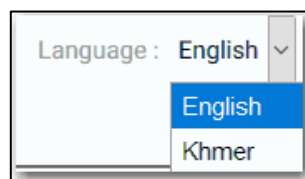
To login:

1. Open the browser and enter the CEIR System Admin Portal URL in the address bar.
The login screen appears.



Figure 1: Login

On the top right corner of the login screen is the **Language** option. The application supports two languages: **English** and **Khmer**. On selecting a given language, all the field and column labels in the application appear in the selected language. All user inputs are, however, in English.



2. Next, enter the assigned login username and password.

Username is the registration ID that is sent on mail to the System Admin after successful registration in the system.

3. Enter the captcha.

4. Click **LOGIN**.

If the login and password are incorrect or the captcha is not correct, an error message appears, and you are prompted to re-enter the login details.

On entering correct information, the application home page appears.

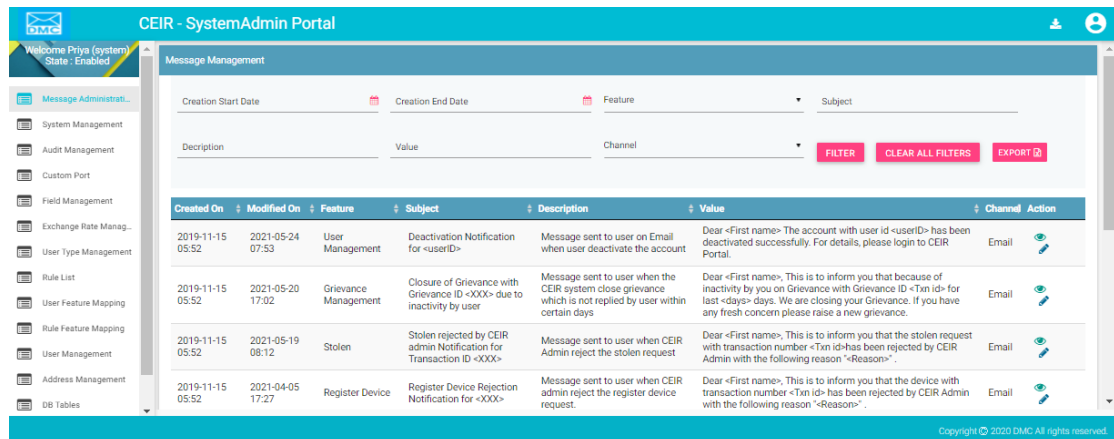


Figure 2: Home Page

If the System Admin forgets the assigned password, click the **Forgot Password** link on the **Login** page. The **Forgot Password** page appears.

Forgot Password

Please enter your User ID *

FLHF0071K

Please select your security question, provide at the time of registration *

What was your childhood nickname

Provide answer to the question*

Sammy

SUBMIT

CANCEL

Figure 3: Forgot Password

1. Enter the login username.
2. Select a security question from the list. Select any one of the security questions that were selected during registration.
3. Enter the answer to the selected security question. This should match the answer given at the time of registration.
4. Click **SUBMIT**.

The **Set New Password** page appears.



The 'Set New Password' form has a blue header with the title 'Set New Password'. Below it, the main title 'New Password' is displayed. There are two input fields: 'New Password' and 'Confirm Password'. Each field has a red padlock icon on the left and a blue eye icon on the right, indicating a password toggle. The 'Confirm Password' field has a red checkmark icon on the left. At the bottom of the form is a large red button labeled 'SAVE'.

Figure 4: Set New Password

5. Enter a new password. Click to see the password characters being entered. Click on it again to hide the password characters. This works like a toggle key.
6. Re-enter the password.
7. Click **Save**

2.3 Application User Interface

On logging into the application successfully, the CEIR System Admin Portal home page appears. By default, the system management page opens up.

The screenshot shows the CEIR System Admin Portal home page. The top navigation bar is blue with the DMC logo and the text 'CEIR - SystemAdmin Portal'. On the right side of the bar are icons for user profile and notifications. A left sidebar contains a list of menu items: Message Administration, System Management (highlighted), Audit Management, Custom Port, Field Management, Exchange Rate Managem..., User Type Management, Rule List, User Feature Mapping, Rule Feature Mapping, User Management, Address Management, and DB Tables. The main content area is titled 'System Management' and contains a table with columns: Created On, Modified On, Description, Value, Type, and Action. The table lists various system parameters and their values. At the bottom of the table, it says 'Showing 1 to 10 of 130 entries (filtered from 10 total entries)'. There are pagination controls at the bottom right of the table.

Created On	Modified On	Description	Value	Type	Action
2020-01-16 00:00	2021-05-06 21:24	Country Code	855	User	
2019-11-14 00:00	2021-05-06 18:25	Date that decide when year will change for register device	04-01	User	
2014-11-19 00:00	2021-05-06 14:58	Base URL to update the status of stock in the system	http://172.24.2.66:9503/CEIR/accept-reject/stock	User	
2020-05-04 12:05	2021-05-05 20:37	Maximum number of Operation Users allowed to be created in the CEIR system	5	User	
2021-01-27 19:20	2021-05-05 20:26	Count of Notifications to be displayed on User Dashboard	5	User	
2020-11-26 22:18	2021-02-08 15:43	Base URL for downloading Immigration User Manual	CEIR_User Manual (Immigration)_v1.0.pdf	User	
2020-11-26 22:18	2021-02-08 15:42	Base URL for downloading Immigration User Manual	http://LOCAL_IP:80/docs/manuals/CEIR_User Manual (Immigration)_v1.0.pdf	User	
2020-02-20 00:00	2021-01-25 17:44	Maximum number of days after which incomplete user will be removed from the CEIR system	22	User	
2014-11-19 00:00	2021-01-19 16:29	Base URL to update the status of stolen, recovery, block and unblock request in the system.	http://172.24.2.66:9503/CEIR/accept-reject/stolen-recovery-block-unblock	User	
2014-11-19 00:00	2021-01-19 16:14	Base URL to update the status of consignment in the system.	http://172.24.2.66:9503/CEIR/update/consignmentStatus	User	


Figure 5: Home Page

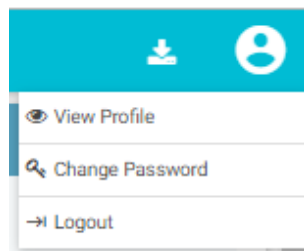
The Home page has all the feature menus on the left panel.


The center of the page is the Dashboard.

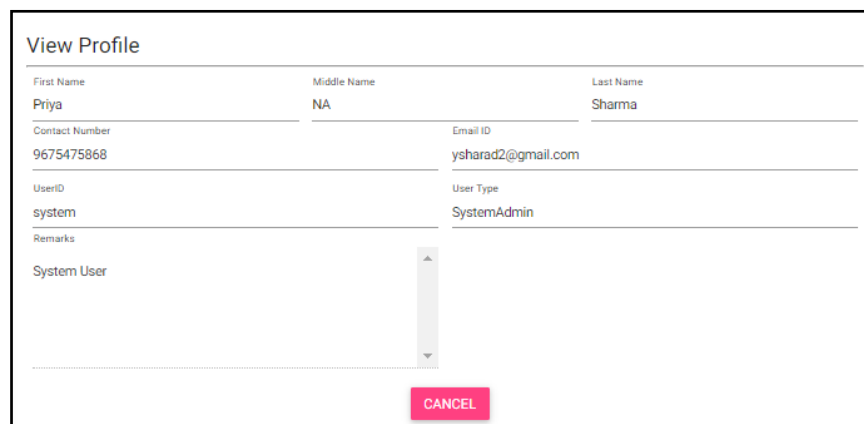
The top right corner of the screen displays the following menu options:

- **Download:** Click to download this user manual.

-  **(User profile):** Click on it to see the following menu:



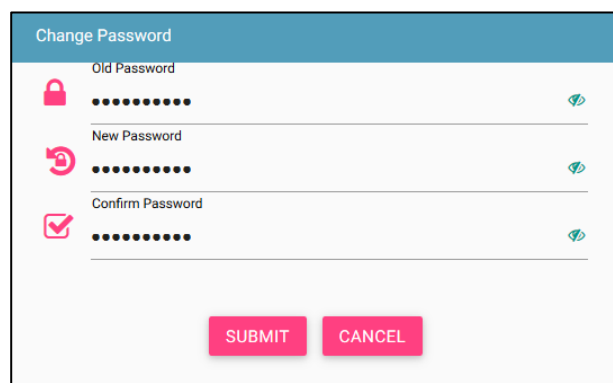
-  **(View Profile):** Click on it to view the registered information. The **View Profile** page opens.

A form titled 'View Profile' displaying user information. It has fields for First Name (Priya), Middle Name (NA), Last Name (Sharma), Contact Number (9675475868), Email ID (ysharad2@gmail.com), UserID (system), and User Type (SystemAdmin). There is a Remarks section with a text area containing 'System User' and a vertical scrollbar. A pink 'CANCEL' button is at the bottom right.

First Name	Middle Name	Last Name
Priya	NA	Sharma
Contact Number	Email ID	
9675475868	ysharad2@gmail.com	
UserID		User Type
system		SystemAdmin
Remarks		
System User		

Figure 6: View profile Information


-  **(Change Password):** Click on it change the login password.

A form titled 'Change Password' with three password fields: 'Old Password' with a lock icon, 'New Password' with a circular arrow icon, and 'Confirm Password' with a checkmark icon. Each field has a password strength indicator (dots) and a toggle icon (eye). At the bottom are pink 'SUBMIT' and 'CANCEL' buttons.

Change Password	
Old Password	••••••••
New Password	••••••••
Confirm Password	••••••••

Figure 7: Change Password



1. **Old Password:** Enter the existing password. Click  to see the password characters being entered. Click on it again to hide the password characters. This works like a toggle key.
2. **New Password:** Enter a new password.
3. **Confirm Password:** Re-enter the new password to confirm the password.
4. Click **SUBMIT**.

2.4 System Management

Using this feature, System admin can configure the system parameters. There are two types of parameters:

- System
- User

System parameter are not allowed to be changed and are configured at the time of installation.

User parameter can be changed by system admin. The parameter would come into effect from the next time the new request are processed.

To configure parameters:

1. Select **System Management** in the left panel.

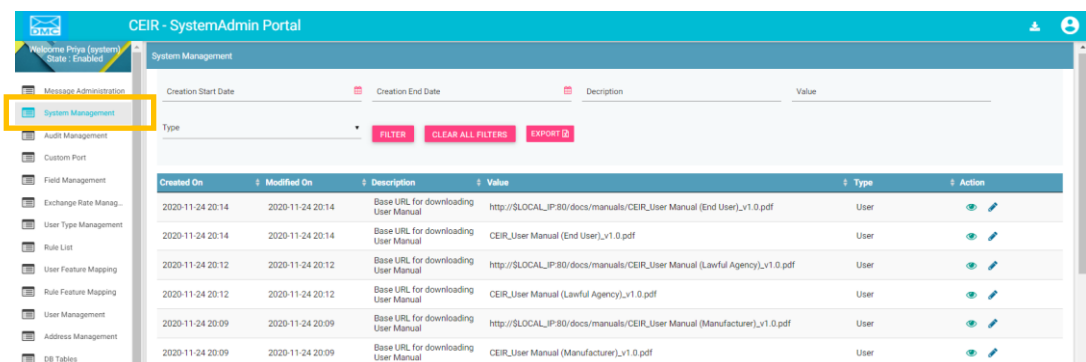




Figure 8: System Management – View All

The following columns are seen in the System Management Page

Column	Description
Created On	This is the date of installation of system.




Column	Description
Modified On	Date when parameter is last modified.
Description	Description of the parameter.
Value	Current Value assigned to the parameter.
Type	Whether the parameter is of System or User Type
Action	<p>This displays different actions that can be performed on the parameter.</p> <ul style="list-style-type: none">• View : This is used to view the parameter details.• Edit : This is used to modify the parameter details.

