



Electronic Check Clearing

Administration User

PS-ECC

www.ps-ecc.com

PS-ECC

Administration User's Manual

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PS-ECC Administration User's Manual

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READER'S OPINION QUERY FORM

This manual has been prepared to help you understand and use the **PS-ECC** System. We hope that we have succeeded in delivering the proper and adequate information. And here you can help us improve the quality of information offered to you by writing to us about any comments, notes and suggestions that you may have.

You can help us know;

1. Does the manual answer all your questions?
2. Does the manual help you solve all problems you face during your work with the system?
3. Does the manual explain all the system processes properly?
4. Is the manual language clear and easy to understand?

For any help, please contact the **Technical Writing** department describing your problems, comments and suggestions by sending to asmaa.harb@progressoft.com.

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INTRODUCTION

In this fast-paced, exciting age of Information Technology, every financial institution eagerly strives to replace paper with electronic transactions and integrate the use of the ever-versatile Internet. The aim being to truncate the time needed to carry out casual financial tasks and therefore, raise the financial institution's benefits and offer customers faster and superior services.

Cheque Clearing is simply the process of manipulating paper cheques deposited into customer accounts in a financial institution and drawn on accounts in another financial institution that is different from the one the cheque was deposited at.

The core of the clearing mechanism lies in the Central Bank, Clearing House, Monetary Agency, or Federal Reserve. The role of the above is to enforce established regulations and set and impose the financial rules. The presence of this institution is crucial in verifying that the clearing process has taken place adequately. In addition, this party is the judge when conflicts arise.

ProgressSoft proudly offers its dynamic groundbreaking solution: **PS-ECC**, the *Electronic Image-Based Cheque Clearing* system. This system establishes an automated electronic web-based cheque clearing mechanism and replaces the current costly and time-consuming manual method. It uses computing equipment and communication infrastructure to move information more efficiently between depositing and paying banks within the same day.

The short term benefits include better fund management, saving effort and cost notified by manpower, and the time spent by bank representatives attending daily clearing sessions at the central bank. The elimination of the time needed to collect money to deposited cheques will be completed within the same day or the next at the very most.

The long-term benefits include the availability of new services by the commercial banks to both its customers as well as business customers.

It's worth saying that you are right if you think that **PS-ECC** has a unique logical style that bears no resemblance to any other business application you have ever seen.

THIS MANUAL

This user manual is intended to help you, as a system administrator, better understand the **Administration** part of the **Electronic Cheque Clearing** system, acronymed to **PS-ECC**.

This software is developed by **ProgressSoft** and this **PS-ECC User's Manual** is a reserved copyright of **ProgressSoft**.

In this manual the administration part of the system is presented to you in a comfortable style that saves you time and effort to comprehend and fathom the administration pillars and main concepts and absorb the information easily.

This manual is provided, in generous, with stylish details associated with actual **PS-ECC** screen images.

We assure you that you can now rest! This manual will eliminate concerns related to any operational discomforts that you may encounter while working with the **PS-ECC**.

How to use this manual

This manual is meant to illustrate how to use the **PS-ECC** system, **ProgressSoft** innovative Image-based Cheque Clearing solution. It's mainly intended to guide you through a fully detailed explanation on how to set up the entire settings and configurations of the **PS-ECC**.

How this manual is organized

The following is a description of the various parts of this manual. This should help you choose the parts that are more related to your role within the organization.

1. *Getting Started*; this chapter walks you through the steps of operating the system and review the general features of it.
2. *Chapters* from *Two* through *Six* are ordered and explained in the user manual taking the same order of the **PS-ECC** main menu.
3. At the back end of the user's manual there are five appendixes; *FAQ*, *Icons Use*, *System Parameters*, *Return Reasons*, and *Jasper Reports*.

1. GETTING STARTED

1-1 Running PS-ECC

Once the **PS-ECC** system is up and running, you must first log in to the system (Figure 1-1). Enter the **User Name** and **Password** assigned to you by the system administrator.

 **Note:** The user is either privileged to change the password or keep the one assigned to him according to the rules of the policy that is set from the **Security** system and is defined and controlled by the system administrator.



The image shows a 'Login' dialog box for the PS-ECC system. On the left, there is a logo for 'PS-ECC Electronic Check Clearing' featuring a hand holding a pen over a check. On the right, there are two input fields: 'User Name' with the text 'uasma' and 'Password' with masked characters '*****'. Below these fields are two buttons: 'Enter' and 'Reset'. At the bottom of the dialog, a small line of text reads: 'All rights reserved for ProgressSoft Corporation © 2005'.

Figure 1-1: PS-ECC Log-in

Enter the **User Name** and **Password**. Press **Enter** from the keyboard or click the designated button as shown in the figure above. You may enter wrong user name and/ or password and once this happens an error message (Figure 1-2) will appear in the middle of the Login dialogue box. In such a case you need to repeat the action of entering the proper user name and/ or password after you empty the entry fields. And to do so, click on **Reset**.

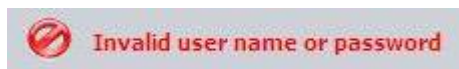


Figure 1-2: Error message

1-2 PS-ECC Main Page

PS-ECC is launched as a web application from the Internet browser. Type-in or paste the URL of the system in the address bar of the Internet explorer. If you already have a shortcut of the system, placed on your desktop, you can use it to run the system by double clicking the icon and following the same steps to log in. The first page to be displayed to you after logging into the system is the **Home Page** (Figure 1-3).

The **PS-ECC** home page consists of numerous features:

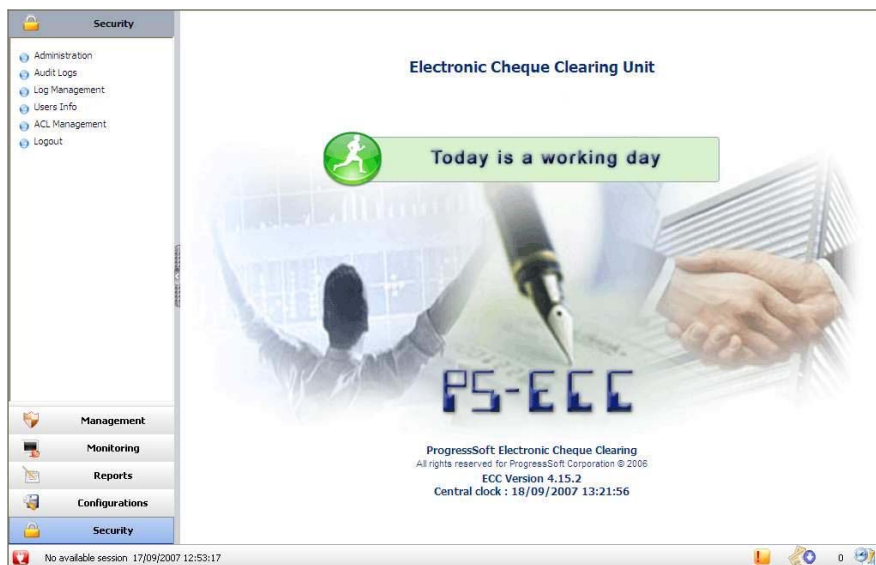


Figure 1-3: *PS-ECC home page*

Note: To view the pages of the system properly and correctly, it is recommended you set your screen resolution to 1024 x 768.

The first page appears to you when you log into the system, as shown above, is divided into two main areas;

1. The first area; on the left lists the system modules and each module expands its functions once it's clicked.
2. The second area; on the right shows the system logo and the bank's name (owner of the system). This area is considered as working area that witnesses full operation of the system transactions. When you click any of the system functions, it will be displayed in this area where you can hide the left pane by clicking the small arrow of the vertical line that separates the two panes.

All pages of the system have standard title bar and status bar that show the following items (Figure 1-4 & 5).

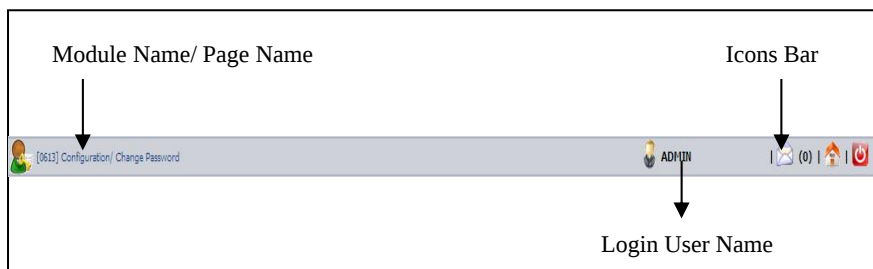


Figure 1-4: Upper title bar of the PS-ECC

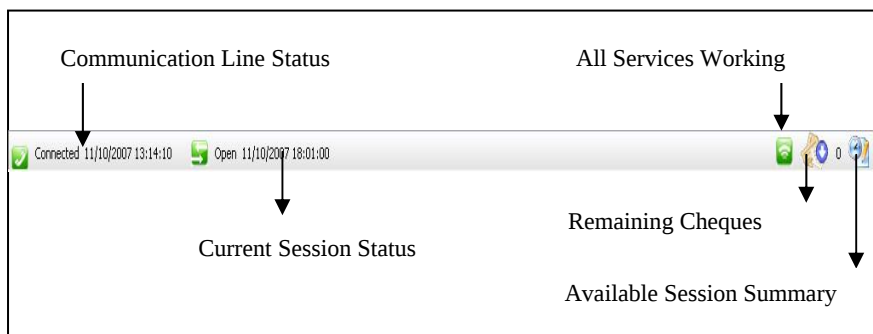


Figure 1-5: Lower status bar of the PS-ECC

Once you click the **Available Session** icon you will get a small window that shows a summary status of the available session (Figure 1-6).

http://10.0.1.3:8085/?action=doListSessionSummary&toDate=&...

Sequence	Date	All Close Date	Status	Urgency	Currency
1	27/03/2007	27/03/2007 23:58:00	Presentment	Regular	Jordan Dinar

Figure 1-6: Session summary

1-3 PS-ECC Modules

PS-ECC application consists of five modules that form the core of the system working functions, transactions and operations. Those are as follows:

1-3-1 Management

This provides different system management capabilities that enable authorized users; usually business managers, to manage the system functions as needed.

1-3-2 Monitoring

This is a mechanism for the administrator to monitor services/ system behavior and control the system's ins and outs.

1-3-3 Reports

A rich reporting system that enables users to generate various reports of the system.

1-3-4 Configuration

This is to configure the system to allow the administrator/ and certain authorized users to set up and parameterize the system upon the bank and users business requirements and needs.

1-3-5 Security

This security system provides a very secure **Security** system. The system is structured and built with several layers of security.

1-4 Common Features of the System Use

☒ System Accessibility

All system functions can be accessed by both mouse clicking and keyboard pressing (hitting).

☒ Check box

This function is used to select a number of options from a menu simultaneously (Figure 1-7).

Role Description		
1	☐	ADMINISTRATOR ROLE
3	☐	AlexYousefAlaa
4	☒	EVERYONE ROLE
5	☒	Full Access
6	☒	Operator
7	☐	alexrole
8	☐	fullfull

Figure 1-7: Check box

☒ Radio button

This button is used to click in a multiple-choice menu. Only one of the options can be selected for activation at a time (figure 1-8).

Minimum Password Age

☒ Allow changes immediately

☐ Allow changes in 5 days

Figure 1-8: Radio button

☒ Drop Down List

A list that is used to select one of its contents upon data entry to provide the user with different choices and help them cut the way short (Figure 1-9).

Select ▼

- Arab Bank
- Arab Banking Corporation
- Arab Jordan Investment Bank
- Audi Bank
- Bank Of Jordan
- Banque De Liban Et D'Outre Mer
- Cairo Amman Bank
- Capital Bank
- Central Bank of Jordan
- Citibank

Figure 1-9: drop-down list

☒ **Date Picker (Calendar)**

This function is used when you want to select specific period of time during which you would like to retrieve data about any of the system items. To use the Calendar function, proceed as follows;

1. Click the **Calendar** icon  to open the Date Picker (Figure 1-10)

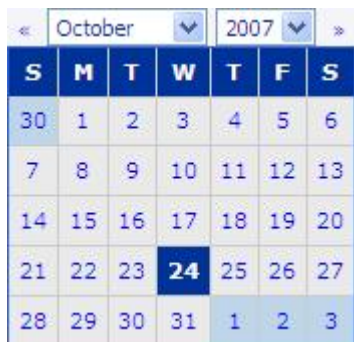


Figure 1-10: Date picker (Calendar)

2. By default today date appears to you. Take it or change it.
3. You can change the current month and year by clicking the *Up* and *Down* arrows of the keyboard and then selecting the month and year from the lists as shown above.
 - a. **Up:** switches to the next year
 - b. **Down:** switches to the previous year.

