

# Web-Based PRC Issuance & Verification Automation

## Description:

- ▶ Need to automate the process of issuance and verification of PRC emerged based on the following facts:
- ▶ SBP has advised the banks to devise end to end digital process which connects with core banking system for issuances of PRC for the client and third party and its verification for Govt Authorities.
- ▶ Web portal will be connected with already developed local application (semi-automated process) for the issuance of PRC and verification.
- ▶ Email feature for the issuance of E-PRC/sPRC to our clients.

# Objective:

- ▶ Automate the issuance PRC (ePRC and sPRC) as per prescribed formats
- ▶ Delivery of ePRC and sPRC to beneficiary's registered email address where Citi is the beneficiary bank i.e. *same bank model*
- ▶ Passing of required data of the PRC to beneficiary bank where Citi is the intermediary bank i.e. *different bank model*. Data received from the originating bank will be passed on within the payment messages of RTGS (MT 102 and MT 103) and IBFT.
- ▶ Develop a system for verification of ePRC. In case of multiple verifications, system should notify the requestor with the email addresses of all other government agencies who have previously verified the PRC.

# Users:

- ▶ Customs Authorities for import of vehicles (in terms of SRO of 2019)
- ▶ SBP for inward investment & repatriation of profits/ disinvestment,
- ▶ Export realization, borrowing from abroad purposes
- ▶ Any other regulatory authority/agency

## Proposed Solution:

- ▶ ePRC/sPRC will be issued electronically and sent to beneficiary's registered email address
- ▶ e-PRC/sPRC will bear a system generated unique ID number.
- ▶ Same bank model - The bank receiving remittance will issue ePRC/sPRC to its own account holder
- ▶ ePRC/sPRC can be verified by the relevant agency online. In case of multiple verification, the system shall pop up message indicating the name of agency who had earlier verified ePRC/sPRC.

# New User creation Module

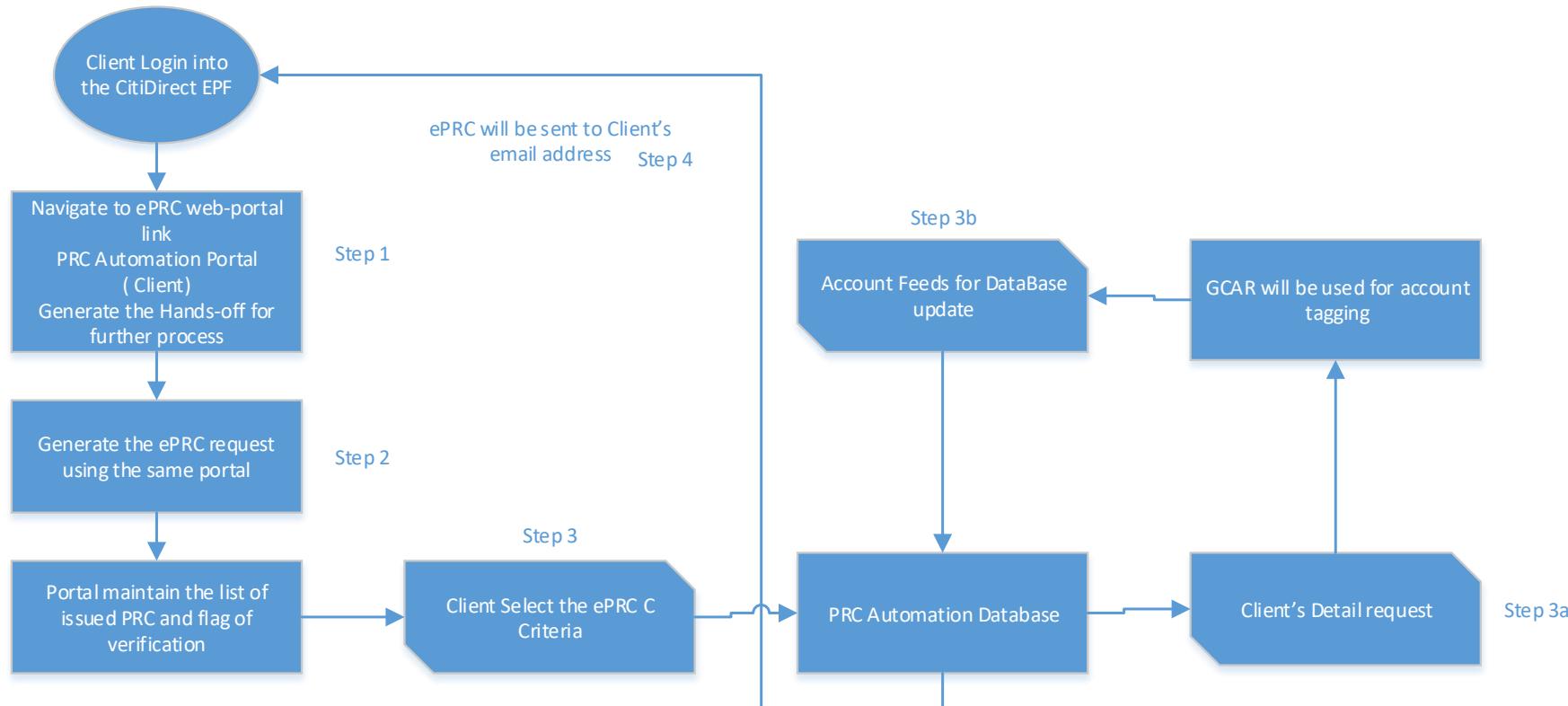
- ▶ User can be created and managed using the new proposed dynamic module as per Citi standard.
- ▶ This new dynamic user creation module will be incorporated in the ePRC/sPRC web-Portal.