Refer to Annex 1 for complete list of messages.

2.5 Edit Parameter

System Admins can modify the parameter of type user.

To edit parameter:

1. Click **Edit**  against the parameter entry to be modified.
2. The **Edit User Parameter** page appears.

Edit System Configuration

Value *

CEIR_User Manual (Immigration)_v1.0.pdf

Description

Base URL for downloading Immigration User Manual

Type

User

Modified By

NA

Remarks

Remarks

UPDATE
CANCEL

Figure 9: System Management - Edit

3. Make the required changes.
4. Click **UPDATE**.

2.6 Filter Parameter

System Admins can view selective parameters by defining specific values in the listed fields. For example, System Admins can view all the user parameter.

To view specific parameter:

System Management

Creation Start Date
Creation End Date
Description
Value

Type

FILTER
CLEAR ALL FILTERS
EXPORT

Created On	Modified On	Description	Value	Type	Action
2020-01-16 00:00	2021-05-06 21:24	Country Code.	855	User	View Edit
2019-11-14 00:00	2021-05-06 18:25	Date that decide when year will change for register device	04-01	User	View Edit
2014-11-19 00:00	2021-05-06 14:58	Base URL to update the status of stock in the system	http://172.24.2.66:9503/CEIR/accept-reject/stock	User	View Edit
2020-05-04 12:05	2021-05-05 20:37	Maximum number of Operation Users allowed to be created in the CEIR system	5	User	View Edit
2021-01-27 19:20	2021-05-05 20:26	Count of Notifications to be displayed on User Dashboard	5	User	View Edit
2020-11-26 22:18	2021-02-08 15:43	Base URL for downloading Immigration User Manual	CEIR_User Manual (Immigration)_v1.0.pdf	User	View Edit
2020-11-26 22:18	2021-02-08 15:42	Base URL for downloading Immigration User Manual	http://\$LOCAL_IP:80/docs/manuals/CEIR_User Manual (Immigration)_v1.0.pdf	User	View Edit
2020-02-20 00:00	2021-01-25 17:44	Maximum number of days after which incomplete user will be removed from the CEIR system	22	User	View Edit

Figure 10: System Management – Filter Option

1. Enter the required value in one or more of the listed fields:
 - **Type:** Select the configuration parameter type



2. Click **FILTER**.

The parameter that matches the specified values is shown in the dashboard.

2.7 Message Management

Using this feature, System admin can configure the Email/SMS notification/message to be sent to the users. There are two types of channels using which message can be delivered:

- SMS
- Email

Message parameter can be changed by system admin. The parameter would come into effect from the next time the new requests are processed.

To configure message parameters:

2. Select **Message Management** in the left panel.

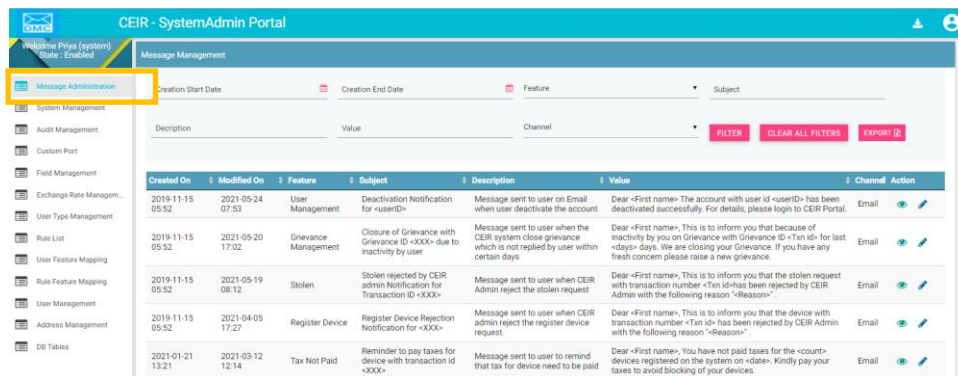




Figure 11: System Management – View All

The following columns are seen in the Message Management Page

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when message is last modified.
Feature	Which feature the message belongs to.
Subject	Subject of the message.
Description	Description of the message.
Value	Current Value assigned to the message.




Column	Description
Channel	Whether the channel is of SMS or E-mail
Action	<p>This displays different actions that can be performed on the message.</p> <ul style="list-style-type: none">View : This is used to view the message details.Edit : This is used to modify the message details.

Refer to Annex 2 for complete list of messages.

2.8 Edit Message

System Admins can modify the parameter of type user.

To edit parameter:

1. Click **Edit**  against the message entry to be modified.
2. The **Edit Message Management** page appears.

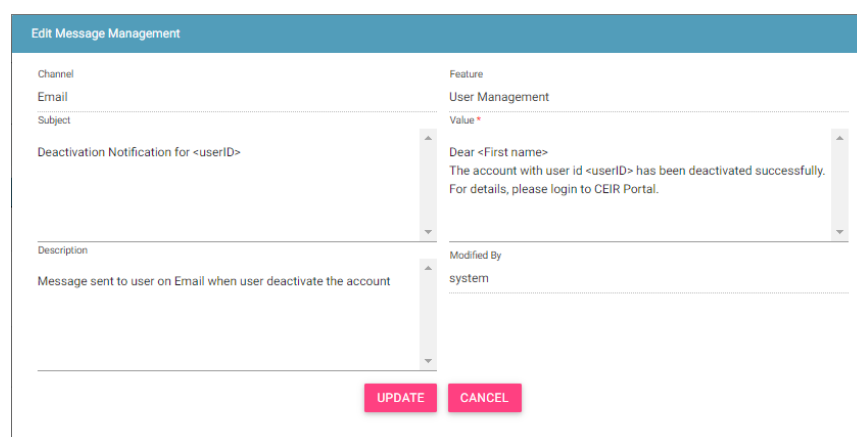


Figure 12: Message Management - Edit

3. Make the required changes.



4. Click **UPDATE**.

2.9 Filter Message

System Admins can view selective message by defining specific values in the listed fields. For example, System Admins can view the entire message sent on channel as email.

To view specific parameter:

Message Management							
Creation Start Date	Creation End Date	Feature	Subject	Description	Value	Channel	
							FILTER CLEAR ALL FILTERS EXPORT
Created On	Modified On	Feature	Subject	Description	Value	Channel	Action
2019-11-15 05:52	2021-05-24 07:53	User Management	Deactivation Notification for <userID>	Message sent to user on Email when user deactivate the account	Dear <First name> The account with user id <userID> has been deactivated successfully. For details, please login to CEIR Portal.	Email	
2019-11-15 05:52	2021-05-20 17:02	Grievance Management	Closure of Grievance with Grievance ID <XXX> due to inactivity by user	Message sent to user when the CEIR system close grievance which is not replied by user within certain days	Dear <First name>, This is to inform you that because of inactivity by you on Grievance with Grievance ID <Txn id> for last <days> days. We are closing your Grievance. If you have any fresh concern please raise a new grievance.	Email	
2019-11-15 05:52	2021-05-19 08:12	Stolen	Stolen rejected by CEIR admin Notification for Transaction ID <XXX>	Message sent to user when CEIR Admin reject the stolen request	Dear <First name>, This is to inform you that the stolen request with transaction number <Txn id> has been rejected by CEIR Admin with the following reason "<Reason>".	Email	
2019-11-15 05:52	2021-04-05 17:27	Register Device	Register Device Rejection Notification for <XXX>	Message sent to user when CEIR admin reject the register device request.	Dear <First name>, This is to inform you that the device with transaction number <Txn id> has been rejected by CEIR Admin with the following reason "<Reason>".	Email	
2021-01-21 13:21	2021-03-12 12:14	Tax Not Paid	Reminder to pay taxes for device with transaction id <XXX>	Message sent to user to remind that tax for device need to be paid	Dear <First name>, You have not paid taxes for the <count> devices registered on the system on <date>. Kindly pay your taxes to avoid blocking of your devices.	Email	

Figure 13: Message Management – Filter Option

1. Enter the required value in one or more of the listed fields:
 - **Type:** Select the configuration parameter type
2. Click **FILTER**.

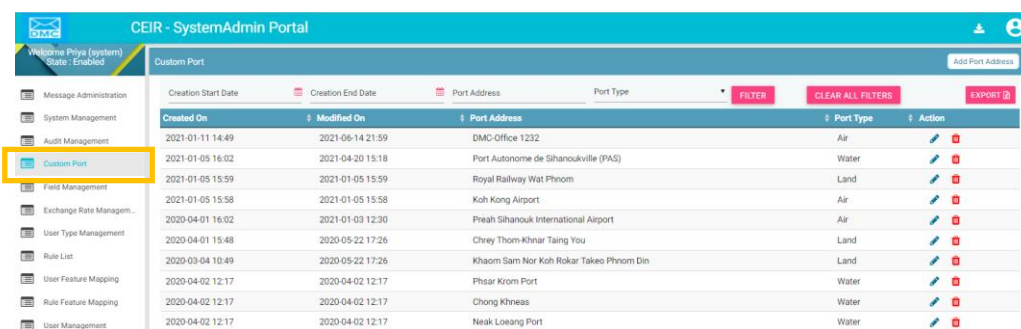
The parameter that matches the specified values is shown in the dashboard.

2.10 Custom Port

System Admins can configure the custom port information using this feature.

To configure custom port related parameters:

1. Select **Custom Port** in the left panel.



Created On	Modified On	Port Address	Port Type	Action
2021-01-11 14:49	2021-06-14 21:59	DMC-Office 1232	Air	
2021-01-05 16:02	2021-04-20 15:18	Port Autonome de Sihanoukville (PAS)	Water	
2021-01-05 15:59	2021-01-05 15:59	Royal Railway Wat Phnom	Land	
2021-01-05 15:58	2021-01-05 15:58	Koh Kong Airport	Air	
2020-04-01 16:02	2021-01-03 12:30	Preah Sihanouk International Airport	Air	
2020-04-01 15:48	2020-05-22 17:26	Chrey Thom-Khnar Taing You	Land	
2020-03-04 10:49	2020-05-22 17:26	Khaom Sam Nor Koh Rikar Takeo Phnom Din	Land	
2020-04-02 12:17	2020-04-02 12:17	Phsar Krom Port	Water	
2020-04-02 12:17	2020-04-02 12:17	Chong Khneas	Water	
2020-04-02 12:17	2020-04-02 12:17	Neak Loeng Port	Water	

Figure 14: Custom Port – View All

The following columns are seen in the Custom Port Page

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when message is last modified.
Port Type	Port Type: Water, Land and Air
Port Address	The address of the port.
Action	<p>This displays different actions that can be performed on the port parameter.</p> <ul style="list-style-type: none">View : This is used to view the parameter details.Edit : This is used to modify the parameter details.

2.11 Edit Port Parameters

System Admins can modify the port related parameter.

To edit parameter:

1. Click **Edit** () against the message entry to be modified.
2. The **Edit Custom Port** page appears.

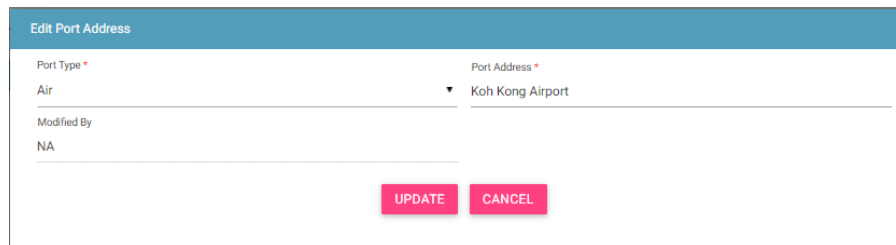


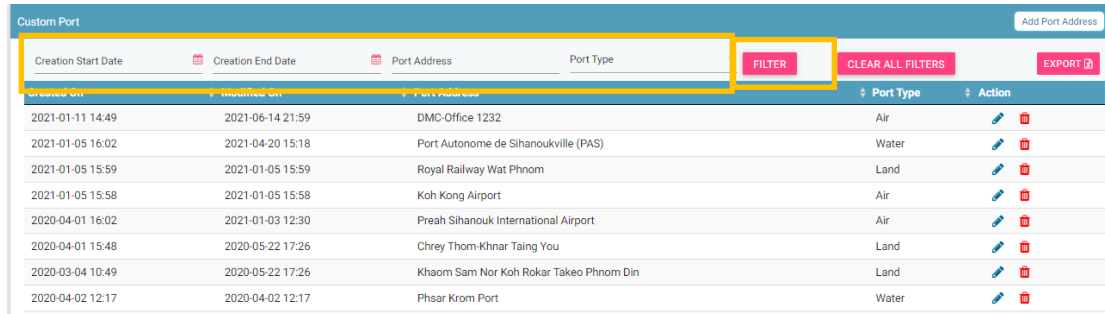
Figure 15: Custom Port - Edit

3. Make the required changes.
4. Click **UPDATE**.

2.12 Filter Custom Port

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire address for port type as Water.