☒ **Paging**

Any data items will be listed using a paging mechanism, which will display a maximum number of items per view. The paging handler will allow a user to navigate through data pages by jumping to a specific page or quickening the access to the first page, previous page, next page and last page as illustrated in (Figure 1-11).



Figure 1-11: Paging

☒ **Messages & Alerts**

The system has three types of informative and descriptive messages; **Warning Messages**, **Error Message**, and **Information Message** respectively.

- **Warning Message:** is a precaution message that alerts users from the impact of action(s) they are about to execute.

- **Error Message:** is a warning which is displayed whenever an error occurs during the operation of the program.
- **Information Message:** conveys certain piece of information to the system users about the status of current operations, actions, transactions being taken.

1-5 Exiting PS-ECC

In order to exit the **PS-ECC** system, you must perform a legal logout using the

Logout function of the security system menu. Or you can use the **Logout**  icon that is found on the upper right side of all pages of the system.

 **Important Note:** The user must log out legally before exiting the system; otherwise he/she will be counted as a logged-in user having an open session and this may cause to locking cheques and batches.

2. MANAGEMENT

The **PS-ECC Management** module consists of two items; **Session Management** and **News**.

PS-ECC allows authorized administrators of the ECCU to define electronic clearing sessions; *(for more information about session configuration, please refer to chapter 5, section 5-11 Session Configuration)*. Clearing sessions are created and closed automatically by the system, nevertheless **PS-ECC** allows the administrator to manually extend the closing time for an opened session to accommodate for late bank items.

The News function helps circulating and broadcasting news being announced by the Central Bank.

To start you need to select the Management module from the **PS-ECC** main menu (Figure 2-1). Once clicked, the Management menu will be listing all items inside.

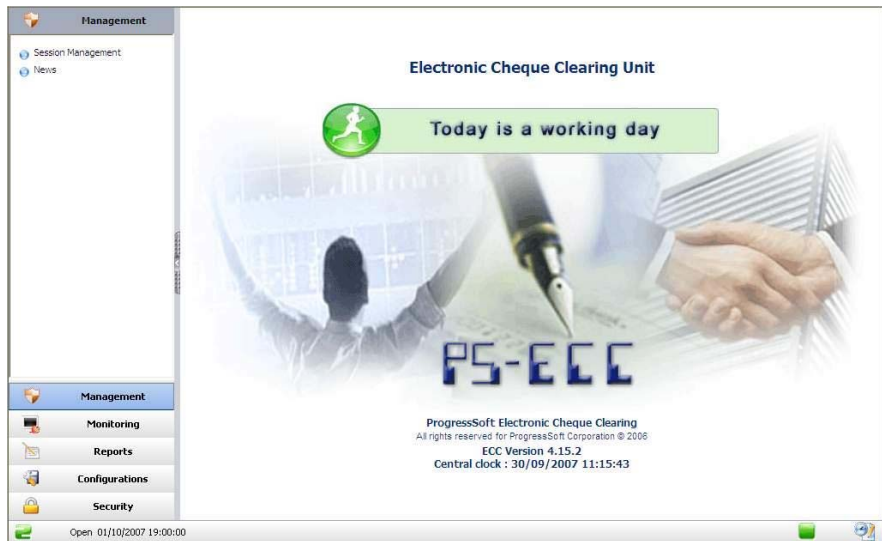


Figure 2-1: Management menu

2-1 Session Management

Menu path: Management/ Session Management

Purpose: This function enables authorized users to manage the clearing sessions being held at the Central Bank.

Page No.: 0308

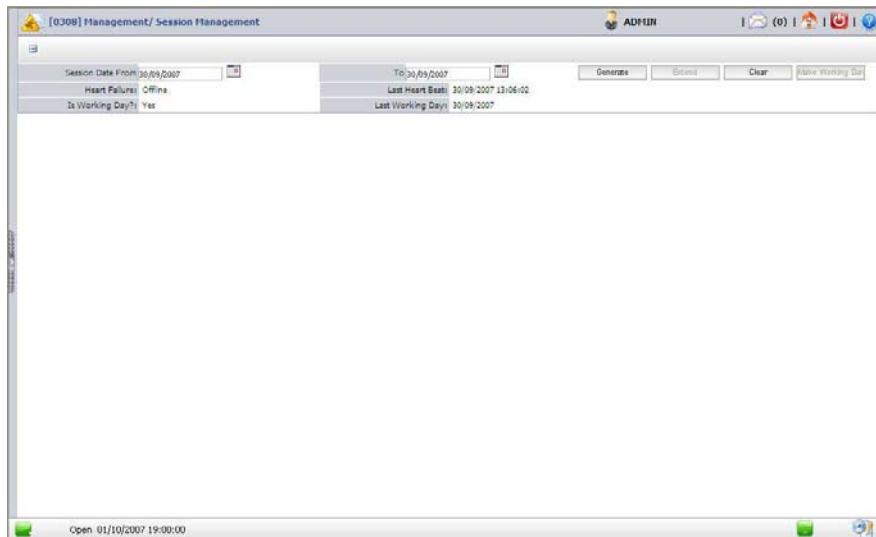


Figure 2-2: Session management

The **Session Management** (Figure 2-2) enables the user to recall detailed information about the clearing sessions that are being held during a specific period of time. In certain cases the user may extend the clearing sessions, upon request.

Select the **Session Date From – To**, of the period you want to cover, by clicking the **Calendar**  icon to get the pop-up calendar. The system displays the **Heart Failure**; and the **Last Heart Beat** that indicate the system live connection status. **Last Working Day** is displayed by default.

Click **Generate** to recall and display the clearing session within the mentioned period. (Figures 2-3, 4, and 5) displays the session management records with the following information about each clearing session; **Sequence, Date, Status, Urgency, Currency, All Open Date, Request Close Date, All Close Date, All Actual Open Date, Request Actual Close Date, All Actual Close Date, Request In Count, Request Out Count, Reply Out Count, Reply In Count, and Schedule Description.**

Management : Sessions UASMA

Session Date From: 01/06/2006 To: 08/06/2006
Heart Failure: Online Last Heart Beat: 08/06/2006 17:21:56

Generate Refresh Clear

☐	Sequence	Date	Status	Urgency	Currency	All Open Date	Request Close Date	All Close Date
☐	1	08/06/2006	Open for Reply	Outside Amman	Jordan Dinar	07/06/2006 00:30:00	08/06/2006 12:30:00	12/06/2006 14:30:00
☐	2	08/06/2006	Open for Reply	Inside Amman	Jordan Dinar	07/06/2006 08:30:00	08/06/2006 12:30:00	11/06/2006 14:30:00
☐	3	07/06/2006	Open for Reply	Outside Amman	Jordan Dinar	06/06/2006 08:30:00	07/06/2006 09:30:00	11/06/2006 14:30:00
☐	4	07/06/2006	Closed	Inside Amman	Jordan Dinar	06/06/2006 08:30:00	07/06/2006 09:30:00	09/06/2006 14:30:00

Connected 08/06/2006 17:22:21 No available session 08/06/2006 17:22:51

Figure 2-3: Session management records

Management : Sessions UASMA

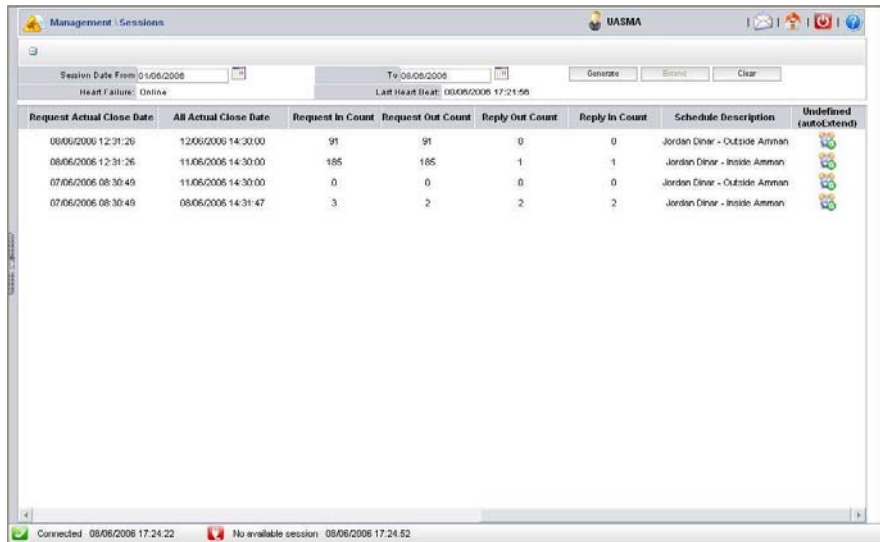
Session Date From: 01/06/2006 To: 08/06/2006
Heart Failure: Online Last Heart Beat: 08/06/2006 17:21:56

Generate Refresh Clear

All Close Date	All Actual Open Date	Request Actual Close Date	All Actual Close Date	Request In Count	Request Out Count	Reply Out Count	Reply In Count
12/06/2006 14:30:00	07/06/2006 00:30:49	08/06/2006 12:31:20	12/06/2006 14:30:00	91	91	0	0
11/06/2006 14:30:00	07/06/2006 08:30:49	08/06/2006 12:31:26	11/06/2006 14:30:00	185	185	1	1
11/06/2006 14:30:00	06/06/2006 12:15:44	07/06/2006 08:30:49	11/06/2006 14:30:00	0	0	0	0
09/06/2006 14:30:00	06/06/2006 12:13:43	07/06/2006 08:30:49	08/06/2006 14:31:47	3	2	2	2

Connected 08/06/2006 17:24:22 No available session 08/06/2006 17:24:52

Figure 2-4: Session management records



The screenshot shows the 'Management : Sessions' window in UASMA. It includes filters for 'Session Date From' (01/06/2006) and 'To' (08/06/2006), with buttons for 'Generate', 'Refresh', and 'Clear'. The status is 'Heart Failure: Online' and 'Last Heart Beat: 06/06/2006 17:24:56'. The table below lists session records with columns for dates, counts, and descriptions.

Request Actual Close Date	All Actual Close Date	Request In Count	Request Out Count	Reply Out Count	Reply In Count	Schedule Description	Undefined (auto-extend)
06/06/2006 12:31:26	12/06/2006 14:30:00	91	91	0	0	Jordan Dinar - Outside Amman	
08/06/2006 12:31:26	11/06/2006 14:30:00	185	185	1	1	Jordan Dinar - Inside Amman	
07/06/2006 08:30:49	11/06/2006 14:30:00	0	0	0	0	Jordan Dinar - Outside Amman	
07/06/2006 08:30:49	08/06/2006 14:31:47	3	2	2	2	Jordan Dinar - Inside Amman	

At the bottom, a status bar shows 'Connected 08/06/2006 17:24:22' and 'No available session 08/06/2006 17:24:52'.

Figure 2-5: Session management records

 **Note:** That the icon  indicates an Auto close of the session.

To extend a session, right-click the **All Close Date** field so that the date will be editable and you may now enter the new date and click **Extend**. The date will be extended and updated it to take the new value.

To empty the entry all fields click **Clear**. To change status of non-working day to a working day, click the **Make Working Day** button.

2-2 News

Menu path: Management/ News Management

Purpose: helps circulating and broadcasting news being announced by the Central Bank. Such news will be things like; announcing new banks, new branches or broadcasting new official holiday, etc.