# System Modules:

User creation procedure will follow the following Citibank standard of user creation

- ▶ User creation Module
- ▶ sPRC/ePRC Process.
- ▶ Verification
- ▶ Generate ePRC/sPRC
- ▶ Generate report
- ▶ Issuance

# System Architecture



# Dependencies Hands-off Template

- ▶ GCAR Layout templates and Parameters
- ▶ EPF Hands-off Template
- ▶ Email template for ePRC/sPRC
- ▶ Core Banking Template
- ▶ Format of Govt. Agencies Hands-off

# Process Explanation

- ▶ Generating Bulk Foreign currency transaction Using excel file or system generated text or XML file from core system.
- ▶ Dashboard where user can view the verification status and Upload XML or text based generated file from core system with respect to unique PRC code.
- ▶ Authorized agency verification.
- ▶ E-PRC/sPRC can be sent using the proposed template either in bulk or individual using date ranges.
- ▶ AD user can extract the user(Agency) activity log report.
- ▶ IS report section must have the user creation, modification and deletion report.
- ▶ Operations report section will have the SPRC/EPRC issuance trace according to the filters

# Dependencies

- ▶ In order to produce system generated ePRC/sPRC issuance as per SBP provided template, there would be some parameters dependency.
- ▶ These parameters can be source from core banking or any other repository where all the information exist.
  - Beneficiary detail
  - Transaction detail
  - Proceed Realization Certificate
  - Remitter Detail