To view specific parameter:



















Creation Start Date	Creation End Date	Port Address	Port Type	Action
2021-01-11 14:49	2021-06-14 21:59	DMC-Office 1232	Air	 
2021-01-05 16:02	2021-04-20 15:18	Port Autonome de Sihanoukville (PAS)	Water	 
2021-01-05 15:59	2021-01-05 15:59	Royal Railway Wat Phnom	Land	 
2021-01-05 15:58	2021-01-05 15:58	Koh Kong Airport	Air	 
2020-04-01 16:02	2021-01-03 12:30	Preah Sihanouk International Airport	Air	 
2020-04-01 15:48	2020-05-22 17:26	Chrey Thom-Khnar Taing You	Land	 
2020-03-04 10:49	2020-05-22 17:26	Khaom Sam Nor Koh Rokar Takeo Phnom Din	Land	 
2020-04-02 12:17	2020-04-02 12:17	Phsar Krom Port	Water	 

Figure 16: Custom Port – Filter Option

3. Enter the required value in one or more of the listed fields:
 - **Port Type:** Select the port type
4. Click **FILTER**.

The parameter that matches the specified values is shown in the dashboard.



2.13 Field Management

System Admins can configure the value of various fields in the CEIR system. The fields are the following types:

- 1) File Fields in the input file as uploaded by stakeholder. For example, importer uploads a file while registering the consignment. The file contains various fields like device type.
- 2) Form Field that is shown in the form as displayed to the user. For example, the custom registration form has drop down to list down all the port types like water, land and air.
- 3) Status Field that is shown in the various filters in the form. For example, there is various status of the consignment like NEW, PROCESSING etc. The system contains a state logic based on these field values.
- 4) System Fields that are shown in the various views in form of tables field values. For example, the alert can be raised or cleared. The value for same is displayed

To configure field parameters:

2. Select **Field Management** in the left panel.

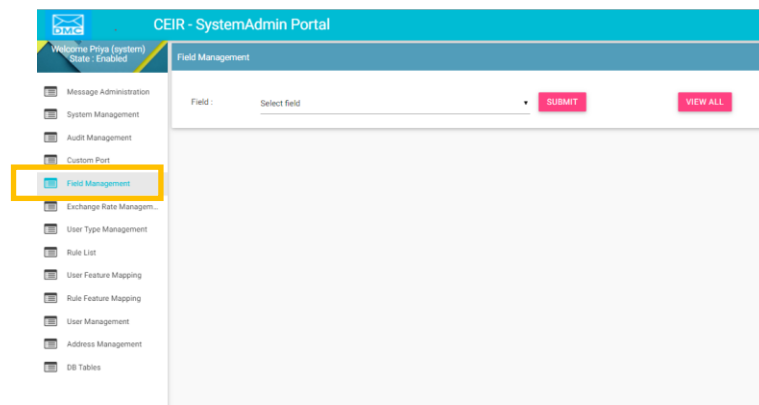




Figure 17: Field Management

The following columns are seen in the Field Management Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
Field	The tag assigned to the field.

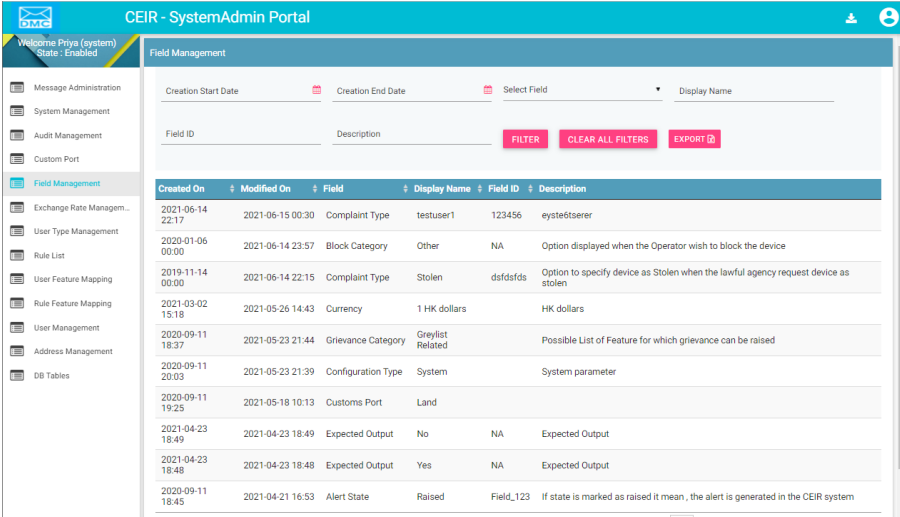


Column	Description
Display Name	The name that will be displayed on the form
Field ID	This is used in special scenarios
Description	Description of the field name
Action	<p>This displays different actions that can be performed on the field parameter.</p> <ul style="list-style-type: none">View : This is used to view the field parameter details.Edit : This is used to modify the field parameter details.

Field ID is used in special cases. For example, in case of document type, if any document like VAT is uploaded, then the same should be maintained in a separate folder.

View All parameters:

User has the option to view all the parameters together. Click on **View All** on field management home page. User can view all parameters described in the CEIR portal.



The screenshot shows the 'Field Management' page in the CEIR System Admin Portal. The page has a sidebar with navigation options: Message Administration, System Management, Audit Management, Custom Port, Field Management (selected), Exchange Rate Management, User Type Management, Rule List, User Feature Mapping, Rule Feature Mapping, User Management, Address Management, and DB Tables. The main content area displays a table of field parameters with columns: Created On, Modified On, Field, Display Name, Field ID, and Description. The table contains 10 rows of data.

Created On	Modified On	Field	Display Name	Field ID	Description
2021-06-14 22:17	2021-06-15 00:30	Complaint Type	testuser1	123456	eysteftseier
2020-01-06 00:00	2021-06-14 23:57	Block Category	Other	NA	Option displayed when the Operator wish to block the device
2019-11-14 00:00	2021-06-14 22:15	Complaint Type	Stolen	dsfdfsds	Option to specify device as Stolen when the lawful agency request device as stolen
2021-03-02 15:18	2021-05-26 14:43	Currency	1 HK dollars		HK dollars
2020-09-11 18:37	2021-05-23 21:44	Grievance Category	Greylist Related		Possible List of Feature for which grievance can be raised
2020-09-11 20:03	2021-05-23 21:39	Configuration Type	System		System parameter
2020-09-11 19:25	2021-05-18 10:13	Customs Port	Land		
2021-04-23 18:49	2021-04-23 18:49	Expected Output	No	NA	Expected Output
2021-04-23 18:48	2021-04-23 18:48	Expected Output	Yes	NA	Expected Output
2020-09-11 18:45	2021-04-21 16:53	Alert State	Raised	Field_123	If state is marked as raised it mean, the alert is generated in the CEIR system

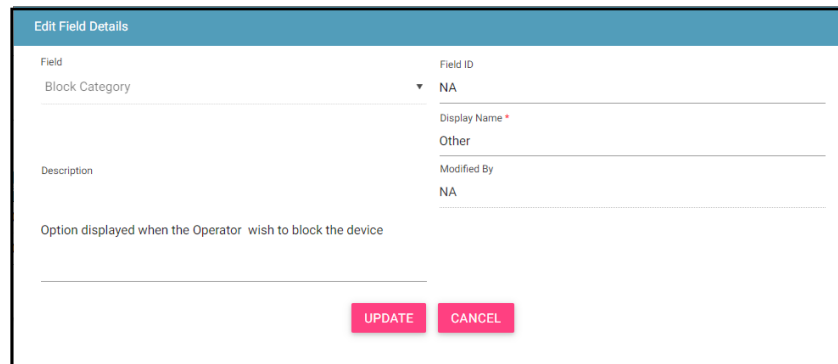
Figure 18: Field Management – View All

2.14 Edit Field Parameters

System Admins can modify the field related parameter.

To edit parameter:

1. Click **Edit** (✎) against the field parameter entry to be modified.
2. The **Edit Field Management** page appears.



The 'Edit Field Details' form contains the following fields:

- Field:** Block Category
- Field ID:** NA
- Display Name:** Other
- Modified By:** NA
- Description:** Option displayed when the Operator wish to block the device

At the bottom of the form are two buttons: **UPDATE** and **CANCEL**.

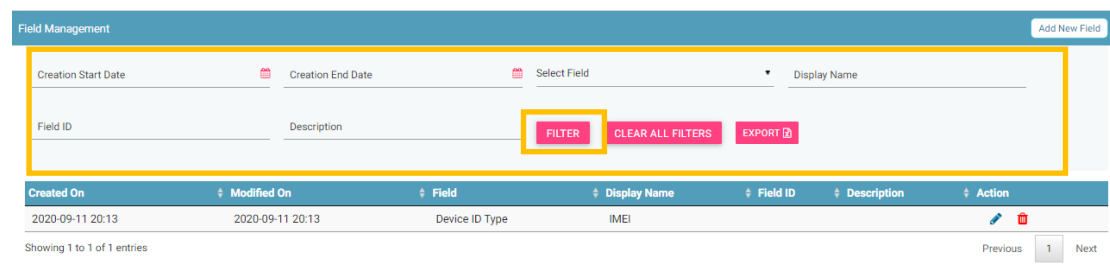
Figure 19: Field Management - Edit

3. Make the required changes.
4. Click **UPDATE**.

2.15 Filter Field Management

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire parameter list for a given field type

To view specific parameter:





The 'Field Management' interface includes a filter section with the following fields:

- Creation Start Date**
- Creation End Date**
- Select Field** (dropdown menu)
- Display Name**
- Field ID**
- Description**

Below the filter fields are three buttons: **FILTER**, **CLEAR ALL FILTERS**, and **EXPORT** (with a download icon).

The table below the filter section displays the following data:

Created On	Modified On	Field	Display Name	Field ID	Description	Action
2020-09-11 20:13	2020-09-11 20:13	Device ID Type	IMEI			 

At the bottom of the table, it says 'Showing 1 to 1 of 1 entries'. On the right side, there are 'Previous', '1', and 'Next' navigation buttons.

Figure 20: Field Management – Filter Option

1. Enter the required value in one or more of the listed fields:
 - **Field:** Select Field



2. Click **FILTER**.

The parameter that matches the specified values is shown in the dashboard.

2.16 Add new field in Field Management

System Admins can add a new value to existing field in the CEIR system. For example, System Admins can add a new field value in existing field say “block category”. Once the value is added, then the same is displayed in the drop-down option when the operator block the IMEI.

To add new value to specific field:

The screenshot shows the 'Field Management' interface. At the top right, there is a button labeled 'Add New Field' which is highlighted with a yellow rectangle. Below this, there are filters for 'Creation Start Date', 'Creation End Date', 'Select Field', and 'Display Name'. A table lists fields with columns: Created On, Modified On, Field, Display Name, Field ID, Description, and Action. One entry is visible: 'Device ID Type' with 'IMEI' as the display name. At the bottom right, there are 'Previous', '1', and 'Next' navigation buttons.