Page No.: 0310

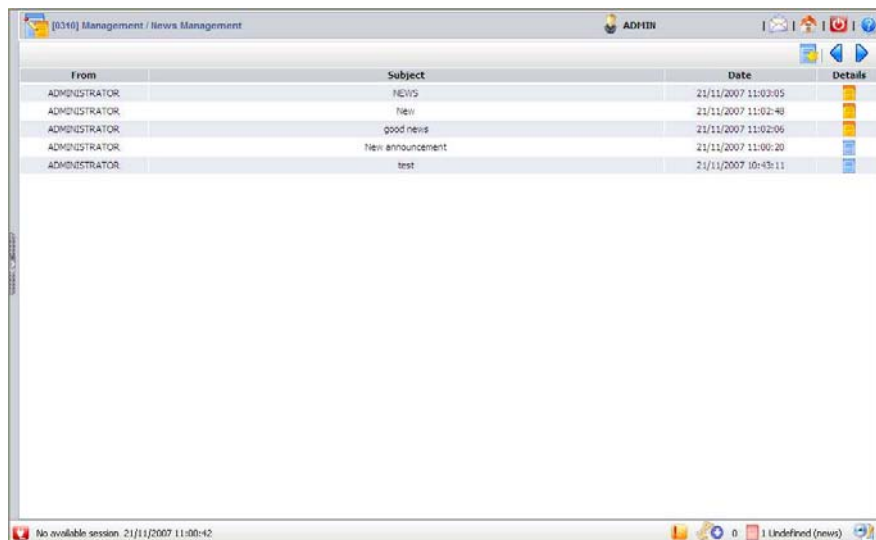
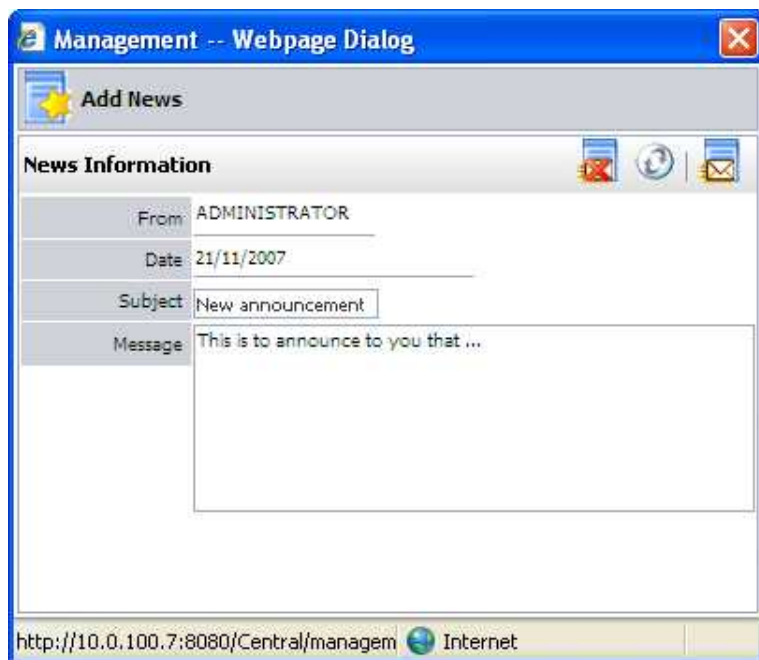


Figure 2-6: News management

The **News** page (Figure 2-6) helps the responsible user circulate and broadcast news through announcing them on this page to reach all users of the system. As you can see the page displays the following information about each news; **From** that is the sender of the news, **Date** of announcement and **Subject** of the news. To view details of the news, click the flickering icon to read the full text. Once the news is read the flickering **Today News** icon will turn into blue .

To publish a new piece of news, click the **New News** icon. The **Add News** small window will open (Figure 2-7) in the middle of the **News Management** page. Enter the **News Information** as follows; **From**, that is the person sending the news, **Date** of the announced news, **Subject** of the news, and finally the **Description** text of the news. Click the icon to save the news or **Cancel** to cancel the action. To clear the entry fields, click the **Clear** icon.



The screenshot shows a web browser window titled "Management -- Webpage Dialog". Inside, there is a section titled "Add News" with a star icon. Below this is a "News Information" section containing a form with the following fields:

From:	ADMINISTRATOR
Date:	21/11/2007
Subject:	New announcement
Message:	This is to announce to you that ...

At the bottom of the dialog, the address bar shows the URL `http://10.0.100.7:8080/Central/managem` and the status bar indicates "Internet".

Figure 2-7: Enter new piece of news

3. MONITORING

The **PS-ECC Monitoring** is a mechanism for the administrator to monitor services/ system behavior and control the system ins and outs. If the communication line between any two banks is down or if the communication line has been halted for some reason or other. The administrator should always make sure that the communication traffic is running by checking through the functions of the Monitoring module.

By using this module the administrator may control the following items:

1. Checkout the line connection between commercial banks and the Central Bank from one side and between the commercial banks one another from the other side.
2. Monitor the users who are currently logged on to the system.
3. Monitor every single cheque being processed through the Outward Clearing and Inward Clearing transactions.
4. Issue statistics report of about all transactions that are processed through the system on both sides; BFD and Pay bank.

To start you need to select the Monitoring module from the **PS-ECC** main menu (Figure 3-1). Once clicked, the Management menu will be listing all items inside, which are **Line Monitor**, **Activity Monitor**, **System Monitor** and **Statistics Report**.



Figure 3-1: *Monitoring menu*

3-1 Line Monitor

Menu path: Monitoring/ Line Monitor

Purpose: This function enables the administrator to monitor the communication line between the operating bank and the Central Bank as well as the other commercial banks.

Page No.: 0401

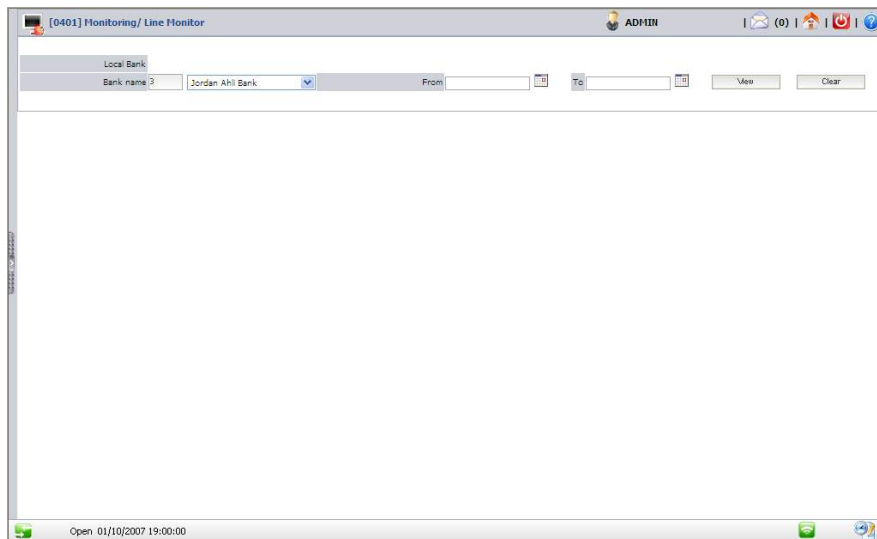


Figure 3-2: Line monitor

The **Line Monitor** page (Figure 3-2) helps the user continually monitor any communication takes place between the BFD and the Pay bank from one side and between the operating bank and the ECCU of the Central Bank from the other side.

The **Local Bank** is the Central Bank. Select the **Bank Name**; which is the commercial bank you want to check the communication line with, from the drop-down list. Enter the **Date From – To** by clicking the **Calendar** icon for each and select the required dates of the period you want to cover. Click **View** so as to display the data for the required period (Figure 3-3). For each bank the **Dates From – To** and the **Status** of connection are displayed.

[0401] Monitoring/ Line Monitor ADMIN

Local Bank

Bank name: Arab Banking Corporation From: 01/01/2007 To: 30/09/2007 View Clear

From	To	Status
04/07/2007 12:18:50	07/07/2007 14:27:46	Heart OK
07/07/2007 14:27:47	07/07/2007 21:14:14	Heart Failure
07/07/2007 21:14:15	07/07/2007 21:47:39	Heart OK
07/07/2007 21:47:40	07/07/2007 21:49:25	Heart Failure
07/07/2007 21:49:26	07/07/2007 22:03:19	Heart OK
07/07/2007 22:03:20	07/07/2007 22:03:22	Heart Failure
07/07/2007 22:03:23	07/07/2007 22:07:24	Heart OK
07/07/2007 22:07:25	07/07/2007 22:09:10	Heart Failure
07/07/2007 22:09:11	07/07/2007 22:13:26	Heart OK
07/07/2007 22:13:27	07/07/2007 22:14:59	Heart Failure
07/07/2007 22:15:00	07/07/2007 22:19:33	Heart OK
07/07/2007 22:19:34	07/07/2007 22:20:49	Heart Failure
07/07/2007 22:20:50	07/07/2007 22:34:41	Heart OK
07/07/2007 22:34:42	07/07/2007 22:36:05	Heart Failure
07/07/2007 22:36:06	08/07/2007 00:08:22	Heart OK
08/07/2007 00:08:23	08/07/2007 00:08:47	Heart Failure
08/07/2007 00:08:48	08/07/2007 00:12:49	Heart OK
08/07/2007 00:12:50	08/07/2007 00:14:11	Heart Failure
08/07/2007 00:14:12	08/07/2007 00:37:28	Heart OK
08/07/2007 00:37:29	08/07/2007 00:39:08	Heart Failure
08/07/2007 00:39:09	08/07/2007 02:25:44	Heart OK
08/07/2007 02:25:45	08/07/2007 02:32:58	Heart Failure

Open 01/10/2007 19:00:00

Figure 3-3: Line Monitor status

3-2 Activity Monitor

Menu path: Monitoring/ Activity Monitor

Purpose: This function helps the administrator know the users who are currently logged on to the system. Sometimes the administrator may intervene to log out a user from the system for a reason or another.

Page No.: 0402

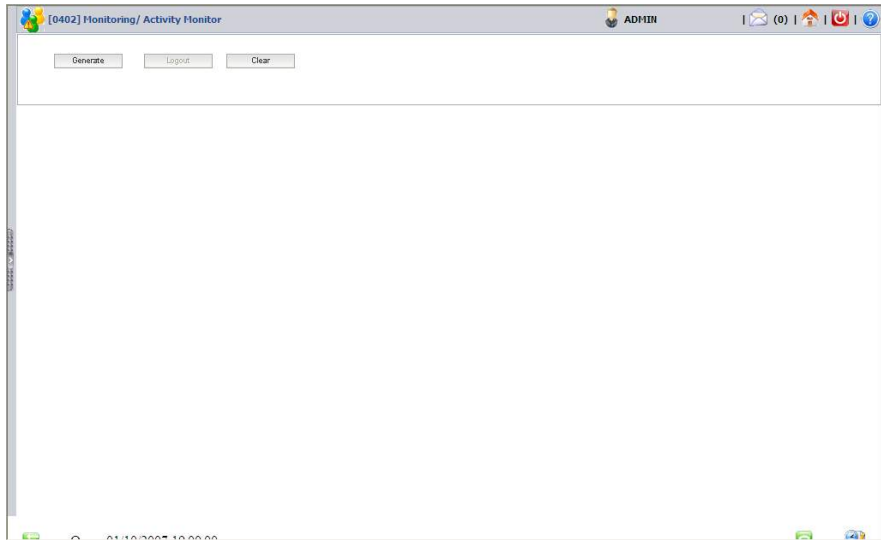


Figure 3-4: Activity monitor

Working with the **Activity Monitor** page (Figure 3-4) goes as simple as clicking the **Generate** button. All logged on users will appear in form of multi records displaying the following information about each: **User Name**, **Workstation IP Address**, **Login Date/ Time** (Figure 3-5).

To Logout a certain user, place a check in the check box before the username to enable the **Logout** button. Click the **Logout** button and the user is now logged out of the system. To clear the records, click **Clear**.

	User Name	Workstation IP Address	Login Date / Time
☐	ADMIN	10.0.0.10	13/09/2007 10:09:18
☐	ADMIN	10.0.0.10	12/09/2007 11:46:48
☐	ADMIN	10.0.0.10	16/09/2007 11:55:02
☐	ADMIN	10.0.0.10	30/09/2007 12:56:52
☐	ADMIN	10.0.0.10	06/09/2007 12:56:37
☐	ADMIN	10.0.0.10	13/09/2007 11:41:52
☐	ADMIN	10.0.4.200	30/09/2007 10:38:43
☐	ADMIN	10.0.0.10	27/09/2007 12:08:16
☐	ADMIN	10.0.4.126	12/09/2007 11:32:23
☐	ADMIN	10.0.0.10	30/08/2007 13:28:01
☐	ADMIN	10.0.0.10	30/08/2007 13:28:19
☐	ADMIN	10.0.4.126	02/09/2007 13:28:32
☐	ADMIN	10.0.0.10	02/09/2007 13:34:47
☐	ADMIN	10.0.0.10	02/09/2007 13:52:06
☐	ADMIN	10.0.0.10	04/09/2007 17:43:13
☐	ADMIN	10.0.0.10	21/08/2007 13:15:35
☐	ADMIN	10.0.0.10	21/08/2007 16:50:19
☐	ADMIN	10.0.0.10	21/08/2007 16:17:44
☐	ADMIN	10.0.0.10	21/08/2007 17:32:10
☐	ADMIN	10.0.0.10	21/08/2007 13:27:12
☐	ADMIN	10.0.4.126	13/09/2007 09:30:12

Open 01/10/2007 19:00:00

Figure 3-5: Activity monitor result

3-3 System Monitor

Menu path: Monitoring/ System Monitor

Purpose: This function helps the administrator inquire information about the number of cheques inside each page of the system, and the status of each cheque.