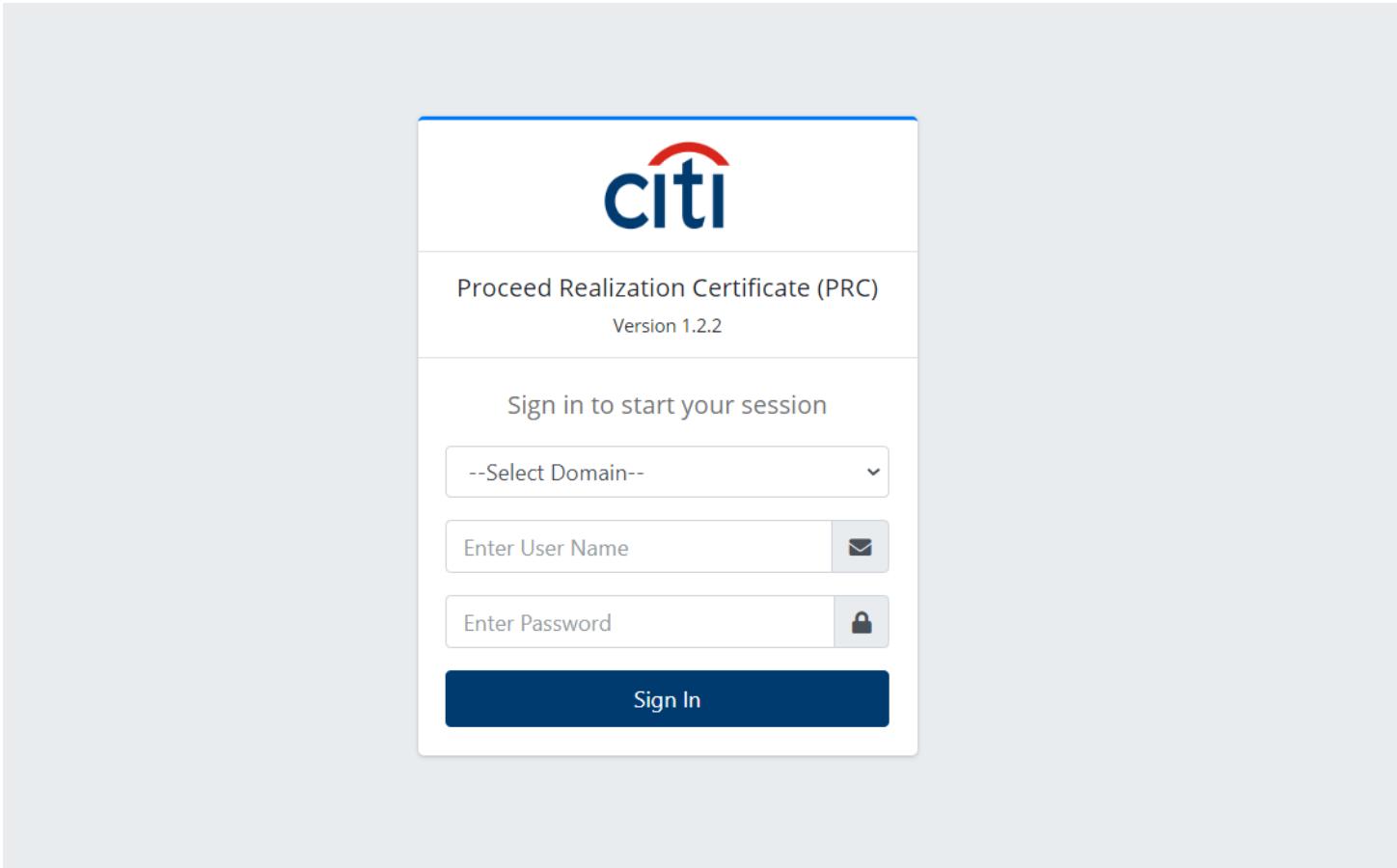
# Hardware & Software Requirements

- Preferable development environment of the application would be ASP.NET MVC.
- For ASP.NET MVC application, a windows server with IIS manager installed is required in order to deploy the application.

Application	Specs	OS
Minimum	RAM: 8GB core: 4 : HDD (SSD) : 50GB	Any
Recommended	Ram : 16GB core : 8 : HDD( SSD) : 50/100GB	Any

# Developed System Modules:

## Login



# Documents and upload PRC

**citi**  
PRC

- Home
- Manage Group/Roles
- Manage User
- Manage Client's
- MIS Reports
- Setup
- Upload PRC

## PRC UPLOAD

User : ADMIN MAKER

Home / PRC Upload

**Upload PRC**

Choose File No file chosen Start Process

**Update PRC P-Code & C-Code**

Choose File No file chosen Start Process

From Date mm/dd/yyyy To Date mm/dd/yyyy Account Number Enter Account Number

PRC Number Enter PRC Number Trans Ref No Enter Transaction Reference Number Filter Type --Select Filter--