Figure 21: Field Management – Add new field

1. Select the field
2. Once field value is displayed, Select the Add New Field option
3. Enter the required value

The screenshot shows the 'Add New Field' form. It has a 'Field' dropdown menu with 'Device ID Type' selected, and a 'Field ID' input field. Below these is a 'Display Name' input field with a red asterisk indicating it is required. There is also a 'Description' input field. At the bottom, there are 'SUBMIT' and 'CANCEL' buttons, with the 'SUBMIT' button highlighted by a yellow rectangle.

Figure 22: Field Management – Add Value Option

The following columns are seen in the Field Management Page once a form to add a new value is selected:



Column	Description
Created On	Date of creation
Modified On	Date of last modification
Field	Field for which new value is to be added.
Description	The description of the value
Display Name	The value to be shown.
Field ID	To be used in special scenarios.

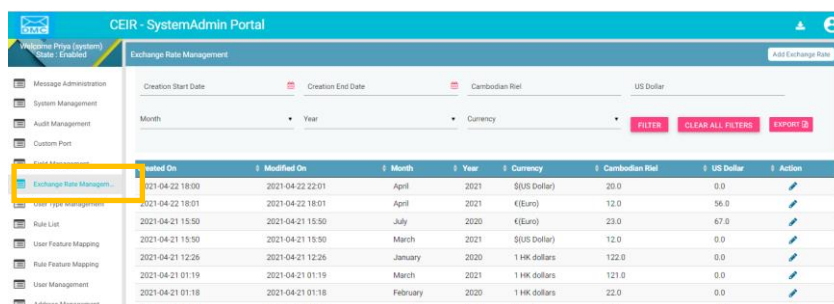
Click **Submit**. The new parameter is saved.

2.17 Exchange Rate Management

System Admins can configure the Exchange Rate on monthly basis for all supported currency in the CEIR system.

To configure Exchange Rate parameters:

1. Select **Exchange Rate Management** in the left panel.




Created On	Modified On	Month	Year	Currency	Cambodian Riel	US Dollar	Action
2021-04-22 18:00	2021-04-22 22:01	April	2021	\$(US Dollar)	20.0	0.0	
2021-04-22 18:01	2021-04-22 18:01	April	2021	€(Euro)	12.0	56.0	
2021-04-21 15:50	2021-04-21 15:50	July	2020	€(Euro)	23.0	67.0	
2021-04-21 15:50	2021-04-21 15:50	March	2021	\$(US Dollar)	12.0	0.0	
2021-04-21 12:26	2021-04-21 12:26	January	2020	1 HK dollars	122.0	0.0	
2021-04-21 01:19	2021-04-21 01:19	March	2021	1 HK dollars	121.0	0.0	
2021-04-21 01:18	2021-04-21 01:18	February	2020	1 HK dollars	22.0	0.0	

Figure 23: Exchange Rate Management – View All

The following columns are seen in the Field Management Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.



Column	Description
Month	The month for which the conversion rate is valid.
Currency	Currency for which the conversion rate is provided.
Year	Year for which the conversion date is provided.
Cambodian Riel	The conversion rate in Cambodian Riel.
US Dollar	The conversion rate in US Dollar.
Action	<div>This displays different actions that can be performed on the currency parameter.<ul style="list-style-type: none">Edit : This is used to modify the field parameter details.</div>

For example, if the currency is Euro, then the conversion rate is mentioned as follows


Value in Cambodian Riel is 4535.52 as 1 Euro is equal to 4535.52 Cambodian Riel

Value in Dollar is 1.12 as 1 Euro is equal to 1.12 US Dollar.

2.18 Edit Exchange Rate Parameters

System Admins can modify the Exchange Rate related parameter.

To edit parameter:

- Click **Edit**  against the field parameter entry to be modified.
- The **Edit Field Management** page appears.

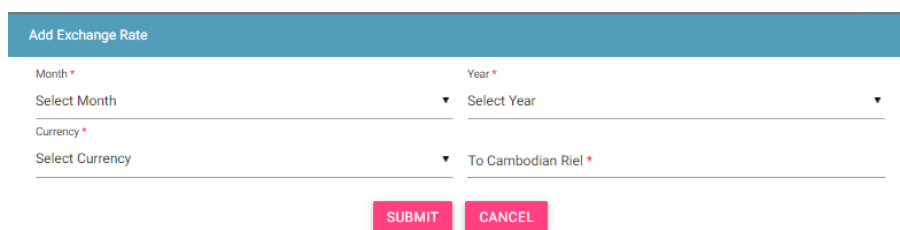


Figure 24: Currency Management - Edit



7. Make the required changes.
8. Click **UPDATE**.

2.19 Filter Currency Management

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire parameter list for a given field type

To view specific parameter:

The screenshot shows the 'Exchange Rate Management' interface. At the top, there's a header bar with the title 'Exchange Rate Management' and a button 'Add Exchange Rate'. Below this is a filter section with fields for 'Creation Start Date', 'Creation End Date', 'Cambodian Riel', and 'US Dollar'. There are also dropdowns for 'Month' and 'Year', and a 'Currency' dropdown. A 'FILTER' button is highlighted with a yellow box. To the right of the filter section are buttons for 'CLEAR ALL FILTERS' and 'EXPORT'. Below the filter section is a table with the following data:

Created On	Modified On	Month	Year	Currency	Cambodian Riel	US Dollar	Action
2021-04-22 18:00	2021-04-22 22:01	April	2021	\$(US Dollar)	20.0	0.0	
2021-04-22 18:01	2021-04-22 18:01	April	2021	€(Euro)	12.0	56.0	
2021-04-21 15:50	2021-04-21 15:50	July	2020	€(Euro)	23.0	67.0	
2021-04-21 15:50	2021-04-21 15:50	March	2021	\$(US Dollar)	12.0	0.0	
2021-04-21 12:26	2021-04-21 12:26	January	2020	1 HK dollars	122.0	0.0	
2021-04-21 01:19	2021-04-21 01:19	March	2021	1 HK dollars	121.0	0.0	
2021-04-21 01:18	2021-04-21 01:18	February	2020	1 HK dollars	22.0	0.0	

Figure 25: Field Management – Filter Option

4. Enter the required value in one or more of the listed fields:
 - **Start Date:** Select Start Date
 - **End Date:** Select End Date
 - **Cambodian Riel:** Value in Cambodian Riel
 - **US Dollar:** Value in US Dollar
 - **Month:** Select Month
 - **Year:** Select year
 - **Currency:** Drop containing the currency list.
5. Click **FILTER**.

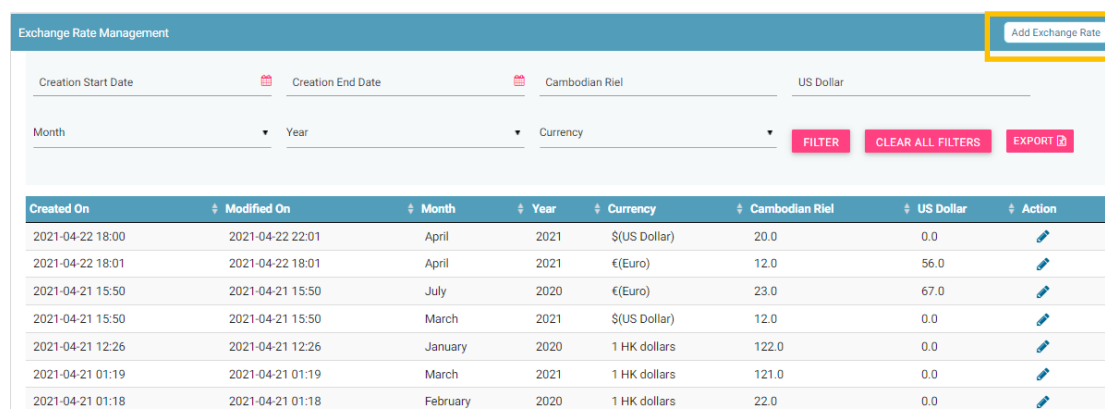
The parameter that matches the specified values is shown in the dashboard.



2.20 Add Currency Management

System Admins can add a new conversion rate for a month for all the supported currency in the CEIR system.

To add new conversion rate to given currency:

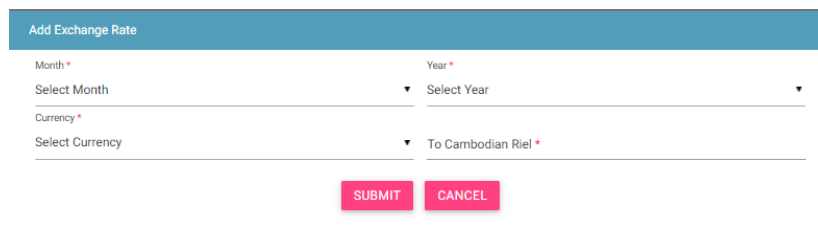


Created On	Modified On	Month	Year	Currency	Cambodian Riel	US Dollar	Action
2021-04-22 18:00	2021-04-22 22:01	April	2021	\$(US Dollar)	20.0	0.0	
2021-04-22 18:01	2021-04-22 18:01	April	2021	€(Euro)	12.0	56.0	
2021-04-21 15:50	2021-04-21 15:50	July	2020	€(Euro)	23.0	67.0	
2021-04-21 15:50	2021-04-21 15:50	March	2021	\$(US Dollar)	12.0	0.0	
2021-04-21 12:26	2021-04-21 12:26	January	2020	1 HK dollars	122.0	0.0	
2021-04-21 01:19	2021-04-21 01:19	March	2021	1 HK dollars	121.0	0.0	
2021-04-21 01:18	2021-04-21 01:18	February	2020	1 HK dollars	22.0	0.0	

Figure 26: Field Management – Filter Option

6. Select the Add Currency option

7. Enter the required value



Add Exchange Rate

Month *
Select Month

Year *
Select Year

Currency *
Select Currency

To Cambodian Riel *

SUBMIT CANCEL

Figure 27: Currency Management – Add Option

The following columns are seen in the Add Currency Page once a form is selected:

Column	Description
Month	The month for which the conversion rate is valid.
Currency	Currency for which the conversion rate is provided.
Year	Year for which conversion rate is valid.
Cambodian Riel	The conversion rate in Cambodian Riel.
Dollar	The conversion rate in US Dollar.



1. Click **Submit**.

The conversion rate for currency is saved.

2.21 Audit Management

System Admins can view all the user related activity via this feature

To view user activity:

2. Select **Audit Management** in the left panel.

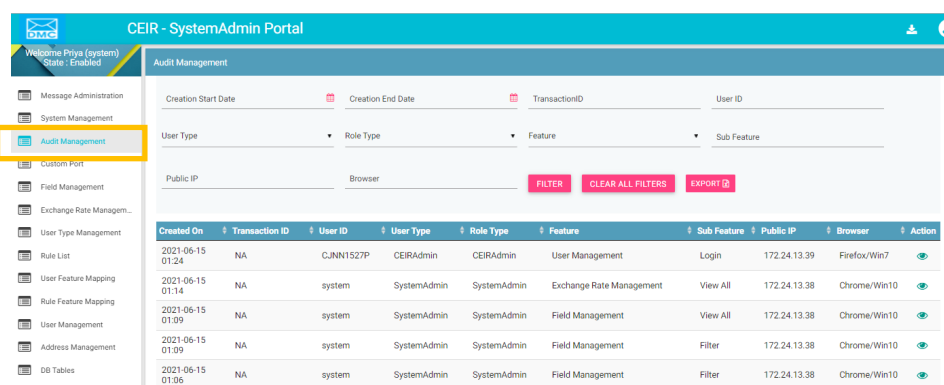



Figure 28: Audit Management – View All

The following columns are seen in the Audit Management Page once a form field is selected:

Column	Description
Created On	The date when the activity is performed.
Transaction ID	Transaction ID if any related to that activity. It can also include user name in case of user management related activity
User ID	User name of the Stakeholder.
User Type	User Type like Importer
Role Type	Role type like Importer/Retailer/Distributor
Feature	Name of the feature on which the activity is performed.