Page No.: 0403

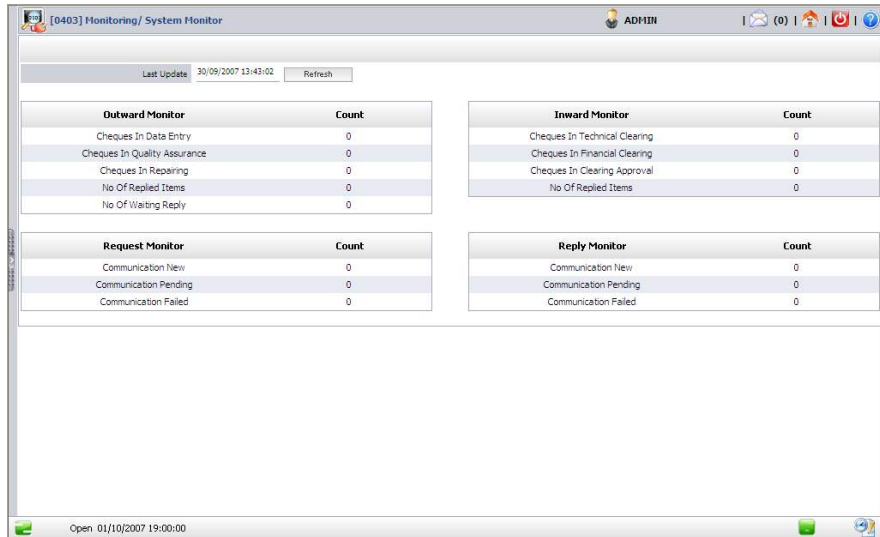


Figure 3-6: System monitor

As you can see in the **System Monitor** page (Figure 3-6) all you need to do here is clicking the **Refresh** button to update the very recent statuses of the cheques. Date and time of **Last Update** will appear after refreshing the database and the statuses of the cheques that are being processed will appear in the following areas; *Inward, Outward, Request and Reply*, too.

The following table illustrates the cheques statuses and the indication of each:

Cheque Status	Description
Replied Items	Replying to cheques that have been received by the BFD and the Pay Banks.
Waiting Reply	Cheques that have been sent to the Pay bank, but are still waiting for a reply from the bank.
Communication New	A request to send a cheque has just been issued from the BFD bank, but the cheque has not reached the ECCU and the Pay bank yet.

Communication Pending	The communication services are still trying to send the cheque to the ECCU, until they reach the maximum number of retries.
Communication Failed	The communication services have reached the maximum number of retries, and they failed to send the cheque to the ECCU, so the cheque status is now "Communication Failed".

3-4 Statistics Report

Menu path: Monitoring/ Statistics Report

Purpose: This report provides the responsible user with detailed information about all transactions of cheques that are being processed through the **PS-ECC** of the BFD and Pay banks.

Page No.: 0404

Bank / Status	Scan	Data Ent	Quality	Repair	BFD Requ	BFD Wait	BFD Comm	BFD Comm	Early It	Technica	Financia	Clear Ap	Pay Repl	Pay Repl	Pay Comm	Pay Comm
0 - ECCU 30/09 11:31:15	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0
1 - CB 02/08 12:57:31	0	0	57	12	0	437	0	0	232	678	194	4	2	6469	0	0
2 - JKB 02/08 12:58:12	0	2	939	96	0	6195	0	0	657	806	698	5464	0	5590	0	0
3 - JKB 02/08 12:57:11	0	2	220	3	3	6272	0	0	751	1242	0	0	0	22208	0	0
4 - BOJ 02/08 12:57:07	0	2	0	10	6	5526	0	0	899	0	0	65	23	22927	0	0
6 - HET 02/08 12:57:35	0	45	1584	0	0	5575	0	0	1558	4896	0	13123	1	24630	0	0
7 - HSB 02/08 12:58:20	0	1	13	2	0	1481	0	0	139	358	232	825	0	1751	0	0
8 - EAL 02/08 12:56:48	0	0	13	7	0	487	0	0	63	73	0	139	4	1474	0	0
9 - CAB 02/08 12:56:45	0	0	152	1	8	1922	0	0	411	321	0	73	2	9339	0	0
10 - ARAB 02/08 12:57:25	2	0	1382	27	2	15998	2	0	1550	0	0	0	20	41943	0	0
11 - JIB 02/08 12:56:35	3	4	1622	41	0	8930	0	0	1260	1877	0	2155	0	36485	0	0
12 - SCB 02/08 12:57:44	0	1	186	27	0	1198	0	0	142	290	356	1	0	3205	0	0
13 - JCB 30/09 14:24:09	0	51	24	1	0	116	202	0	10	28	13	25	0	77	0	0
15 - RAF 02/08 12:58:08	0	0	0	0	0	1	0	0	1	0	0	0	0	28	0	0
16 - CITI 02/08 12:57:33	0	0	138	0	0	439	0	0	32	111	0	0	0	451	0	0
17 - AIB 02/08 12:57:20	0	0	68	0	0	854	0	0	135	231	227	249	0	3780	0	0
21 - JIF 02/08 12:57:13	0	0	20	237	0	1368	0	0	187	495	713	626	0	3794	0	0
24 - ABC 30/09 14:24:04	0	1	0	16	22	0	0	0	437	1	0	275	0	9860	0	0

Figure 3-6: Statistics report

As you can see, the **Statistics Report** (Figure 3-6 and 7) appears to you displaying the following information about the BFD and Pay banks; **Bank/Status**, **Scan**, **Data Entry**, **Quality Assurance**, **Repair**, **BFD Request Export**, **BFD Waiting Reply**, **BFD Communication Pending**, **Early Item**, **Technical Clearing**, **Financial Clearing**, **Clear Approval**, **Pay Reply Export**, **Pay Replied**, **Pay Communication Pending**, **Replied**.

4. REPORTS

The **PS-ECC Report** module utilizes a rich reporting system that enables the user to generate reports by specifying certain parameters and entering specific search criteria to compile and format the **PS-ECC** reports to display data upon users' needs. The reports may not be enough to satisfy actual requirements of the Central Bank, for this reason an excellent function is enabled to help the user create and build new reports, upon business needs, using the Report Manager function. The user may output the reports in the suitable format that appeals to his desire; displayed to the user in for of softcopy, printout in form of hard copy or in form of Excel sheet.

The **Fees** and **Penalties** reports are expanded once you click the icon  to display the sub-items.

To start you need to click the Report module from the **PS-ECC** main menu. The Reports menu will be expanded to show all items inside.

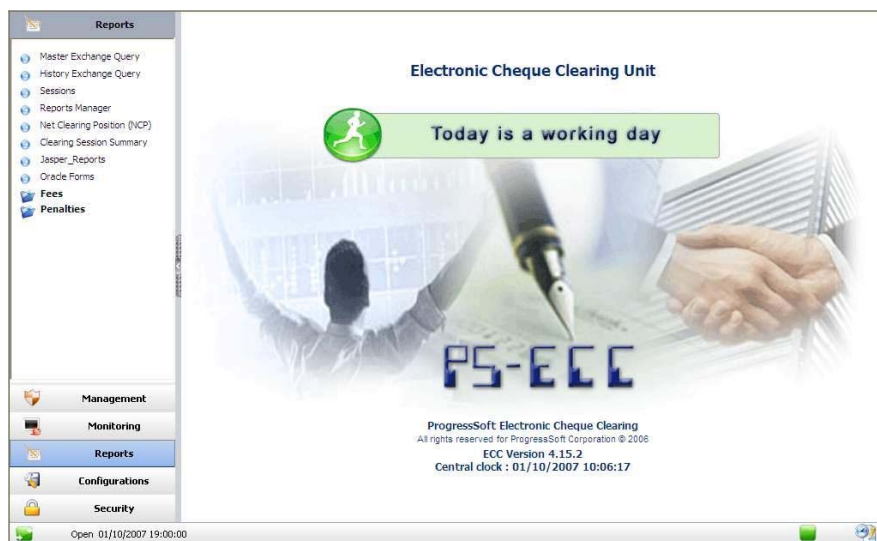


Figure 4-1: Reports menu

4-1 Master Exchange Query

Menu path: Reports/ Master Exchange Query

Purpose: This report provides the user with information about different types of presented cheques that are being retrieved from the master database. The cheques are categorized into two groups according to their direction; outward cheques and inward cheques.

Page No.: 0515

The screenshot displays the 'Master Exchange Query' report interface. It features a header bar with the title '[0515] Reports/ Master Exchange Query' and a user profile 'ADMIN'. Below the header, there are several sections of input fields and buttons. The first section contains 'BFD Bank' and 'Pay Bank' dropdowns, both set to 'All Banks', and 'BFD Branch' and 'Pay Branch' dropdowns, both set to 'All Branches'. To the right of these are 'Generate' and 'Clear' buttons, and below them are 'Print' and 'Excel' buttons. The second section contains date and sequence fields: 'San Sequence From' and 'San Sequence To' (both empty), 'San Date From' and 'San Date To' (both set to '01/10/2007'), 'Cheque Date From' and 'Cheque Date To' (both empty), 'Clearing Date From' and 'Clearing Date To' (both set to '01/10/2007'), and 'Expected Date From' and 'Expected Date To' (both set to '01/10/2007'). Each date field has a small calendar icon. The third section contains 'Amount From' and 'Amount To' (both empty), 'Pay Account No.' (empty), 'BFD Account No.' (empty), 'Sequence From' and 'Sequence To' (both empty), 'Cheque Serial' (empty), and 'Payment' (set to 'All'). The fourth section contains 'Currency' (set to 'All'), 'Status' (set to 'All Statuses'), 'Reason From' and 'Reason To' (both set to 'Select'), 'Urgency' (set to 'Select'), 'Max. Records' (set to '100'), 'Order By' (set to 'Sequence'), and 'Direction' (set to 'Inward'). At the bottom left, it says 'Open 01/10/2007 19:00:00'.

Figure 4-2: Master Exchange Query

The **Master Exchange Query** report (Figure 4-2). Select the **BFD Bank**, **BFD Branch**, **Pay Bank** and **Pay Branch** from the available drop-down lists. Enter the **Session Sequence From – To**. Select the **Session Date From – To**, **Cheque Date From – To**, **Clearing Date From – To**, **Expected Date From – To** from the calendar that will be activated once you click the **Calendar**  icon of each. Enter the **Amount From – To**, **Pay Account No.**, **BFD Account No.**, **Sequence From – To**, and **Cheque Serial**. Select the **Payment** method from the drop-down list. Select the **Status**, **Reason From – To**, **Urgency** level, **Max. number of Records**, **Order By** and **Direction** from the available drop-down lists of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**. To open the report data in form of Excel page, click on **Excel**.

4-2 History Exchange Query

Menu path: Reports/ History Exchange Query

Purpose: This report provides the user with information about deleted cheques and history cheques, replied and posted into the history database. These cheques are being retrieved from the history database and categorized into two groups according to their direction; outward cheques and inward cheques.

Page No.: 0516

The screenshot shows a web-based form titled "[0516] Reports/ History Exchange Query". The form is organized into several sections. At the top, there are dropdown menus for "BFD Bank" and "Pay Bank", both set to "All Banks". Next to them are "BFD Branch" and "Pay Branch", both set to "All Branches". To the right of these are buttons for "Generate", "Clear", "Print", and "Excel". Below these are three columns of input fields. The first column contains "San Sequence From", "San Date From" (with a calendar icon), "Cheque Date From", "Clearing Date From", and "Expected Date From". The second column contains "San Sequence To", "San Date To" (with a calendar icon), "Cheque Date To", "Clearing Date To", and "Expected Date To". The third column contains "Currency" (set to "All"), "Status" (set to "All Statuses"), "Reason From" (set to "Select"), "Reason To" (set to "Select"), "Urgency" (set to "Select"), "Max. Records" (set to "100"), "Order By" (set to "Sequence"), and "Direction" (set to "Inward"). At the bottom, there are fields for "Amount From", "Amount To", "Pay Account No.", "BFD Account No.", "Sequence From", "Sequence To", "Cheque Serial", and "Payment" (set to "All"). The bottom status bar shows "Open 01/10/2007 19:00:00".

Figure 4-3: History Exchange Query

The **History Exchange Query** report (Figure 4-3). Select the **BFD Bank**, **BFD Branch**, **Pay Bank** and **Pay Branch** from the available drop-down lists. Enter the **Session Sequence From – To**. Select the **Session Date From – To**, **Cheque Date From – To**, **Clearing Date From – To**, **Expected Date From – To** from the calendar that will be activated once you click the **Calendar**  icon of each. Enter the **Amount From – To**, **Pay Account No.**, **BFD Account No.**, **Sequence From – To**, and **Cheque Serial**. Select the **Payment** method from the drop-down list. Select the **Status**, **Reason From – To**, **Urgency** level, **Max. number of Records**, **Order By** and **Direction** from the available drop-down lists of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**. To open the report data in form of Excel page, click on **Excel**.