Online Verification Of:  e-PRC  S-PRC --Select Payment Type-- Search Send Email

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# Client Management Form

User : ADMIN MAKER

## ► MANAGE CLIENT

Home / Manage Client

### Manage Client's

+ Add New

<b>Name</b> Enter Name	<b>Email</b> Enter Email	
<b>Contact No</b> Enter Contact Number	<b>IBAN</b> Enter IBAN	
<b>NTN</b> Enter NTN	<b>Notification Email</b> Enter Notification Email	
<b>Party ID</b> Enter Party ID	<b>Sent Auto Email</b> --Select Email Status--	<b>Status</b> --Select Status--
<b>Address</b> Enter Client's Address	<b>Submit</b>	

**Client List**

**Client Portal Request's Log**

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# Groups Management Form

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PRC

- Home
- Manage Group/Roles
- Manage User
- Manage Client's
- MIS Reports
- Setup
- Upload PRC

## GROUP ROLE

Manage Group Role

**Role Name**  
Enter Role Name

**Function Name**  
Enter Function Name

**Role Status**  
--Select Status--

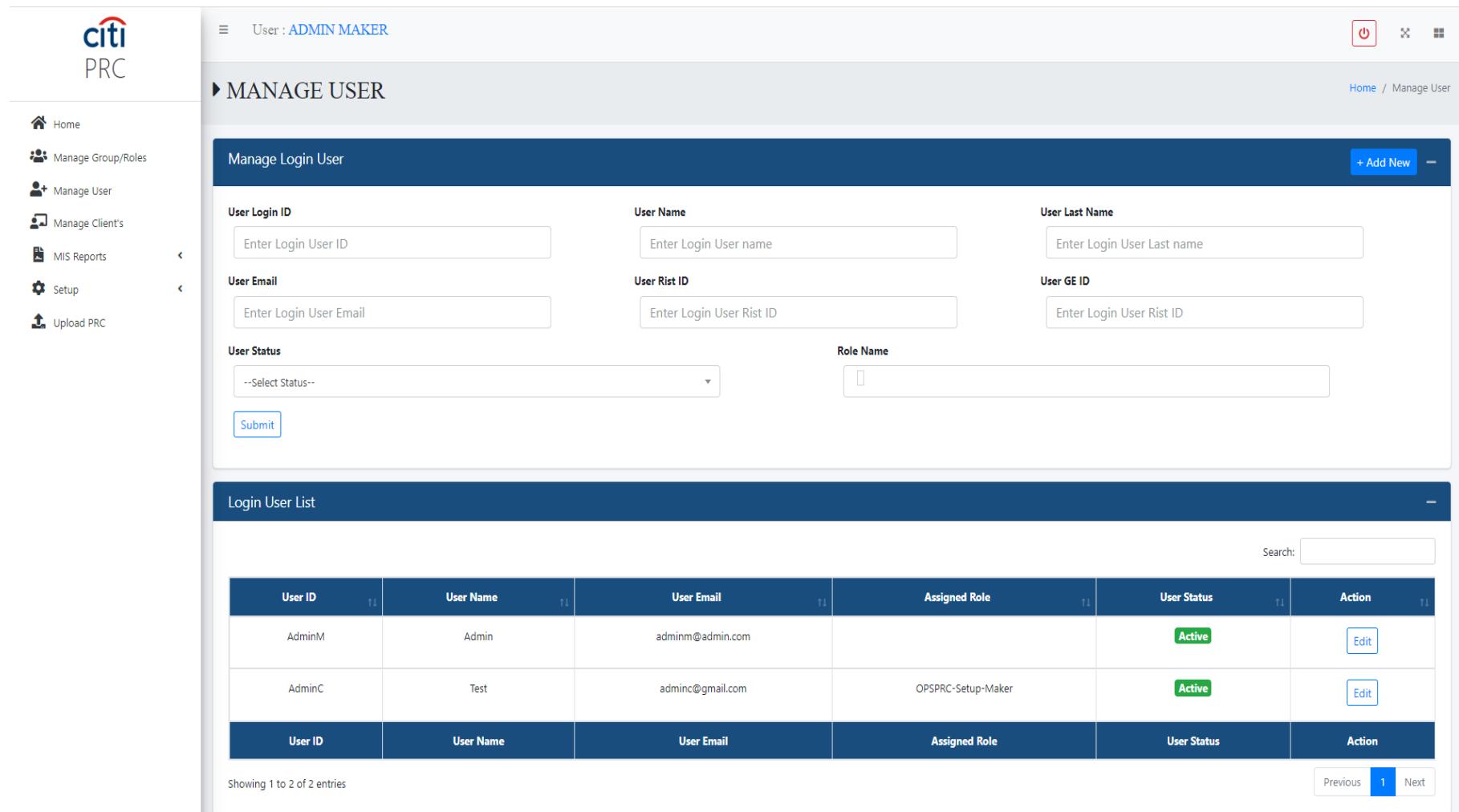
**Role Description**  
Enter Role Description