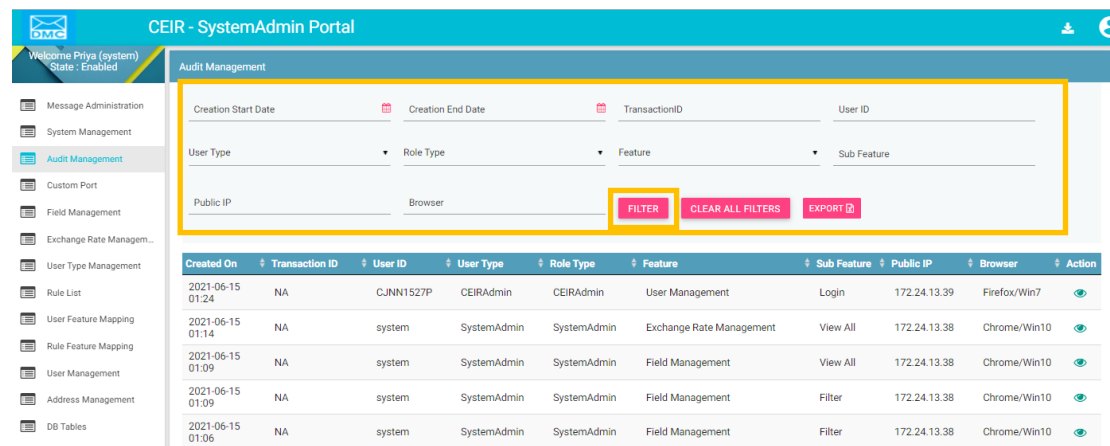


Column	Description
Sub Feature	The conversion rate in US Dollar.
Public IP	IP of the user machine.
Browser	User's browser details.
Action	This displays different actions that can be performed on the activity. <ul style="list-style-type: none">View : This is used to view the activity details.

2.22 Filter Audit Management

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire parameter list for a given field type

To view specific parameter:



The screenshot shows the 'CEIR - SystemAdmin Portal' interface. On the left is a sidebar with navigation links: Message Administration, System Management, Audit Management (highlighted), Custom Port, Field Management, Exchange Rate Managem..., User Type Management, Rule List, User Feature Mapping, Role Feature Mapping, User Management, Address Management, and DB Tables. The main content area is titled 'Audit Management'. It contains a filter section with fields for Creation Start Date, Creation End Date, TransactionID, User ID, User Type, Role Type, Feature, Sub Feature, Public IP, and Browser. Below these fields are buttons for 'FILTER', 'CLEAR ALL FILTERS', and 'EXPORT'. A table below the filter section displays audit data with columns: Created On, Transaction ID, User ID, User Type, Role Type, Feature, Sub Feature, Public IP, Browser, and Action. The table contains five rows of data.

Figure 29: Audit Management – Filter Option

1. Enter the required value in one or more of the listed fields:

- **Start Date:** Select Start Date
- **End Date:** Select End Date
- **Transaction ID:** Enter Transaction ID
- **User ID:** Enter User ID
- **User Type:** Select the user type from dropdown.



- **Role Type:** Select Role type from dropdown.
- **Feature:** Select Feature Name
- **Sub Feature:** Select Sub Feature Name
- **Public IP:** Enter public ip
- **Browser:** Enter browser

2. Click **FILTER**.

The parameter that matches the specified values is shown.

2.23 User Type Management

System Admins can enable/disable user type available in the CEIR system. User type denote category of user. There can be two types of users:

- Internal User
- External User

External users are registered through the portal by self-registration method whereas Internal users are registered by System Admin.

To view user types:


1. Select **User Type Management** in the left panel.

Created On	Modified On	User Type	Status	Action
2020-01-16 00:00:00	2020-01-16 00:00:00	Importer	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Retailer	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Custom	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	CEIRAdmin	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Operator	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Manufacturer	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	SystemAdmin	Enable	

Figure 30: Policy Management – View All

The following columns are seen in the Field Management Page once a form field is selected:




Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
User Type	The description of the user type.
Status	Whether this user type is enabled or not in the system.
Action	<div>This displays different actions that can be performed on the currency parameter.<ul style="list-style-type: none">Edit : This is used to modify the policy parameter details.</div>

2.24 Edit User type

System Admins can enable/disable the user type.

To edit user type:

1. Click **Edit** () against the user type entry to be modified.
2. The **Change user type status** page appears.

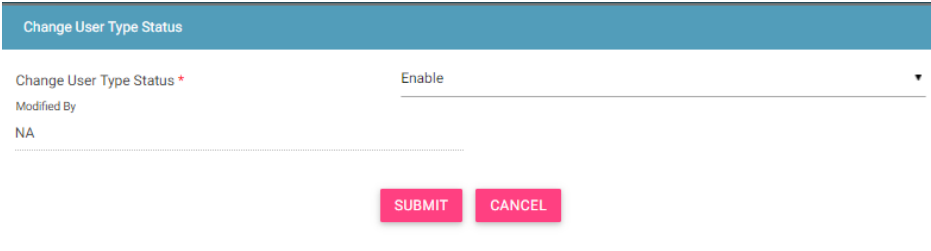


Figure 31: User Type Management - Edit

3. Make the required changes.
4. Click **UPDATE**.



2.25 Filter User Type Management

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire user list for a type as enabled.

To view specific parameter:

The screenshot shows the 'User Type Management' interface. At the top, there are four filter fields: 'Creation Start Date', 'Creation End Date', 'User Type', and 'Status'. Below these fields are three buttons: 'FILTER', 'CLEAR ALL FILTERS', and 'EXPORT'. The 'FILTER' button is highlighted with a yellow box. Below the buttons is a table with the following data:

Created On	Modified On	User Type	Status	Action
2020-01-16 00:00:00	2020-01-16 00:00:00	Importer	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Retailer	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Custom	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	CEIRAdmin	Enable	
2020-01-16 00:00:00	2020-01-16 00:00:00	Operator	Enable	

Figure 32: User Type Management – Filter Option

3. Enter the required value in one or more of the listed fields:
 - **Creation start and end date:** Select start and end date
 - **User Type:** Select Type
 - **Status:** Select Status
4. Click **FILTER**.

The parameter that matches the specified values is shown in the dashboard.

2.26 Rule List

System Admins can view all the rules defined in the system. Rules will be applied when the user requests like upload stock, register consignments, stolen/recovery requests are processed by the system processes.

To view rules applied:

2. Select **Rule list** in the left panel.

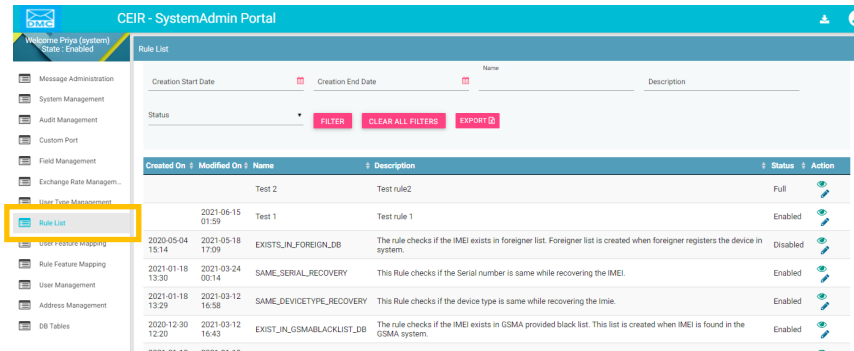




Figure 33: Rule List – View All


The following columns are seen in the Rule List Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
Name	Name of the rule
Description	The description of the rule.
Status	Whether this parameter is enabled or not in the system.
Action	<p>This displays different actions that can be performed on the currency parameter.</p> <ul style="list-style-type: none"> Edit : This is used to modify the policy parameter details. View : This is used to view the policy parameter details.

2.27 Edit Rule List

System Admins can modify the rule list parameter.

To edit parameter:

- Click **Edit**  against the rule list entry to be modified.
- The **Edit Rule list** page appears.



The 'Edit Rule List' form contains the following fields:

- Name:** Test 2
- Description:** Test rule2
- State:** Enabled
- Modified By:** NA

At the bottom of the form are two buttons: **UPDATE** and **CANCEL**.

Figure 34: Rule List- Edit

7. Make the required changes.
8. Click **UPDATE**.

2.28 Filter Rule list

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire rules list for a type as enabled.

To view specific rule:

The screenshot shows the 'Rule List' interface with a filter box highlighted. The filter box contains the following fields:

- Creation Start Date**
- Creation End Date**
- Name**
- Description**
- Status**

Below the filter box are three buttons: **FILTER**, **CLEAR ALL FILTERS**, and **EXPORT**.

The table below shows the list of rules:

Created On	Modified On	Name	Description	Status	Action
		Test 2	Test rule2	Full	
2021-06-15 01:59		Test 1	Test rule 1	Enabled	
2020-05-04 15:14	2021-05-18 17:09	EXISTS_IN_FOREIGN_DB	The rule checks if the IMEI exists in foreigner list. Foreigner list is created when foreigner registers the device in system.	Disabled	
2021-01-18 13:30	2021-03-24 00:14	SAME_SERIAL_RECOVERY	This Rule checks if the Serial number is same while recovering the IMEI.	Enabled	
2021-01-18 13:29	2021-03-12 16:58	SAME_DEVICE_TYPE_RECOVERY	This Rule checks if the device type is same while recovering the Imie.	Enabled	
2020-12-30 12:20	2021-03-12 16:43	EXIST_IN_GSMABLACKLIST_DB	The rule checks if the IMEI exists in GSMA provided black list. This list is created when IMEI is found in the GSMA system.	Enabled	

Figure 35: Rule List – Filter Option

1. Enter the required value in one or more of the listed fields:
 - **Start and end dates:** Select dates
 - **Name :** Select Name
 - **Description :** Select Description
 - **Status:** Select Status
2. Click **FILTER**.



The rules that match the specified values is shown in the dashboard.

2.29 User Feature Mapping

System Admins can configure the user feature mapping in the CEIR system.

To configure user feature mapping:

3. Select **User Feature Mapping** in the left panel.

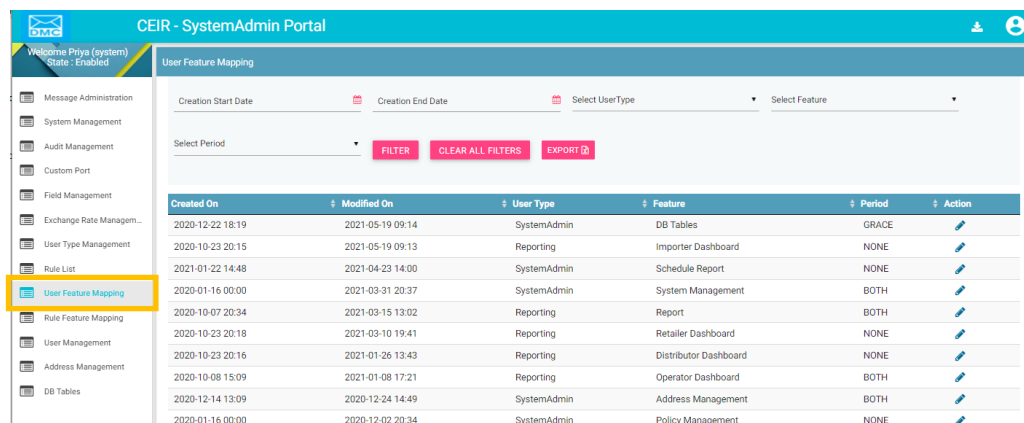



Figure 36: User Feature Mapping – View All

The following columns are seen in the user feature mapping Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
User Type	The description of the user type.
Feature	Feature which is to be enabled/disabled for the user type
Period	CEIR period for which this parameter is applicable The value can be grace, post-grace or both.
Action	This displays different actions that can be performed on the currency parameter. <ul style="list-style-type: none">Edit : This is used to modify the policy parameter details.