4-3 Sessions

Menu path: Reports/ Sessions

Purpose: This report provides the user with information about the running sessions during a certain period of time.

Page No.: 0518

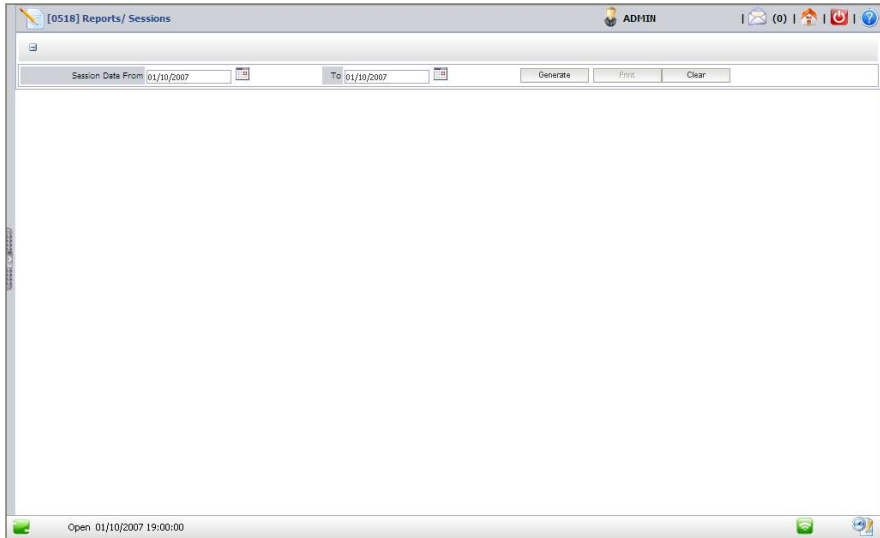
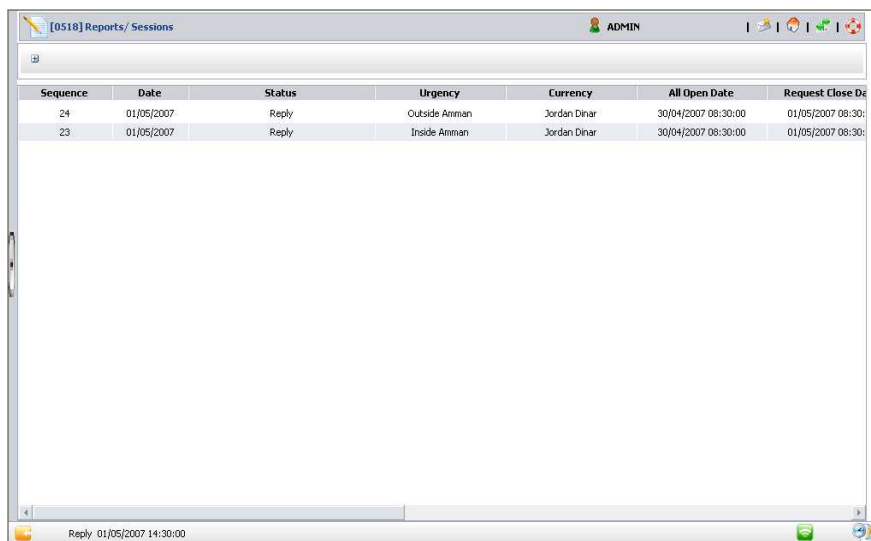


Figure 4-4: Sessions

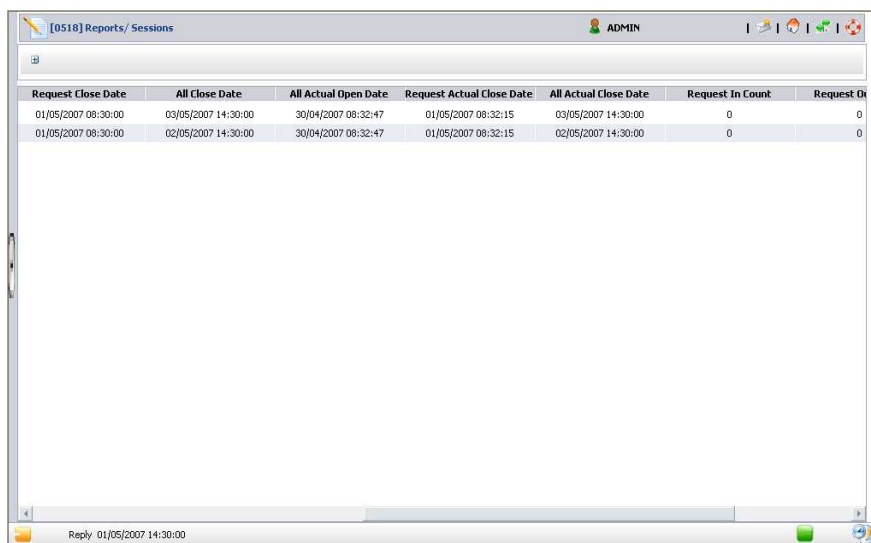
The **Sessions** report (Figure 4-4). Select the **Session Date From – To** from the calendar that will be activated once you click the **Calendar**  icon

Click on **Generate** to display the report output data (Figure 4-5 & 6). To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.



Sequence	Date	Status	Urgency	Currency	All Open Date	Request Close Date
24	01/05/2007	Reply	Outside Annman	Jordan Dinar	30/04/2007 08:30:00	01/05/2007 08:30:00
23	01/05/2007	Reply	Inside Annman	Jordan Dinar	30/04/2007 08:30:00	01/05/2007 08:30:00

Figure 4-5: Sessions result



Request Close Date	All Close Date	All Actual Open Date	Request Actual Close Date	All Actual Close Date	Request In Count	Request Out Count
01/05/2007 08:30:00	03/05/2007 14:30:00	30/04/2007 08:32:47	01/05/2007 08:32:15	03/05/2007 14:30:00	0	0
01/05/2007 08:30:00	02/05/2007 14:30:00	30/04/2007 08:32:47	01/05/2007 08:32:15	02/05/2007 14:30:00	0	0

Figure 4-6: Sessions result

4-4 Report Manager

Menu path: Reports/ Report Manager

Purpose: This report is provided to enable the user to add new reports that emerge from insistent business needs. The report is added by defining SQL statement and save it to be executed and run once upon request.

Page No.: 0519

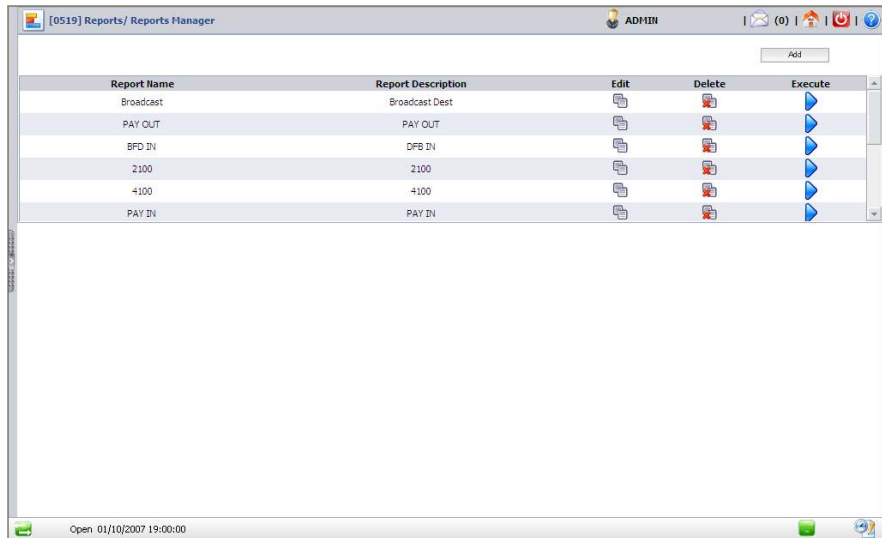


Figure 4-7: Report Manager

The **Report Manager** (Figure 4-7) is used when the user needs to inquire about information that is not represented in any of the Reports module.

The following are the steps to execute and run this report:

- 1- Click on **Add** (Figure 4-8)
- 2- Enter the **Report Name** and **Description**.
- 3- Enter the **SQL Statement** to compile and recall the data.
- 4- Click on **Test** to test the SQL statement you've just inserted and make sure it works successfully, and in such a case you will get a message "Report test succeeded. Again see (Figure 4-8).
- 5- Click on **Save** to save the new report.
- 6- Click on **Back** to go back to the report main page where you will find the new report you've just added.
- 7- Click the **Execute**  icon of this report to run it and view the real output of it (Figure 4-9).

[0519] Reports/ Reports Manager

Report Name: Rejected Cheques

Report Description: Report out-put to be

SQL Select: select count(*) as sts_cd, pay_bank_cd from ecc_cheques_out group by sts_cd, pay_bank_cd order by pay_bank_cd

Report test succeeded

Test Save Clear Back

Open 01/10/2007 19:00:00

Figure 4-8: Report Manager/ add report

To edit the information of a certain report, click the **Edit**  icon of it and you will get a new page where you can update the required information. To delete a report click **Delete**  icon of it.

[0519] Reports/ Reports Manager

ADMIN

Add

Report Name	Report Description	Edit	Delete	Execute
Rejected Cheques	Report out-put to be			
Broadcast	Broadcast Dest			
PAY OUT	PAY OUT			
BFD IN	DFB IN			
2100	2100			
4100	4100			

BRDCST_SEQ	BANK_CD
11857	1
11857	2
11857	3
11857	4
11857	6
11857	7
11857	8
11857	9
11857	10
11857	11
11857	12
11857	15
11857	16
11857	17
11857	21

Open 01/10/2007 19:00:00

Figure 4-9: Report Manager/ run report

4-5 Net Clearing Position

Menu path: Reports/ Net Clearing Position

Purpose: This report views the net clearing position of the bank; which contains the debt and credit balance on certain NCP date and for a specific currency type.

Page No.: 0520

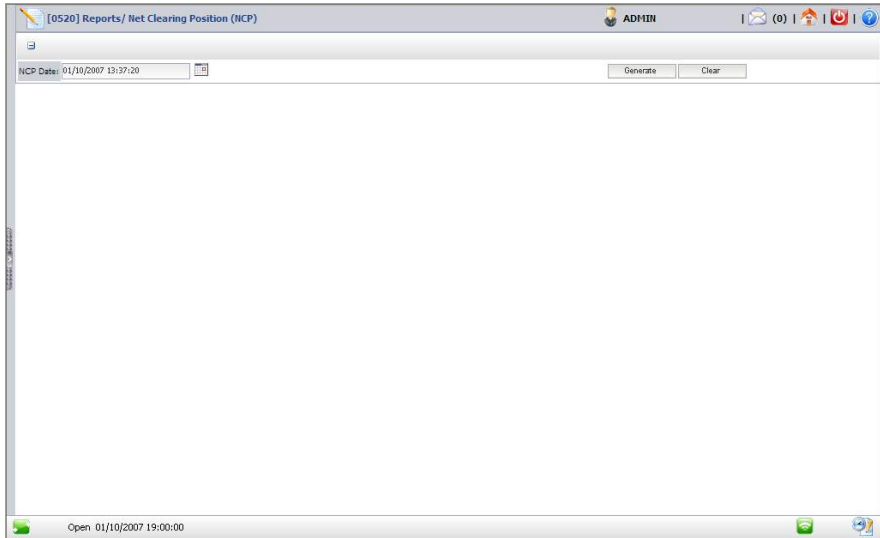


Figure 4-9: *Net Clearing Position*

The **Net Clearing Position** report (Figure 4-9). Select the **NCP Date** from the available calendar. Select the **Currency** type from the drop-down list. Click **Generate** to display the required data. Click **Clear** to blank the fields.

4-6 Clearing Session Summary

Menu path: Reports/ Clearing Session Summary

Purpose: This is a summary report that will view all BFD and Pay banks and for each bank the user can see the presented, accepted, rejected and difference cheques.