**Submit**

### List Of Group Role

Role Name	Role Description	Assign Roles	Actions
OPSPRC-Setup-Checker	ReadWrite: Checker can approve setup related to clients, verifying agency, verifying officer, department, purpose of verification and email configuration.	Home, MIS Reports, Manage Client's, Setup, Verifying Agency, Verifying Officer, Department, Purpose Of Verification, Upload PRC, Email Configuration, System Setting, Request Report, Client Request, PRC Report, Verification Authority	<a href="#">Edit</a>
OPSPRC-Setup-Maker	ReadWrite: Maker can make setup related to clients, verifying agency, verifying officer, department, purpose of verification and email configuration.	Home, MIS Reports, Manage Client's, Setup, Verifying Agency, Verifying Officer, Department, Purpose Of Verification, Upload PRC, Email Configuration, System Setting, Request Report, Client Request, PRC Report, Verification Authority	<a href="#">Edit</a>
ADMIN	ReadWrite: Check Operation can rewrite and perform anything on the system	Home, Manage Group/Roles, Manage User, MIS Reports, Group Activity, User Activity, Manage Client's, Setup, Verifying Agency, Verifying Officer	<a href="#">Edit</a>

# User Management Form



The screenshot shows a user management interface for 'User : ADMIN MAKER'. The left sidebar includes links for Home, Manage Group/Roles, Manage User, Manage Client's, MIS Reports, Setup, and Upload PRC. The main content area has a 'Manage Login User' form with fields for User Login ID, User Name, User Last Name, User Email, User Rist ID, User GE ID, User Status, and Role Name. A 'Submit' button is at the bottom. Below it is a 'Login User List' table with two entries:

User ID	User Name	User Email	Assigned Role	User Status	Action
AdminM	Admin	adminm@admin.com		Active	<a href="#">Edit</a>
AdminC	Test	adminc@gmail.com	OPSPRC-Setup-Maker	Active	<a href="#">Edit</a>

At the bottom, it says 'Showing 1 to 2 of 2 entries' and has navigation buttons for Previous, 1, and Next.

# System Setup Form

User : ADMIN MAKER

## SYSTEM SETTING

System Setting

GCAR API Url

Enter GCAR API Url

GCAR Certificate Hash

Enter GCAR Certificate Hash

PRC Logout Url (Citi Direct)

Enter PRC Logout Url (Citi Direct)

PRC Change Password Url (Citi Direct)

Enter PRC Change Password Url (Citi Direct)

PRC Logout Url (Citi Velocity)

Enter PRC Logout Url (Citi Velocity)

PRC Change Password Url (Citi Velocity)

Enter PRC Change Password Url (Citi Velocity)

Update

Search:

Action	GCAR API Url	Logout Url (Citi Direct)	Change Password Url (Citi Direct)	Logout Url (Citi Velocity)
<a href="#">Edit</a>	https://giwrestapiu.nam.nsroot.net:8080/gcar/prc/pak/accountValidation	https://(qa/uat/www).citidirect.com/portal-auth/smlogout	https://(qa/uat/www).citidirect.com/portal-auth/changeSiteminderPassword	https://(qa/uat/www).citicityvelocity.com/portal-auth/smlogout

# Verifying Agency Setup Form

User : ADMIN MAKER

## VERIFYING AGENCY

Manage Verifying Agency

Name

Select Status

Verifying Agency List

Name	Status	Action
Corporate Tax Office, Karachi	Active	<input type="button" value="Edit"/>
Corporate Tax Office, Islamabad	Active	<input type="button" value="Edit"/>
Collectorate of Customs, Faisalabad	Active	<input type="button" value="Edit"/>
Collectorate of Customs Sambrial, Sialkot	Active	<input type="button" value="Edit"/>
Collectorate of Customs Islamabad	Active	<input type="button" value="Edit"/>
Corporate Tax Office, Lahore	Active	<input type="button" value="Edit"/>
Exchange Policy Dept. SBP	Active	<input type="button" value="Edit"/>

# Verifying Officer Setup Form

User : ADMIN MAKER

## ► VERIFYING OFFICER

Home / Verifying Officer

Manage Verifying Officer

<b>Authorities / Department</b> Enter Authorities	<b>Name</b> Enter Officer Name
<b>Wing Name / Agency</b> --Select Agency--	<b>Designation</b> Enter Designation
<b>CNIC No</b> Enter CNIC Number	<b>Land Line No</b> Enter Land Line Number
<b>Mobile No</b> Enter Mobile Number	<b>Email Address</b> Enter Email Address
<b>Office Address</b> Enter Office Address	
<b>City</b> Enter City	<b>Select Status</b> --Select Status--

**Upload Verifying Officers**

Choose File No file chosen Bulk Upload

Verifying Officer List

# Purpose of verification Setup Form

User : ADMIN MAKER

## PURPOSE OF VERIFICATION

Home / Purpose Of Verification

Department

Purpose of Verification

Enter Purpose of Verification

Select Status

--Select Status--

Submit

Department List

Name	Status	Action
Confirmation of Bank Encashment Certificate	Active	Edit
Vehicle Clearance for Duties & Taxes (Custom)	Active	Edit
PRC genuineness/Confirmation (SBP/Custom/FBR/FIA/NAB)	Active	Edit
FBR Inquiry against remittance detail	Active	Edit
FIA Inquiry	Active	Edit
NAB Inquiry	Active	Edit

Showing 1 to 6 of 6 entries

Previous 1 Next

# Department Setup Form

User : ADMIN MAKER

## DEPARTMENT

Home / Department

Department

Name

Select Status

Submit

Department List

Search:

Name	Status	Action
Collectorate of Customs Exports	Active	Edit
Islamabad Dryport, Collectorate of Customs	Active	Edit
Pakistan Customs	Active	Edit
Collectorate of Customs Appraisement	Active	Edit
Collectorate of Customs	Active	Edit

Showing 1 to 5 of 5 entries

Previous 1 Next

# Email Configuration Setup Form

User : ADMIN MAKER

EMAIL SETUP

Manage Email Setup

Server Host: Enter Server Host

Credential ID: Enter Credential ID

Port: Enter Port

Submit

Email Setup List

Server Host	Credential ID	Port	Status	Action
smtp.gmail.com	tuser0833@gmail.com	587	Current	Edit

Showing 1 to 1 of 1 entries

Search:

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# Reports

# Client Request Report

**CITI**  
PRC

User : ADMIN MAKER

## CLIENT REQUEST REPORT

Home / Client Request Report

From Date:  To Date:  Client Email:

Home

Manage Group/Roles

Manage User

Manage Client's

MIS Reports

Setup

Upload PRC

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# Group Activity Report

User : ADMIN MAKER

## GROUP REPORT

Home / Group Report

From Date  To Date  Fetch

Copy CSV Excel PDF Print Column visibility  Search:

Name	Description	Assigned Role	Maker	Make Date	Activator	Activate Date	Status
OPSPRC-TRADE-Maker	ReadWrite: Trade Maker validate PRC issuance, Reports and PRC initiation.	Home, Upload PRC	ah59583	4/25/2022 10:53:46 AM	is85727	4/25/2022 11:05:47 AM	Activated the Role : OPSPRC-TRADE-Maker
OPSPRC-TRADE-Checker	ReadWrite: Trade Checker validate PRC issuance, Reports and PRC authorization.	Home, Upload PRC	ah59583	4/25/2022 10:54:17 AM	is85727	4/25/2022 11:03:39 AM	Activated the Role : OPSPRC-TRADE-Checker
OPSPRC-CUSTODY-Maker	ReadWrite: Custody Maker validate PRC issuance, Reports and PRC initiation.	Home, Upload PRC	ah59583	4/25/2022 10:54:49 AM	is85727	4/25/2022 11:02:20 AM	Activated the Role : OPSPRC-CUSTODY-Maker

Showing 11 to 13 of 13 entries

Previous 1 2 Next

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# User Activity Report

**CITI**  
PRC

User : ADMIN MAKER

## USER REPORT

Home / User Report

From Date  To Date  Fetch

Home

Manage Group/Roles

Manage User

Manage Client's

MIS Reports

Setup

Upload PRC

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# Client Request for PRC Report

**CITI PRC**

User : ADMIN MAKER

## CLIENT REQUEST

Home / Client Request

From Date  To Date  Client Name

Account Number  PRC Number  Bank Ref No

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# Verification Authority Report

**citi**  
PRC

- Home
- Manage Group/Roles
- Manage User
- Manage Client's
- MIS Reports
- Setup
- Upload PRC