2.30 Edit user feature mapping

System Admins can modify the user feature mapping.

To edit parameter:

1. Click **Edit** (✎) against the policy parameter entry to be modified.
2. The **Edit User Feature Mapping** page appears.

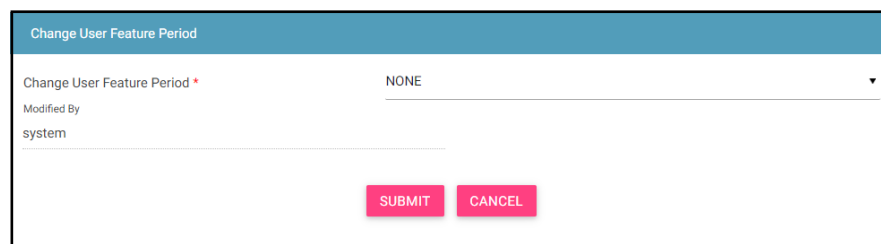


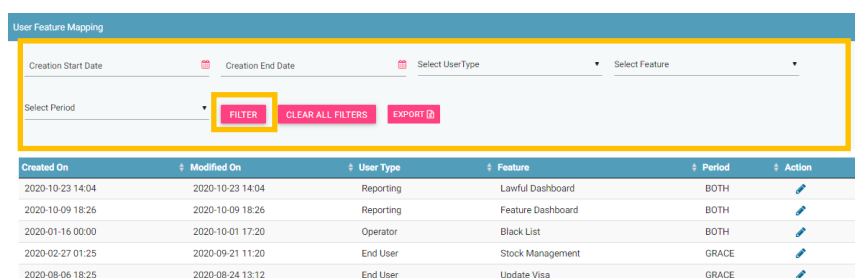
Figure 37: User Feature Mapping - Edit

3. Make the required changes.
4. Click **UPDATE**.

2.31 Filter User Feature Mapping

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire parameter list for a type as enabled.

To view specific user feature mapping:



Created On	Modified On	User Type	Feature	Period	Action
2020-10-23 14:04	2020-10-23 14:04	Reporting	Lawful Dashboard	BOTH	✎
2020-10-09 18:26	2020-10-09 18:26	Reporting	Feature Dashboard	BOTH	✎
2020-01-16 00:00	2020-10-01 17:20	Operator	Black List	BOTH	✎
2020-02-27 01:25	2020-09-21 11:20	End User	Stock Management	GRACE	✎
2020-08-06 18:25	2020-08-24 13:12	End User	Update Visa	GRACE	✎

Figure 38: User Feature Mapping – Filter Option

3. Enter the required value in one or more of the listed fields:
 - **Date:** Select date
 - **User Type:** Select Type
 - **Feature:** Select feature



- **Period:** Select Period

4. Click **FILTER**.

The user types that match the specified values are shown in the dashboard.

2.32 Rule Feature Mapping

System Admins can configure rule feature mapping in the CEIR system.

To configure rule feature mapping:

4. Select **Rule Feature Mapping** in the left panel.

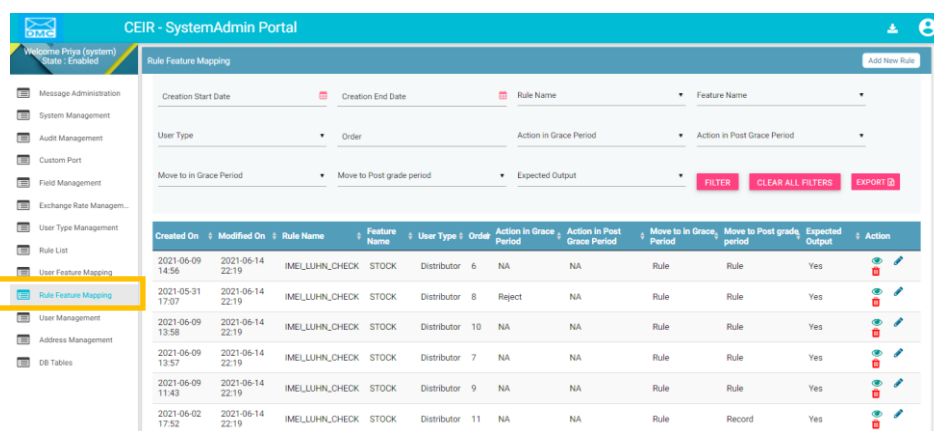





Figure 39: Rule Feature Mapping – View All

The following columns are seen in the Rule Feature Mapping Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
Rule Name	The Rule Name.
Feature Name	Feature name
User Type	Select User Type for which this rule will be applicable
Order	Order in which this rule will be executed
Action in Grace Period	Whether action is to be taken in grace period or not




Column	Description
Action in Port Grace Period	Whether action is to be taken in post grace period
Move to in Grace period	Moved to in grace period
Move to Post Grace Period	Move to post grace period
Expected Output	Expected output for the rule
Action	<p>This displays different actions that can be performed on the currency parameter.</p> <ul style="list-style-type: none">• Edit : This is used to modify the user feature mapping.• View : This is used to view the user feature mapping.• Delete : This is used to delete the rule feature mapping.

2.33 Edit Rule Feature Mapping

System Admins can modify the rule feature mapping.

To edit parameter:

1. Click **Edit**  against the rule feature entry to be modified.
2. The **Edit Rule Feature Mapping** page appears.



Edit Rule Feature Mapping

Rule Name *

IMEI_LUHN_CHECK

User Type *

Distributor

Action in Grace Period *

NA

Move to in Grace Period *

Rule

Expected Output *

Yes

Feature Name *

STOCK

Order *

6

Action in Post Grace Period *

NA

Move to Post grade period *

Rule

Modified By

system

UPDATE

CANCEL

Figure 40: Rule Feature Mapping - Edit

3. Make the required changes.
4. Click **UPDATE**.

2.34 Filter Rule Feature Mapping

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the entire rule feature mapping for a type as enabled.

To view specific rule feature mapping:

Rule Feature Mapping

Add New Rule

Creation Start Date

Creation End Date

Rule Name

Feature Name

User Type

Order

Action in Grace Period

Action in Post Grace Period

Move to in Grace Period

Move to Post grade period

Expected Output

FILTER

CLEAR ALL FILTERS

EXPORT

Created On	Modified On	Rule Name	Feature Name	User Type	Order	Action in Grace Period	Action in Post Grace Period	Move to in Grace Period	Move to Post grade period	Expected Output	Action
2021-06-09 14:56	2021-06-14 22:19	IMEI_LUHN_CHECK	STOCK	Distributor	6	NA	NA	Rule	Rule	Yes	
2021-05-31 17:07	2021-06-14 22:19	IMEI_LUHN_CHECK	STOCK	Distributor	8	Reject	NA	Rule	Rule	Yes	
2021-06-09 13:58	2021-06-14 22:19	IMEI_LUHN_CHECK	STOCK	Distributor	10	NA	NA	Rule	Rule	Yes	
2021-06-09 13:57	2021-06-14 22:19	IMEI_LUHN_CHECK	STOCK	Distributor	7	NA	NA	Rule	Rule	Yes	
2021-06-09 11:43	2021-06-14 22:19	IMEI_LUHN_CHECK	STOCK	Distributor	9	NA	NA	Rule	Rule	Yes	
2021-06-02 17:52	2021-06-14 22:19	IMEI_LUHN_CHECK	STOCK	Distributor	11	NA	NA	Rule	Record	Yes	

Figure 41: Rule Feature Mapping – Filter Option

1. Enter the required value in one or more of the listed fields:
 - **Rule Name:** Name of the rule
 - **Feature Name:** Feature name
 - **User Type:** This rule will be applicable to which user type



- **Order:** Order in which this rule will be executed
- **Action in Grace Period:** Action that will be performed in Grace period on this rule.
- **Action in Post Grace Period:** Action that will be performed in Post Grace period on this rule.
- **Move to in Grace Period:** Move to in Grace Period
- **Move to Post Grace Period:** Move to post grace period
- **Expected Output:** Expected output

2. Click **FILTER**.

The parameter that matches the specified values is shown in the dashboard.

2.35 User Management

System Admins can configure the internal users in the CEIR system.

To configure Users:

1. Select **User Management** in the left panel.

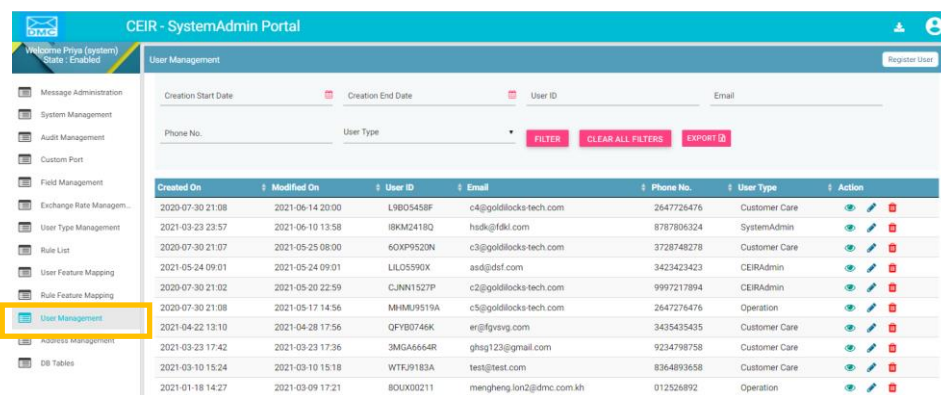





Figure 42: User Management – View All

The following columns are seen in the User Management Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
User ID	User ID




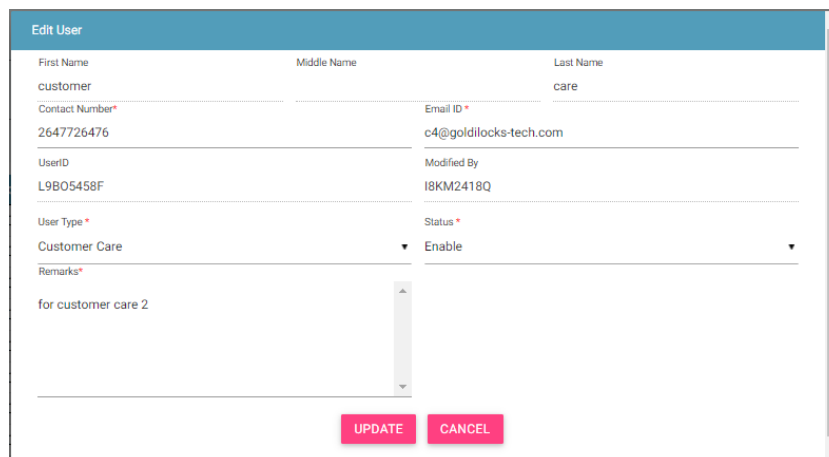
Column	Description
Email	Email ID of the user
Phone No	Phone number of the user
User Type	User Type
Action	<p>This displays different actions that can be performed on the user.</p> <ul style="list-style-type: none">• Edit : This is used to modify the user details.• View : This is used to view the user details.• Delete : This is used to delete the user permanently.

2.36 Edit Users information

System Admins can modify the user information.

To edit user information:

1. Click **Edit** () against the user entry to be modified.
2. The **Edit User** page appears.



The screenshot shows the 'Edit User' form. It has a header bar with the title 'Edit User'. Below the header, there are several input fields and dropdown menus. The 'First Name' field contains 'customer', 'Middle Name' is empty, and 'Last Name' contains 'care'. The 'Contact Number*' field contains '2647726476'. The 'Email ID*' field contains 'c4@goldilocks-tech.com'. The 'UserID' field contains 'L9B05458F'. The 'Modified By' field contains 'IBKM2418Q'. The 'User Type*' dropdown menu is set to 'Customer Care'. The 'Status*' dropdown menu is set to 'Enable'. The 'Remarks*' field contains 'for customer care 2'. At the bottom of the form, there are two buttons: 'UPDATE' and 'CANCEL'.