Page No.: 0522

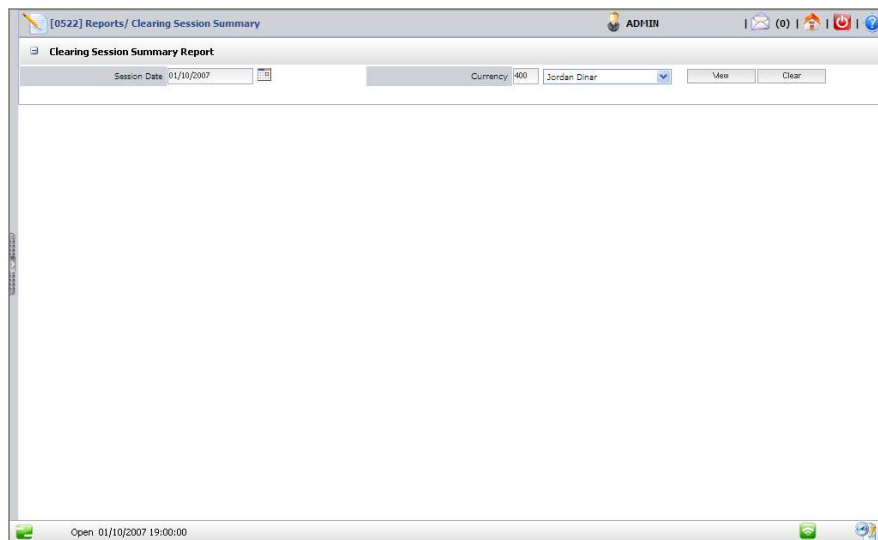


Figure 4-10: *Clearing Session Summary*

The **Clearing Session Summary** report (Figure 4-10). Select the **Session Date** from the available calendar. Select the **Currency** type from the drop-down list. Click **View** to display the required data. Please see (Figures 4-11 – 14) and note that accepted cheques appear in green color, rejected cheques appear in red color, and cheques difference appear orange color.

Click **Clear** to blank the fields.

[0522] Reports/ Clearing Session Summary ADMIN

Clearing Session Summary Report

Presented Accepted Rejected Difference

Pay/BFD	JNB	HSBC	JKB	EFB	UNION	AUDI
JNB		78 329,598.948	654 1,440,463.387	51 63,815.696	88 126,117.997	102 241,883.504
HSBC	51 470,138.459		69 1,046,541.316	5 32,290.910	34 70,576.030	18 17,160.287
JKB	382 1,089,492.748	54 707,535.438		33 962,916.031	70 368,115.849	83 350,875.338
EFB	57 77,351.985	9 22,075.497	51 105,937.022		7 84,330.209	25 77,500.695
UNION	86 200,904.895	22 106,690.275	130 181,460.735	14 537,022.955		25 39,064.015
AUDI	24 36,847.730	15 152,523.190	66 96,044.682	6 4,896.408	12 15,352.669	
AJIB	74 97,658.146	17 18,489.641	123 135,704.279	12 21,744.605	21 28,697.845	14 14,548.540
CBJ	87 333,192.118	10 256,555.073	68 303,556.886	4 1,683.131	17 172,956.470	22 252,038.903
HBTf	768 1,327,195.030	122 327,916.847	1220 1,708,687.492	59 281,232.500	177 347,141.567	107 159,005.420
SGBJ	97 152,496.338	20 18,798.803	209 206,307.076	7 5,313.200	25 20,501.836	18 38,855.300
JIF	92 211,124.619	14 501,284.848	126 270,379.928	7 6,163.592	28 19,146.801	14 8,658.310
ARAB	946 2,199,157.744	220 472,558.199	1425 3,008,294.382	98 80,367.115	221 231,691.263	230 257,648.931
ABC	180 230,986.472	54 30,940.975	180 773,610.455	15 4,537.596	64 63,380.277	88 60,550.248
CITI	5 51,795.750	8 160,218.820	8 19,539.520	1 1,576.000	3 2,700.000	13 9,896.750
JCB	239 423,391.767	32 474,387.473	399 939,334.341	24 33,199.620	80 70,301.778	42 169,110.201
BLOM	16 29,600.000		29 37,124.641	1 180.000	4 3,162.900	6 8,569.370
ITAB	126 94,107.923	19 17,601.704	252 324,565.263	5 1,954.830	32 11,764.283	13 7,403.356
RAF						

Reply 01/05/2007 14:30:00

Figure 4-11: Clearing Session Summary/ Presented

[0522] Reports/ Clearing Session Summary ADMIN

Clearing Session Summary Report

Presented Accepted Rejected Difference

Pay/BFD	JNB	HSBC	JKB	EFB	UNION	AUDI
JNB						
HSBC	8 7,035.976		2 435.000			
JKB	3 915.000					1 100.000
EFB	16 22,269.190	5 13,095.389	22 27,713.120		3 52,400.000	1 30,774.000
UNION	14 2,530.349	3 743.519	35 7,647.369			4 934.610
AUDI						
AJIB	3 911.000		7 2,565.092		1 1,200.000	1 280.000
CBJ						
HBTf						
SGBJ						
JIF						
ARAB						
ABC	85 66,415.734	35 12,134.976	82 570,426.528	8 3,331.139	49 52,904.192	70 41,639.452
CITI						
JCB						
BLOM						
ITAB						
RAF						

Reply 01/05/2007 14:30:00

Figure 4-12: Clearing Session Summary/ Accepted

[0522] Reports/ Clearing Session Summary

ADMIN

Clearing Session Summary Report

Presented Accepted **Rejected** Difference

Pay/BFD	JNB	HSBC	JKB	EFB	UNION	AUDI
JNB		1 1,500.000			1 2,000.000	
HSBC	1 234.380					
JKB	4 4,077.000				1 2,000.000	
EFB	8 979.756		5 27,715.521			
UNION		1 202.800	1 2,410.000			
AUDI						
AJIB						
CBJ						
HBTF	4 1,342.500		2 237.280			3 570.620
SGBJ		1 500.000	1 400.000		1 250.000	
JIF	1 74.000					
ARAB	3 4,913.500		2 1,800.000			1 231.605
ABC	11 33,177.510		6 7,078.000		2 228.000	4 2,649.994
CITI						
ICB	1 750.000	1 1,100.000	1 1,500.000			
BLOM	1 2,500.000					
TIAB						
RAF						

Reply 01/05/2007 14:30:00

Figure 4-13: Clearing Session Summary/ Rejected

[0522] Reports/ Clearing Session Summary

ADMIN

Clearing Session Summary Report

Presented Accepted **Rejected** Difference

Pay/BFD	JNB	HSBC	JKB	EFB	UNION	AUDI
JNB		77 328,098.948	654 1,440,463.387	51 63,815.696	87 124,117.997	102 241,883.504
HSBC	42 462,868.103		66 1,045,047.261	5 32,290.910	30 68,757.332	18 17,160.287
JKB	375 1,084,500.748	54 707,535.438		33 962,916.031	69 966,115.849	82 350,775.338
EFB	33 54,103.039	4 8,980.108	24 50,508.381		4 31,930.209	24 46,726.695
UNION	72 198,374.546	18 105,743.956	94 171,403.366	14 537,022.955		21 38,129.405
AUDI	24 36,847.730	15 152,523.190	66 96,044.682	6 4,896.408	12 15,362.669	
AJIB	71 96,747.146	17 18,489.641	116 133,139.187	12 21,744.605	20 27,497.845	13 14,268.540
CBJ	87 333,192.118	10 256,555.073	68 303,556.886	4 1,683.131	17 172,956.470	22 252,038.903
HBTF	764 1,325,852.530	122 327,916.847	1218 1,708,450.212	59 281,232.500	177 347,141.567	104 158,434.800
SGBJ	97 152,496.338	19 18,296.803	208 205,907.078	7 5,313.200	24 20,251.836	18 38,855.300
JIF	91 211,050.619	14 501,284.848	126 270,379.928	7 6,163.592	28 19,146.801	14 8,658.310
ARAB	943 2,194,244.244	220 472,556.199	1423 3,006,494.382	98 80,367.115	221 231,691.263	229 257,417.326
ABC	84 131,393.228	19 18,805.999	92 196,105.927	7 1,206.457	13 10,246.085	14 16,260.802
CITI	5 51,795.750	8 160,218.820	8 19,539.520	1 1,576.000	3 2,700.000	13 9,896.750

Reply 01/05/2007 14:30:00

Figure 4-14: Clearing Session Summary/ Difference

4-7 Fees Report

Menu path: Reports/ Fees/ Fees Report

Purpose: This report enables the responsible user to view detailed information about the fees charged from clients in return for offering them certain services and/ or more benefit when getting the cheques paid. Urgent cheque service is a good example where concerned clients are supposed to pay fees.

Page No.: 0522

The screenshot shows a web application window titled "[0526] Reports / Fees Report". The user is logged in as "ADMIN". The form contains the following fields and controls:

- Bank Name:** A text field with "10" and a dropdown menu showing "Arab Bank".
- Date From:** A text field with a calendar icon.
- Date To:** A text field with a calendar icon.
- Direction:** A dropdown menu showing "From Bank".
- Name:** A dropdown menu showing "All".
- Branch Name:** A dropdown menu showing "All Branches".
- Currency:** A dropdown menu showing "Euro".
- Buttons:** "Generate", "Print", and "Clear".

The status bar at the bottom left shows "Open 01/10/2007 19:00:00".

Figure 4-15: Fees report

The **Fees** report (Figure 4-15). Select the **Bank Name** and **Branch Name** from the available drop-down lists. Click the calendar icon  of each field to pick the **Date From** and **Date To** of the period you want to cover. Select the **Direction**, **Currency** and **Name** from the drop-down list of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.

4-8 Bank Fees Summary Report

Menu path: Reports/ Fees/ Bank Fees Summary Report

Purpose: This report enables the responsible user to view detailed information about the fees charged from clients, of certain bank, in return for offering them certain services and/ or more benefit when getting the cheques paid.

Page No.: 0527

Figure 4-16: Bank Fees Summary report

The **Bank Fees Summary** report (Figure 4-16). Select the **Bank Name** from the available drop-down list. Click the calendar icon  of each field to pick the **Date From** and **Date To** of the period you want to cover. Select the **Direction**, **Currency** and **Name** from the drop-down list of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.

4-9 Branch Fees Summary Report

Menu path: Reports/ Fees/ Branch Fees Summary Report

Purpose: This report enables the responsible user to view detailed information about the fees charged from clients, of certain bank of certain branch, in return for offering them certain services and/ or more benefit when getting the cheques paid.

Page No.: 0528

Figure 4-17: Branch Fees Summary report

The **Branch Fees Summary** report (Figure 4-17). Select the **Bank Name** and the **Branch Name** from the available drop-down lists. Click the calendar icon  of each field to pick the **Date From** and **Date To** of the period you want to cover. Select the **Direction**, **Currency** and **Name** from the drop-down list of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.

4-10 Penalties Report

Menu path: Reports/ Penalties/ Penalties Report

Purpose: This report enables the responsible user to view detailed information about the penalties imposed on banks in case of breaking the announced rules of the Clearing system. When a BFD bank sends a cheque with incorrect or incomplete image information, the Central Bank will impose a penalty on the bank. Another example is when a Pay bank delays in paying cheques, the Central Bank will impose a penalty on this bank.

Page No.: 0529

The screenshot shows a web-based form for generating a Penalties Report. The form is titled "[0529] Reports /Penalties Report" and is accessed by a user named "ADMIN". The form contains several input fields and buttons:

- Bank name (03):** A dropdown menu with "Jordan Ahi Bank" selected.
- Date From:** A text field with a calendar icon.
- Currency:** A dropdown menu with "Euro" selected.
- Branch Name:** A dropdown menu with "All Branches" selected.
- Date To:** A text field with a calendar icon.
- Name:** A dropdown menu with "All" selected.
- Buttons:** "Generate", "Print", and "Clear".

The status bar at the bottom of the window indicates "Open 01/10/2007 19:00:00".

Figure 4-18: Penalties report

The **Penalties** report (Figure 4-18). Select the **Bank Name** and the **Branch Name** from the available drop-down lists. Click the calendar icon  of each field to pick the **Date From** and **Date To** of the period you want to cover. Select the **Currency** and **Name** from the drop-down list of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.

4-11 Bank Penalties Summary Report

Menu path: Reports/ Penalties/ Bank Penalties Summary Report

Purpose: This report enables the responsible user to view summary information about the penalties imposed on certain bank in case of breaking the announced rules of the Clearing system.

Page No.: 0530

The screenshot shows a web application window titled "[0530] Reports / Bank Penalties Summary Report". The user is logged in as "ADMIN". The form contains the following elements:

- Bank name:** A dropdown menu currently set to "All".
- Date From:** A text field with a calendar icon to its right.
- Date To:** A text field with a calendar icon to its right.
- Currency:** A dropdown menu currently set to "Euro".
- Name:** A dropdown menu currently set to "All".
- Buttons:** Three buttons labeled "Generate", "Print", and "Clear" are located at the bottom right of the form.
- Status Bar:** At the bottom of the window, it displays "Open 01/10/2007 19:00:00".