User : ADMIN MAKER

## ► VERIFICATION AUTHORITY

Home / Verification Authority

From Date  To Date  Officer Name

CNIC Number  Example : 00000-0000000-0 PRC / S-PRC #

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# PRC Report

User : ADMIN MAKER

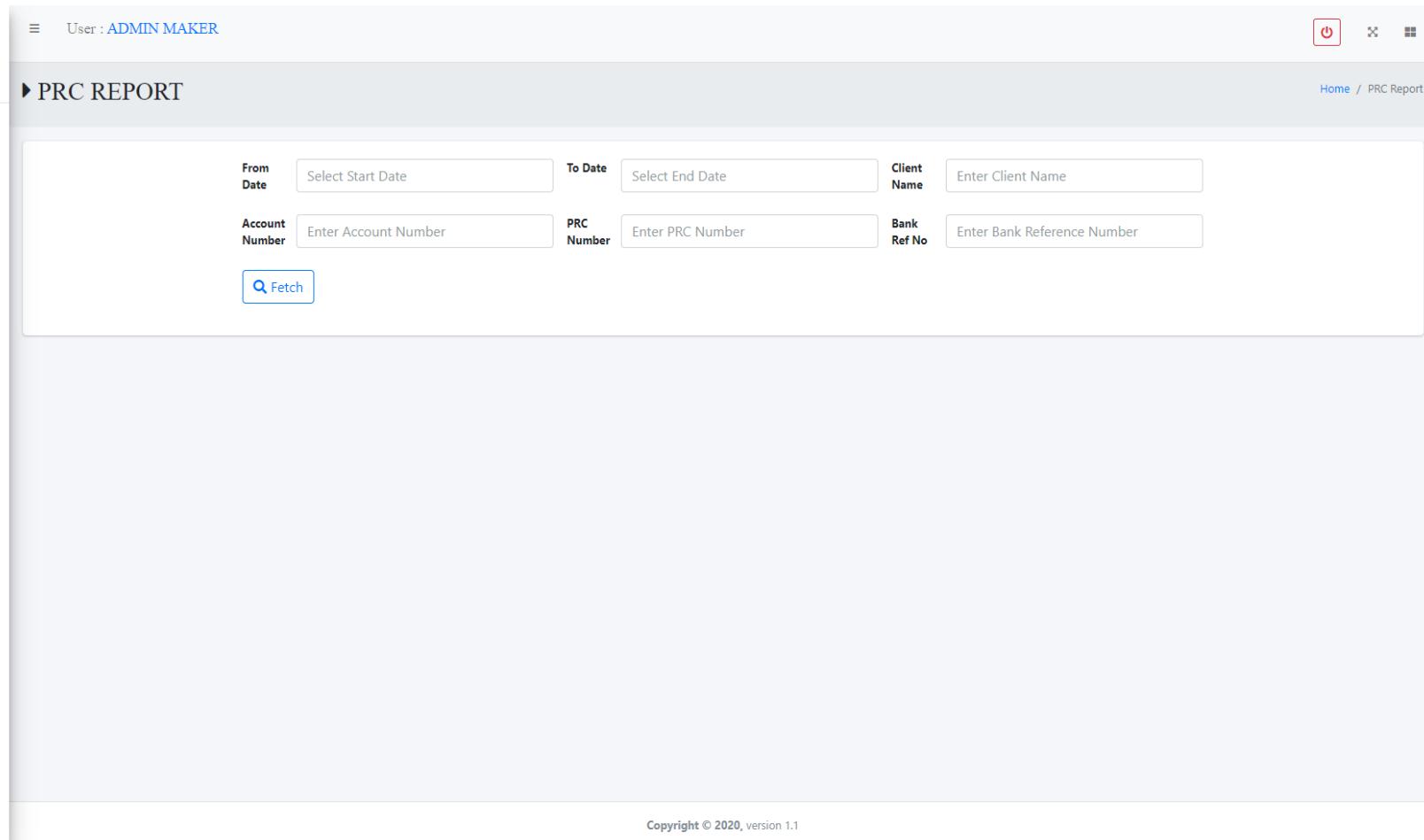
## PRC REPORT

Home / PRC Report

From Date  To Date  Client Name

Account Number  PRC Number  Bank Ref No

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# Client Portal

# Request Form PRC

[Logout](#)

## PRC (Proceed Realisation Certificate)

Request PRC

<b>Client Id</b> 82014465	<b>* IBAN No</b> Enter IBAN/Account No
<b>PRC Reference</b> Enter PRC Reference	<b>Transaction Reference</b> Enter Transfer Reference
<b>* From Date</b> mm/dd/yyyy <input type="button" value=""/>	<b>* To Date</b> mm/dd/yyyy <input type="button" value=""/>
<b>Online Verification Of:</b>	<input checked="" type="checkbox"/> e-PRC <input type="checkbox"/> S-PRC
<b>Select Payment Code</b> --Select Payment Type-- <input type="button" value=""/>	

**Submit Request**

# Request Form e-PRC



[Change Password](#) | [Logout](#)

## Proceed Realisation Certificate (ePRC/sPRC) Verification

e-PRC

Instrument Detail :

\* Online Verification Of:  e-PRC  s-PRC

\* e-PRC/s-PRC Unique ID No.  
Enter e-PRC/s-PRC Unique ID No  
Example : CITI-PRC-0000-00000000

\* Date of Issuance

\* Amount (in PKR)

Verifying Agency Information :

\* Name of Verifying Agency

\* Name Of Verifying Officer

\* Purpose of Verification

\* Department/Field Formation

\* CNIC No.   
Example : 00000-0000000-0

Email Address

# Reports Section:

## IS Reports:

- ▶ User Login report
- ▶ User Activity Logs report
- ▶ User creation, modification and Deletion tracking report
- ▶ Group creation, modification and Deletion tracking report
- ▶ User scrutiny report (maker Checker)
- ▶ User Rights and roles within the application
- ▶

## Operations Reports:

- ▶ Individual Issuance of ePRC/sPRC
- ▶ Bulk Issuance of ePRC/sPRC
- ▶ Date Range report of ePRC/sPRC issuance
- ▶ Pending for Approval/ Authorization
- ▶ Rejected ePRC/sPRC issuance request