Figure 43: User Management - Edit

3. Make the required changes.
4. Click **UPDATE**.



2.37 Filter Users

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view specific user detail.

To view specific user details:

Created On	Modified On	User ID	Email	Phone No.	User Type	Action
2020-07-30 21:08	2021-06-14 20:00	L9B05458F	c4@goldilocks-tech.com	2647726476	Customer Care	
2021-03-23 23:57	2021-06-10 13:58	l8KM2418Q	hskd@fdkl.com	8787806324	SystemAdmin	
2020-07-30 21:07	2021-05-25 08:00	60XP9520N	c3@goldilocks-tech.com	3728748278	Customer Care	
2021-05-24 09:01	2021-05-24 09:01	L1LO5590X	asd@dsf.com	3423423423	CEIRAdmin	
2020-07-30 21:02	2021-05-20 22:59	CJNN1527P	c2@goldilocks-tech.com	9997217894	CEIRAdmin	
2020-07-30 21:08	2021-05-17 14:56	MHMMU9519A	c5@goldilocks-tech.com	2647276476	Operation	
2021-04-22 13:10	2021-04-28 17:56	QFYB0746K	er@fgvsvvg.com	3435435435	Customer Care	

Figure 44: User Management – Filter Option

3. Enter the required value in one or more of the listed fields:

- **Date** : Select date
- **User ID**: user ID which is system generated
- **Email**: Email ID of the user
- **Phone No.:** Contact number of the user
- **User Type**: Type of the user

4. Click **FILTER**.

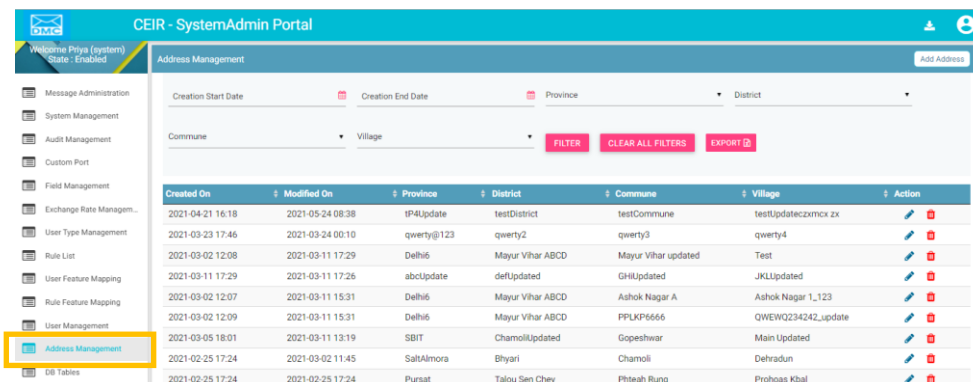
The user details that match the specified values are shown in the dashboard.

2.38 Address Management



System Admins can configure the address in the CEIR system.

To configure addresses:

2. Select **Address Management** in the left panel.

**Figure 45: Address Management – View All**

The following columns are seen in the Address Management Page once a form field is selected:

Column	Description
Created On	This is the date of installation of system.
Modified On	Date when field is last modified.
Province	Province details
District	District details
Commune	Commune details
Village	Village details
Action	<p>This displays different actions that can be performed on the address details.</p> <ul style="list-style-type: none">Edit : This is used to modify the address details.Delete : This is used to delete the address details.

2.39 Edit Address details

System Admins can modify the Address details.

To edit parameter:



1. Click **Edit** (✎) against the address details to be modified.
2. The **Edit Address Management** page appears.

Update Address

☐ Province ☐ District ☐ Commune ☐ Village

CANCEL

Figure 46: Address Management - Edit

3. Make the required changes.
4. Click **UPDATE**.

2.40 Filter Address Management

System Admins can view selective information by defining specific values in the listed fields. For example, System Admins can view the address details based on a specific parameter value.

To view specific address details:

Address Management Add Address

Creation Start Date Creation End Date Province District

Commune Village FILTER CLEAR ALL FILTERS EXPORT

Created On	Modified On	Province	District	Commune	Village	Action
2021-04-21 16:18	2021-05-24 08:38	tp4Update	testDistrict	testCommune	testUpdateczmxzx	✎ ✖
2021-03-23 17:46	2021-03-24 00:10	qwerty@123	qwerty2	qwerty3	qwerty4	✎ ✖
2021-03-02 12:08	2021-03-11 17:29	Delhi6	Mayur Vihar ABCD	Mayur Vihar updated	Test	✎ ✖
2021-03-11 17:29	2021-03-11 17:26	abcUpdate	defUpdated	GHUUpdated	JKLUpdated	✎ ✖
2021-03-02 12:07	2021-03-11 15:31	Delhi6	Mayur Vihar ABCD	Ashok Nagar A	Ashok Nagar 1_123	✎ ✖
2021-03-02 12:09	2021-03-11 15:31	Delhi6	Mayur Vihar ABCD	PPLKP6666	QWEWQ234242_update	✎ ✖
2021-03-05 18:01	2021-03-11 13:19	SBIT	ChamoliUpdated	Gopeshwar	Main Updated	✎ ✖

Figure 47: Address Management – Filter Option

1. Enter the required value in one or more of the listed fields:
 - **Province:** Province
 - **District:** District
 - **Commune:** Commune
 - **Village:** Village
2. Click **FILTER**.

The parameter that matches the specified values is shown in the dashboard.



2.41 DB Tables

DB Tables feature is a troubleshooting tool to view and verify the parameter values in database tables. Also have the facility to export the tables.

System Admins can view the database tables using this feature.

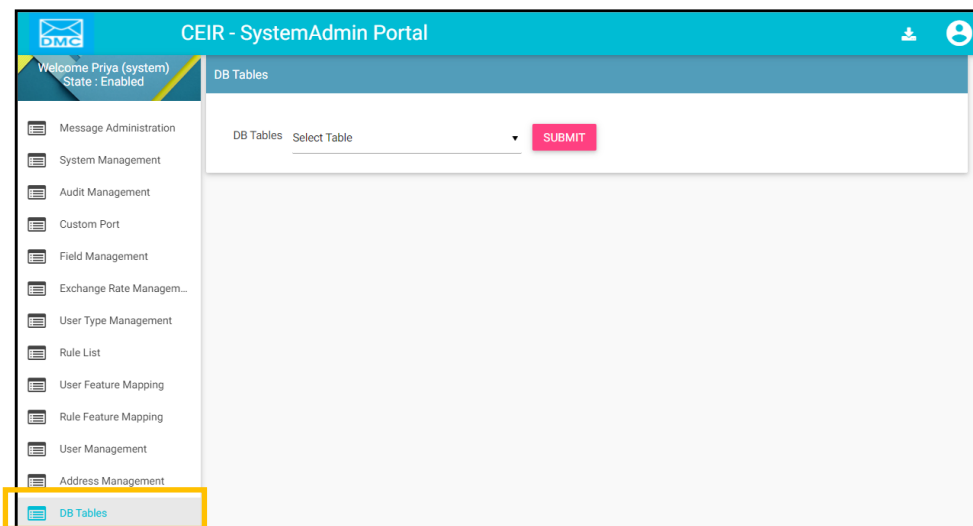


Figure 48: DB Tables

Data in tables can be sorted based on dates.

ID	CREATED_ON	FEATURE_ID	FEATURE_NAME	J_SESSION_ID	MODIFIED_ON	SUB_FEATURE	USER_ID	USER_NAME	USER_TYPE	USER_TYPE_ID	TXN_ID	ROLE_TYPE	PUBLIC_IP	BROWSER
169576	2021-06-28 11:27:13.936	39	DB Tables	NA	2021-06-28 11:27:13.936	View All	4	system	SystemAdmin	NA	NA	SystemAdmin	172.24.13.120	Chrome/Win10
169575	2021-06-28 11:24:37.99	39	DB Tables	NA	2021-06-28 11:24:37.99	View Tables List	4	system	SystemAdmin	NA	NA	SystemAdmin	172.24.13.120	Chrome/Win10
169574	2021-06-28 11:22:37.412	39	DB Tables	NA	2021-06-28 11:22:37.412	View All	4	system	SystemAdmin	NA	NA	SystemAdmin	172.24.13.120	Chrome/Win10
169573	2021-06-28 11:22:24.655	39	DB Tables	NA	2021-06-28 11:22:24.655	View Tables List	4	system	SystemAdmin	NA	NA	SystemAdmin	172.24.13.120	Chrome/Win10
169572	2021-06-28 11:06:10.492	21	Manage Type Approval	NA	2021-06-28 11:06:10.492	View All	1152	XYAS4305H	Importer	NA	NA	Importer	172.24.13.4	Firefox/Win7
169571	2021-06-28 11:04:30.713	21	Manage Type Approval	NA	2021-06-28 11:04:30.713	View All	1152	XYAS4305H	Importer	NA	NA	Importer	172.24.13.4	Firefox/Win7
169570	2021-06-28 11:03:59.551	21	Manage Type Approval	NA	2021-06-28 11:03:59.551	View All	1152	XYAS4305H	Importer	NA	NA	Importer	172.24.13.4	Chrome/Win7

Figure 49: DB Tables – view specific table

The table data can be exported using the Export button on the top right.



2.42 Annex 1

This section describes the list of parameters.

The list is categorized based on the different functionality in the system

Register Device Feature Related Parameters

Parameter Name	Possible Value
Date in MM-DD format that decide when the year start for Cambodian user. If value is 04-01, it means that the year is from 1 April to 31st March.	04-01
Time Period in days given to end user to pay custom tax and regularize the device	30
Visa Expiry Period in days in case visa details are not provided by foreigner while registering the device	30
Flag to indicate if the Notification is to be sent for Tax not Paid case to end user.	Y. Y stands for Yes and N stand for No

Blacklist Feature Related Parameters

Parameter Name	Possible Value
Base Path from where full and incremental blacklist file would be maintained in the CEIR system	/var/www/html/downloads/blackListFiles/
Time Period in days when the Full Blacklist file would be generated in the CEIR system.	7
Time Period in days when the Incremental Blacklist file would be generated in the CEIR system	1



Parameter Name	Possible Value
Base URL from where full and incremental Blacklist file would be available for download by operator from the CEIR system.	http://13.127.239.247/downloads/blackList Files/
Dirty Period in days for which the blacklist number found in GSMA are maintained in the CEIR system.	180

Greylist Feature Related Parameters

Parameter Name	Possible Value
Base Path from where full and incremental Greylist file would be maintained in the CEIR system	/var/www/html/downloads/greylistFiles/
Time Period in days when the Full Greylist file would be generated in the CEIR system.	7
Time Period in days when the Incremental Greylist file would be generated in the CEIR system	1
Base URL from where full and incremental Greylist file would be available for download by operator from the CEIR system.	http://13.127.239.247/downloads /greyListFiles/
Time Period in days when the IMEI will move from greylist to blacklist in the CEIR system.	30
Day of the Week in MMM format on which Greylist or Blacklist will be generated by CEIR system. This parameter is valid only when frequency is weekly (7 days).	Sun

Operator CDR Feature Related Parameters

Parameter Name	Possible Value
Value of Mobile Country Code (MCC) for Cambodia	855
Base Path where ETL system uploads the CDR files via FTP in the CEIR system	/home/ubuntu/ETL
Maximum Number of one IMEI mapped to different MSISDN to avoid duplicate count	5

Grievance Feature Related Parameters

Parameter Name	Possible Value
Time Period in days given to user to respond to grievance. Post expiry, the grievance is marked as closed by the CEIR system	10
Maximum number of document that can be uploaded at the time of raising grievance	3