Figure 4-19: Bank Penalties Summary report

The **Bank Penalties Summary** report (Figure 4-19). Select the **Bank Name** from the available drop-down list. Click the calendar icon  of each field to pick the **Date From** and **Date To** of the period you want to cover. Select the **Currency** and **Name** from the drop-down list of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.

4-12 Branch Penalties Summary Report

Menu path: Reports/ Penalties/ Branch Penalties Summary Report

Purpose: This report enables the responsible user to view summary information about the penalties imposed on certain branch of certain bank, in case of breaking the announced rules of the Clearing system.

Page No.: 0531

Figure 4-20: Branch Penalties Summary report

The **Branch Penalties Summary** report (Figure 4-20). Select the **Bank Name** from the available drop-down list. Click the calendar icon  of each field to pick the **Date From** and **Date To** of the period you want to cover. Select the **Currency** and **Name** from the drop-down list of each.

Click on **Generate** to display the report output data. To clear the entry fields, click on **Clear**. To get a printout copy of the report, click on **Print**.

5. CONFIGURATION

PS-ECC is based on a versatile set of parameters that provide a good level of flexibility. **PS-ECC** system is completely configurable, permitting the system administrator, superior users and certain authorized users to set up and parameterize the system upon banks and users' business requirements and needs.

The Configuration items and parameters are easily configured by the administrator user(s) as well as the end users; for certain items of the system. **PS-ECC** system is primarily installed and configured with prime items such as; *banks, branches, parameters, and system labels*. The administrator has higher privileges to add, edit, update, view and delete the items upon request and in accordance with special protocols that control and steer the system proper operation. The Central Bank is the only authorized and absolute body to add some new items to the system such as; *new banks, branches, currencies, holidays, and urgencies* and then broadcast them to all member banks. The end user is allowed to set up specific functional items such as; *User Preferences* and *User Password*.

To start you need to select the Configuration module from the **PS-ECC** main menu (Figure 5-1). Once clicked, the Configuration menu will be listing all items inside.

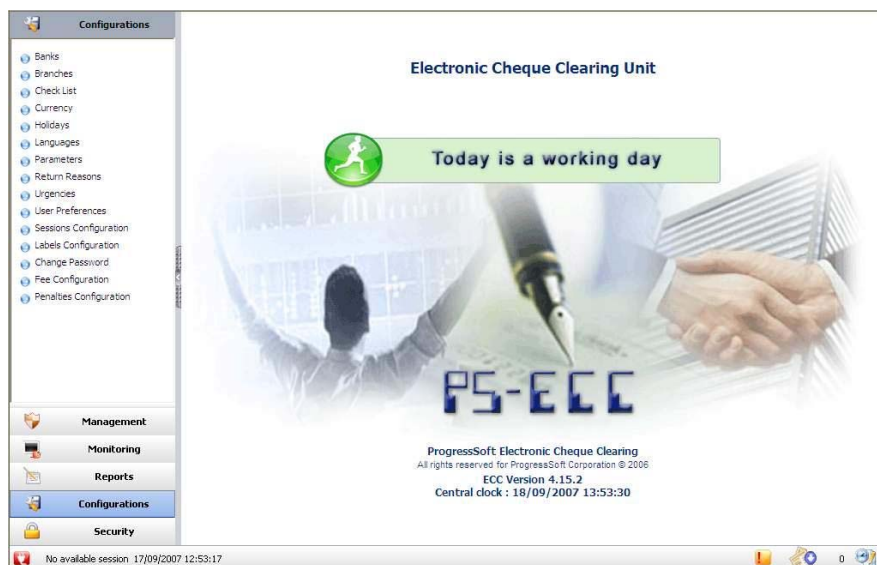


Figure 5-1: Configuration menu

Click **Add** to save the new entries or **Cancel** to cancel them.

The screenshot shows the 'Configurations | Banks' window. The form contains the following fields:

- Bank Code: 007
- Bank Name: ABC
- Bank Short Name: ABC
- Bank Base URL: http://192.50.50
- Address:
- Telephone number: 5656777
- Owner Bank: Select
- Active: Active
- Max age (Months): 0
- Settling bank code: Auto Bank

Below the main form is a section titled 'Bank Foreign Names' with two rows:

- English:
- Arabic: ABC

At the bottom right of the form are 'Add' and 'Cancel' buttons. The status bar at the bottom indicates 'Connected 08/07/2006 13:17:34' and 'Open for Reply: 08/07/2006 14:00:00'.

Figure 5-3: Add new bank

To edit information of any bank, after you save it, click **Edit**  of this bank to get a new page (Figure 5-4) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

The screenshot shows the 'Configurations | Banks' window for editing an existing bank. The form contains the following fields:

- Bank Code: 10
- Bank Name: Arab Bank
- Bank Short Name: ARAB
- Bank Base URL: http://
- Address:
- Telephone number: 002-60000000
- Owner Bank: Arab Bank
- Active: Active
- Max age (Months): 01
- Settling bank code: Auto Bank

Below the main form is a section titled 'Bank Foreign Names' with two rows:

- English: Arab Bank
- Arabic: Arab Bank

At the bottom right of the form are 'Update' and 'Cancel' buttons. The status bar at the bottom indicates 'Connected 08/07/2006 13:15:33' and 'Open for Reply: 08/07/2006 14:00:00'.

Figure 5-4: Edit banks information

To delete any bank, click the **Delete**  icon of it. A pop-up alert message “*Are You Sure You Want to Delete the Bank?*” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

 **Note:** Before deleting any bank make sure that it doesn’t have even a single cheque under processing in any of its branches; otherwise the deletion action will be invalid.

5-2 Branches

Menu path: Configuration/ Branches

Purpose: This program enables the user to add a new branch, and to edit/ delete existing branch(es).

Page No.: 0602

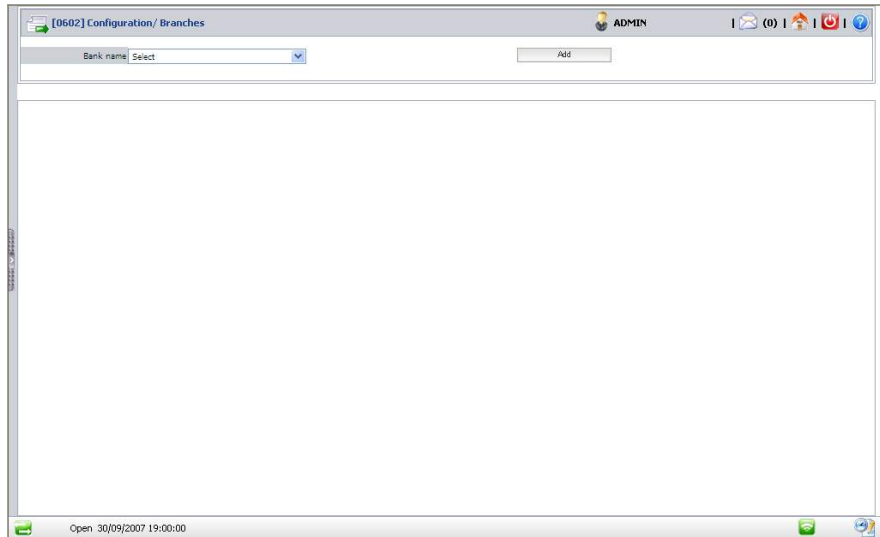


Figure 5-5: Branches

The **Branches** page (Figure 5-5) is used to add new branches or delete certain branch upon request. Also you may view branches of a certain bank using this page. And to do so, select the **Bank Name**; you want to display its branches, from the drop-down list so that all branches of this bank will be retrieved and displayed to you (Figure 5-6).

To add a new branch click **Add** to get a new page (Figure 5-7) and start entering information of this branch. Select the **Bank Name** that you wish to add a new branch to from the available list of banks. Enter the **Branch Code**, **Branch Name**. Enter the branch's **English** and **Arabic** names in the **Branch Foreign Names** section. Click **Add** to save the new entries or **Cancel** to cancel them.

[0602] Configuration / Branches ADMIN

Bank name: Arab Bank Add

Bank Code	Branch Code	Branch Name	Edit
10	1920	cti mall	
10	1340	5th circle	
10	1190	Abdali	
10	1330	Abdoun	
10	1310	Abu Al-anda	
10	1460	Abu Nusair	
10	1410	Ain Albasha	
10	1750	Ajloun	
10	1180	Al-Shmeisan/main office	
10	1220	Alaqaba	
10	1550	Alashrafeyeh	
10	0	Aledara elaamah	
10	1440	Alfjahis	
10	1850	Alghwairayeh	
10	1680	Alhashmi Alhamli	
10	1870	Alhasmeyeh University	
10	1820	Alhussein Airport	
10	1560	Alhussein Camp	
10	1900	Aljabal Alshamal/rajoz	
10	1260	Aljubeiha Street	
10	1020	Alkarak	

Open 24/09/2007 19:00:00

Figure 5-6: Branches

[0602] Configuration / Branches ADMIN

Bank name: Arab Bank Branch Code: 001 Branch Name: Gardens

Urgency: 10

Branch Foreign Names

English: Arab Bank
Arabic: البنك العربي

Add Cancel

Open 24/09/2007 19:00:00

Figure 5-7: Add new branch

To edit information of any branch, after you save it, click the **Edit**  icon of it to get a new page (Figure 5-8) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click on **Cancel**.

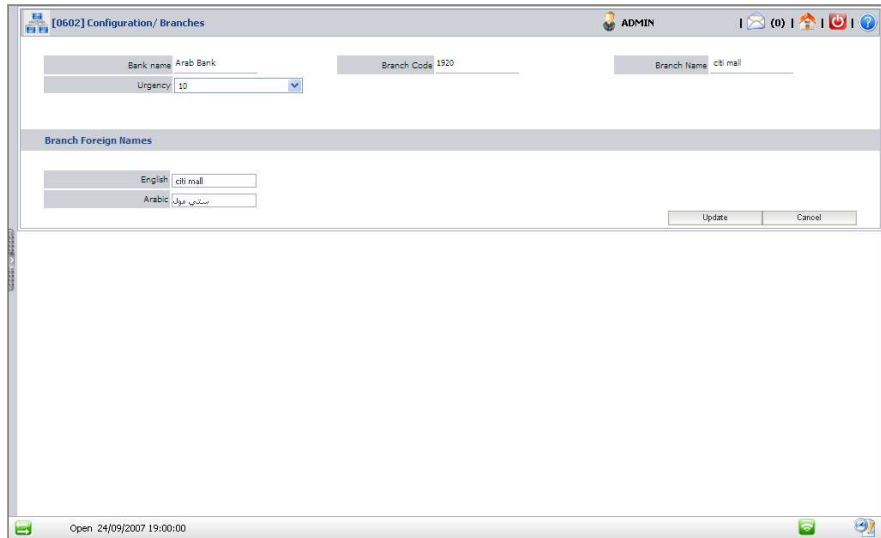


Figure 5-8: Edit branches information

To delete a branch, click the **Delete**  of the required branch. A pop-up alert message “Are You Sure You Want to Delete the Branch?” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

 **Note:** Before deleting any branch make sure that it doesn’t have even a single cheque under processing; otherwise the deletion action will be invalid.

5-3 Check List

Menu path: Configuration/ Check List

Purpose: This program enables the user to add new check list items and to edit/delete existing item(s).

Page No.: 0603

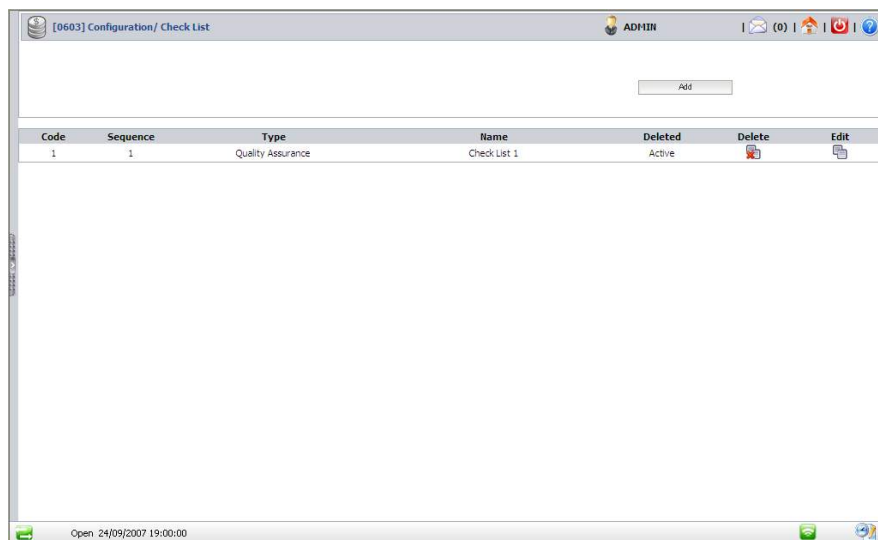


Figure 5-9: Check list

The **Check List** is a list of items that users should systematically verify while implementing the *Quality Assurance*, *Technical Clearing*, and *Financial Clearing* functions, to make sure of conformity of all items of the check list with the cheque items and conditions to be processed successfully.