Notification Feature Related Parameters

Parameter Name	Possible Value
Mail Signature to be added at the end of each mail sent from the CEIR system	Regards CEIR Admin
Number of Notifications to be displayed in descending order on Dashboard for all users	10



Parameter Name	Possible Value
Time Period in days before which reminder has to be sent before action is to be taken by CEIR system	3

SLA Feature Related Parameters

Parameter Name	Possible Value
SLA Breach period in days to approve the consignment by CEIR Admin	3
SLA Breach period in days to reply to grievance by CEIR Admin	3
SLA Breach period in days to approve the stock uploaded by stakeholder or endusers	3

Stolen/Recovery Feature Related Parameters

Parameter Name	Possible Value
Time Period in days to look in operator CDR in case mobile number is only provided in stolen device case	10

TAC Feature Related Parameters

Parameter Name	Possible Value
API Key to be used in TAC HTTPS API provided by GSMA	ZqXBvdRLYRiAWCO
Password to be used in TAC HTTPS API provided by GSMA	LdTcsQYaYuxRabQ



Parameter Name	Possible Value
Salt String to be used in TAC HTTPS API provided by GSMA	GSMA
Organization ID to be used in TAC HTTPS API provided by GSMA	9101
Secret Key to be used in TAC HTTPS API provided by GSMA	imeaesencryption
TAC HTTPS API provided by GSMA	https://imeidb.gsma.com/services/rest/GetHandSetDetails
Dirty Period in day for which the TAC number not found in GSMA are maintained in the CEIR system.	30

User Management Feature Related Parameters

Parameter Name	Possible Value
Base URL Link of DMC Home Page where the user request would be redirected on Home / New user request	http://13.233.39.58:8080/CEIR/DMC
Time period in days post expiry the user password will expire	180
Base URL for downloading User Manual	http://13.233.39.58:8080/Design/manuals/
Maximum number of registration allowed for all user types in the CEIR system	500000
Maximum number of registration allowed for user type as Importers in the CEIR system	1000
Maximum number of registration allowed for user type as Distributors in the CEIR system	10000



Parameter Name	Possible Value
Maximum number of registration allowed for user type as Retailer in the CEIR system.	100000
Maximum number of registration allowed for user type as Custom in the CEIR system	100
Maximum number of registration allowed for user type as Operators in the CEIR system	100
Maximum number of registration allowed for user type as TRC in the CEIR system	10
Maximum number of registration allowed for user type as Manufacturer in the CEIR system	100
Maximum number of registration allowed for user type as Lawful Agency in the CEIR system	100
Maximum Number of device registration allowed for user type as End User in the CEIR system	10000
Maximum number of registration allowed for user type as Immigration in the CEIR system	100
Maximum number of registration allowed for user type as Customer Care in the CEIR system	100

2.43 Annex 2

This section describes the list of message that is sent as notification to user either via SMS or Email.

The list is categorized based on the different functionality in the system.

Block Device Feature Related Messages



Parameter Name	Possible Value
Message sent to Operator or CEIR Authority when the CEIR admin has approved the request to block devices	Dear <first name>, This is to inform you that the your block request with transaction number <txn_name> has been approved by CEIR Authority.
Message sent to Operator or CEIR Authority when the CEIR admin has rejected the request to block devices	Dear <First name>, This is to inform you that the block request with transaction number <txn_name> has been rejected by CEIR Authority.
Message sent to CEIR Authority when the system has processed the block request successfully	Dear <First name>, This is to inform you that the block request with transaction number <txn_name> has been processed by system successfully.
Message sent to CEIR Authority when the system has processed the block request successfully	Dear CEIR Authority, This is to inform you that the block request with transaction number <txn_name> has been processed by system successfully.

Stolen Device Feature Related Messages

Parameter Name	Possible Value
Message sent to Lawful Agency when the CEIR admin has approved the request for stolen devices	Dear <first name>, This is to inform you that the your Stolen request with transaction number <txn_name> has been approved by CEIR Authority.
Message sent to Lawful Agency when the CEIR admin has rejected the request for stolen devices	Dear <First name>, This is to inform you that the stolen request with transaction number <txn_name> has been rejected by CEIR Authority.
Message sent to Lawful Agency when the system has processed the stolen request successfully	Dear <First name>, This is to inform you that the stolen request with transaction number <txn_name> has been processed by system successfully.
Message sent to CEIR Authority when the system has processed the stolen request successfully	Dear CEIR Authority, This is to inform you that the stolen request with transaction number <txn_name> has been processed by system successfully.

Unblock Device Feature Related Messages

Parameter Name	Possible Value
Message sent to Operator or CEIR Authority when the CEIR admin has approved the request to unblock devices	Dear <first name>, This is to inform you that your Unblock request with transaction number <txn_name> has been approved by CEIR Authority.
Message sent to Operator or CEIR Authority when the CEIR admin has rejected the request to unblock devices	Dear <First name>, This is to inform you that your Unblock request with transaction number <txn_name> has been rejected by CEIR Authority.
Message sent to Operator or CEIR Authority when the system has processed the unblock request successfully	Dear <First name>, This is to inform you that the unblock request with transaction number <txn_name> has been processed by system successfully.
Message sent to CEIR Authority when the system has processed the unblock request successfully	Dear CEIR Authority, This is to inform you that the unblock request with transaction number <txn_name> has been processed by system successfully.

Recovery Device Feature Related Messages

Parameter Name	Possible Value
Message sent to Lawful Agency when the CEIR admin has approved the request for recovered devices	Dear <first name>, This is to inform you that the your recovery request with transaction number <txn_name> has been approved by CEIR Authority.
Message sent to Lawful Agency when the CEIR admin has rejected the request for recovered devices	Dear <First name>, This is to inform you that the recovery request with transaction number <txn_name> has been rejected by CEIR Authority.
Message sent to Lawful Agency when the system has processed the recovered request successfully	Dear <First name>, This is to inform you that the recovery request with transaction number <txn_name> has been processed by system successfully.
Message sent to CEIR Authority when the system has processed the recovered request successfully	Dear CEIR Authority, This is to inform you that the recovery request with transaction number <txn_name> has been processed by system successfully.

Consignment Feature Related Messages

Parameter Name	Possible Value
Message sent to Importer when system has rejected the consignment due to processing errors	Dear <user name>, This is to inform you that the consignment with transaction ID: <txn_id> uploaded by you contains error. Please rectify the file and resubmit the request.
Message sent to CEIR Authority when system has processed the consignment successfully	Dear CEIR Authority, This is to inform you that the consignment with transaction ID: <txn_id> uploaded by importer has been processed successfully. Kindly approve the same.
Message sent to Importer when CEIR Authority has been rejected the consignment	Dear <user_name>, This is to inform you that the consignment with transaction ID: <txn_id> has been rejected by CEIR Authority with the following reason: <reason>
Message sent to Importer when system has processed the consignment successfully	Dear <user_name>, This is to inform you that the consignment with transaction ID: <txn_id> has been processed successfully
Message sent to CEIR Authority when custom has processed the consignment successfully	Dear CEIR Authority, This is to inform you that the consignment with transaction ID: <txn_name> has been approved by customs.
Message sent to Importer when Customs has processed the consignment successfully	Dear <user name>, This is to inform you that the consignment with transaction ID: <txn_name> has been approved by customs.
Message sent to Importer when Customs has rejected the consignment	Dear <user_name>,\nThis is to inform you that the consignment with transaction ID <txn_name> has been rejected by customs with the following reason:

User Management Feature Related Messages



Parameter Name	Possible Value
Message sent to user to verify his email ID during registration process errors	Dear <user_name>,\ \ The One Time Password (OTP) for your online registration on CEIR Portal is <number>. \ This OTP is valid for 10 minutes or 1 successful attempt whichever is earlier. \ \ Please do not share this One Time Password with anyone.\contains error. Please rectify the file and resubmit the request.

Stock Feature Related Messages

Parameter Name	Possible Value
Message sent to user to verify his email ID during registration process errors	Dear <user_name>,\ \ The One Time Password (OTP) for your online registration on CEIR Portal is <number>. \ This OTP is valid for 10 minutes or 1 successful attempt whichever is earlier. \ \ Please do not share this One Time Password with anyone.\contains error. Please rectify the file and resubmit the request.

2.44 Annex 3

This section describes the list of fields that are displayed in the form.

The list of field is as follows:



Field	Description	Type	Possible Values	Remarks
Alert State	The different type of states of a alert	System	Raised Clear	This should not be changed.
AS Type	The organization type used in registration form	Form	Individual Company Organization	This should not be changed.
Block Category	The category against which IMEI can be marked as blocked by operator	Form	Contract Violation Other	A new value for this field can be added here.
Channel	The different channel using which notification can be sent	System	E-mail SMS	This should not be changed.
Complaint Type	Type of complaint when stolen device is reported	System	Lost Stolen	This should not be changed
Config Type	The different type of configuration parameters	System	System User	This should not be changed
Currency	The different currency supported in the system	Form	\$ (US Dollar) Euro Riel	A new value for this field can be added here.



Field	Description	Type	Possible Values	Remarks
Customs Port	The different custom port supported in the system	Form	Water Land Air	This should not be changed
Custom Tax Status	The different status set to IMEI for the device for which tax to be paid at customs	Status	Tax Paid Tax Not Paid Regularized Blocked	This should not be changed
Delete Flag	The different status set to delete request while processing it at the system end.	Status	New Processing Deleted	This should not be changed
Device Status	The different device status supported in the system	System	NEW OLD	This should not be changed
Device ID Type	The different device ID type supported in the system	System	IMEI MEID ESN	This should not be changed
Device Type	The different device type supported in the system	System	Handheld Mobile Phone/Feature Phone Vehicle Portable	This should not be changed



Field	Description	Type	Possible Values	Remarks
			Module Dongle WLAN Router Modem Smartphone Connected Computer	
Doc Type	The different document type supported in the system	System	Passport Document Visa Document National ID Document Photo Other TAC certificate FIR document VIP Department ID VAT Document Technical Specification	This should be not be changed Field ID denote the folder name that will be created where the file is saved in the system.
File Type	The various file type supported in the system for generating greylist/black list files	System	Full Incremental	This should not be changed



Field	Description	Type	Possible Values	Remarks
Grievance Category	The various category supported while raising grievance in the system	System	Consignment Block/Unblock Greylist Blacklist Type Approval Register Device Manage Users Device Activation Stolen/Recovery Stock	This should not be changed
Is Active	This denotes if the field parameter is enabled to be used in the system	System	Disabled Enabled	This should not be changed
Multi SIM Status	The field denote if the device support multiple SIM slot or not.	System	Yes No	This should not be changed
Operators	The field denote all the operator supported in the system	System	Smart Metfone Seatel Cellcard	This should not be changed Field ID denotes type of operator. Value is GSM or CDMA



Field	Description	Type	Possible Values	Remarks
Process Action	The field denote different type of action taken once the CDR record is processed in the system	System	Sys_Reg Blocked Allowed User_Reg	This should not be changed
REQ Type (Request Type)	The field denote different type of request supported related to stolen/block cases	System	Stolen Recovery Block Unblock	This should not be changed
Role Type	The various role supported for different user type (end user and importer) in the system	System	Importer Distributor Retailer Cambodian Expat Foreigner Tourist VIP	This should not be changed
Source Type	The various request types supported for different stolen/bulk cases	System	Bulk Single Individual Company	This should not be changed



Field	Description	Type	Possible Values	Remarks
Supported languages	The various language supported in the system	System	English Khmer	This should not be changed
Visa Type	The various visa type supported in the system	System	Tourist Other	This should not be changed

2.45 Annex 4

This section describes the policy parameter that is defined in the system.

The list of policy parameters is as follows:

Description	Type	Possible Values	Remarks
Number of devices allowed to Cambodian user while coming back to Cambodia	System	0	This should not be changed.
Number of devices allowed to Foreigner user while coming to Cambodia in one visit	System	5	This value can be changed.