To start adding a new item to the check list, click **Add**, found on the upper right side of the page (Figure 5-9). You will get a new page (Figure 5-10) to enter the information of the new check list item. Now proceed by entering the item **Code**, **Sequence**; this is a unique number or an identifier of the order by which the item will appear to the user and stored in the database. Select the item **Status** from the small drop-down list that contains two choices; *active* or *idle*. Select the **Type** of the *Cheque List*; e.g *Quality Assurance*, *Technical Clearing* and *Financial Clearing*. Enter the **English Name** of the item. In the **Checklist Foreign Name** section; enter the English and Arabic names of the new item. Once you are done click on **Add** to save the entries or **Cancel** to cancel them. Now the record of the newly added item will be added and displayed with the other items in the main page of the **Check List**.

Figure 5-10: Add new check list item

To edit information of any item, after you save it, click the **Edit**  icon of it to get a new page (Figure 5-11) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

Figure 5-11: Edit check list item information

If you want to delete an item, click the **Delete**  icon of it. A pop-up alert message “*Are You Sure You Want to Delete the Item?*” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

 **Note:** When you delete a check list item, it will not disappear from the list, but it will be disabled with a *deleted* status.

 **Note:** If the item is *deleted* and you want to restore it (active), click on **Edit** then change the status of the item by selecting *not deleted* from the drop-down list.

5-4 Currency

Menu path: Configuration/ Currency

Purpose: This program enables the user to add new authorized currencies and to edit/ delete existing currencies.

Page No.: 0604

Currency Code	Currency Name	Currency Symbol	Currency Decimal	Currency Monetary Character	Currency Exchange Rate	Delete	Edit
300	Euro	E	2	E	0.0		
400	Jordan Dinar	JOD	3	.	0.0		
100	Riyal	R	4	.	0.0		
200	Yen	Yen	1	.	0.0		

Figure 5-12: Currency

The **Currency** page (Figure 5-12) is used to help the user add new currencies in which cheques will be paid out, in the clearing process, through the **PS-ECC** system. The Currency main page displays a list of all currencies defined and added to the system

To start adding a new currency, click **Add**, found on the upper right side of the page. You will get a new page (Figure 5-13) to enter the information of the new currency. Now proceed by entering the **Currency Code**, **Currency Name**, **Currency Symbol**; short name of the currency, **Currency Decimal**; that will separate numbers such as; (.) or (,) etc. **Currency Monetary Character**; such as SDD for the Sudanese Dinar, \$ for the Dollar, £ for the pound, € for the Euro, etc. Enter the **Currency Exchange Rate**. Enter the currency **English** and **Arabic** names in the **Currency Foreign Names** section.

Click **Add** to save the new entries or **Cancel** to cancel them.

Figure 5-13: Add new currency

To edit information of any currency, after you save it, click the **Edit**  icon of it to get a new page (Figure 5-14) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

Figure 5-14: Edit currency information



If you want to delete a currency, click the **Delete** icon of it. A pop-up alert message *“Are You Sure You Want to Delete the Currency?”* will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

5-5 Holidays

Menu path: Configuration/ Holidays

Purpose: This program enables the user to set the official and national holidays, calculate the expected reply time of any cheque and run the clearing process in a proper cycle of work during the official working days.

Page No.: 0605

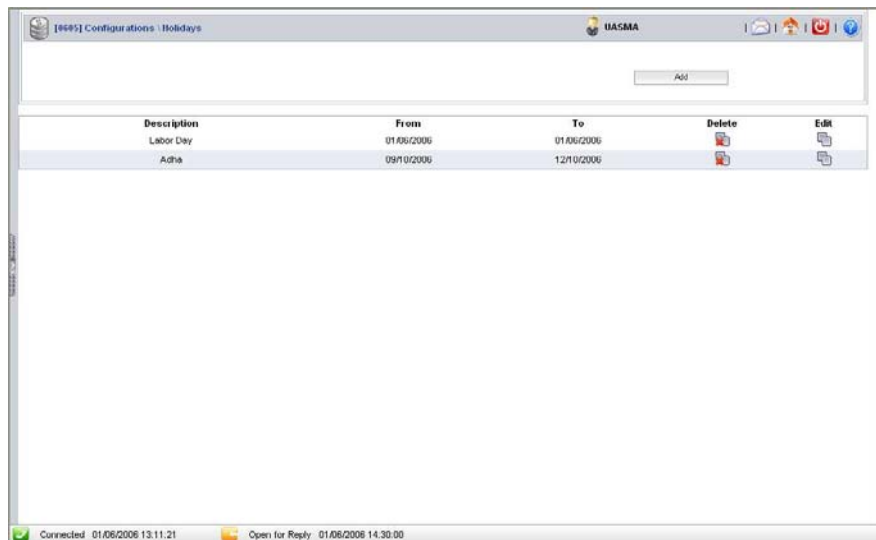
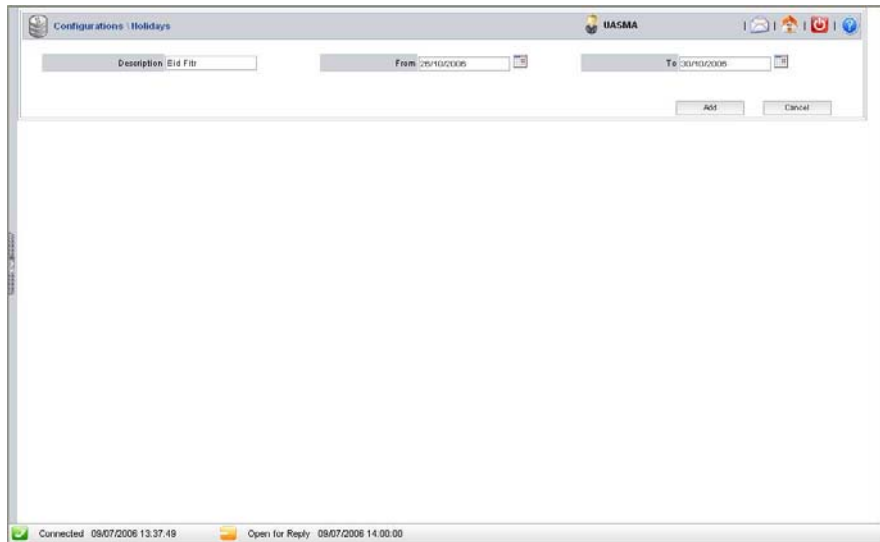


Figure 5-15: Holidays

PS-ECC enables the use of **Holidays** (5-15) to calculate the expected reply time of any cheque. For example, if the expected reply time of a regular cheque is one day and today is Thursday, then the system will find that “Friday and Saturday” are holidays and were set in the system. Therefore, the expected reply time will be on Sunday. This applies to all holidays whether official or national.

To start, click on **Add** to get another page (Figure 5-16) where you can define and enter the holiday variables. Enter the holiday **Description**, select the holiday dates **From** – **To** from the calendar that will be active once you click the **Calendar** icon.

Click on **Add** to save the new holiday or **Cancel** to cancel it.



Configurations | Holidays

UASMA

Description: Eid Fitr

From: 25/10/2006

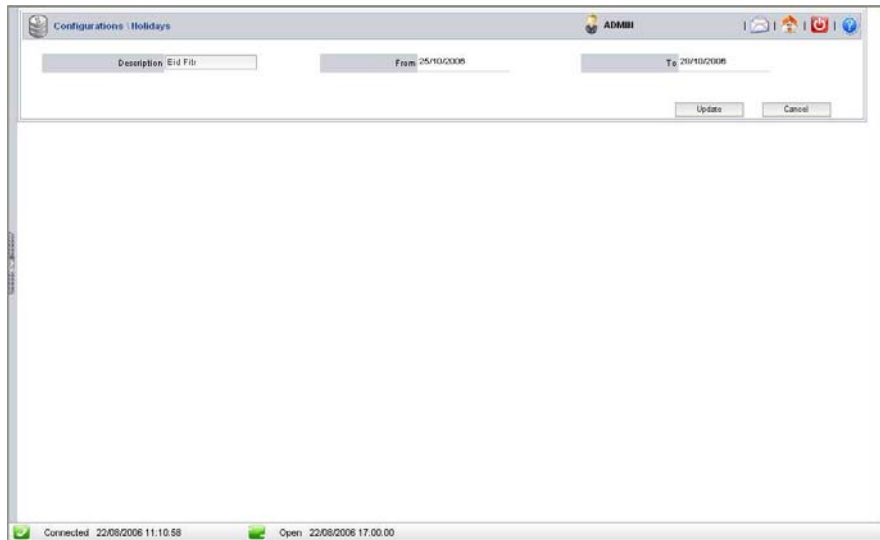
To: 25/10/2006

Add Cancel

Connected 09/07/2006 13:37:49 Open for Reply 09/07/2006 14:00:00

Figure 5-16: Add new holiday

To edit information of any holiday, after you save it, click the **Edit**  icon of it to get a new page (Figure 5-17) where you can edit the information as needed. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.



Configurations | Holidays

ADMIN

Description: Eid Fitr

From: 25/10/2006

To: 25/10/2006

Update Cancel

Connected 22/08/2006 11:10:58 Open 22/08/2006 17:00:00

Figure 5-17: Edit holiday information



If you want to delete any holiday, click the **Delete** icon of it. A pop-up alert message “*Are You Sure You Want to Delete the Holiday?*” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

5-6 Languages

Menu path: Configuration/ Languages

Purpose: This program enables the user to add a new language and to edit/ delete existing language(s).

Page No.: 0606

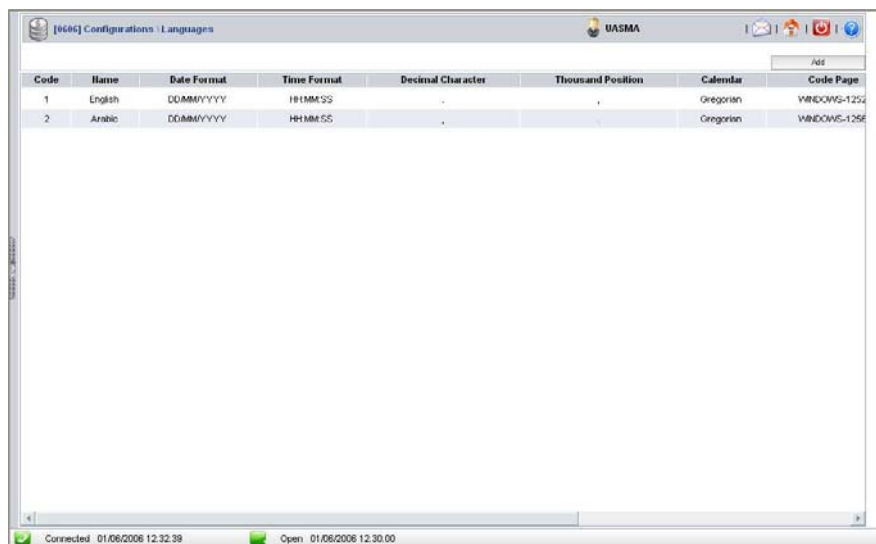


Figure 5-18: Languages

Note: The default language to be used by a user every time he logs into the system is set and fixed in the **Preferences** page; section 5-9.

The **Languages** page (Figure 5-18) displays a list of all the languages defined and added to the system. To start adding a new language, click on **Add**, found on the upper right of the page. You will get a new page (Figure 5-19) to enter information of the new language.

Now proceed by entering the language **Code**, **Name**, **Date Format**; for example: *dd/mm/yyyy* and so on, and the default **Currency** of this language; for example: Sudanese Dinar is the official currency for the Arabic language in Sudan, and Jordanian Dinar is the official currency for the Arabic language in Jordan. Enter the **Time Format**; *hh:mm* and so on, **Decimal Character**; the character that separates the integer from the fraction of the amount, **Thousand Position**; the number of characters after the decimal to be used, and **Short Description** of the language. Enter the default **Calendar** of this language; which may be Hijri or Gregorian, **Code Page**. (For more information; Code Page is a table that describes a

character set for a particular speaking language. It is used by the operating system to display and print a language properly).

Finally select the **Direction** of the language from the drop-down list; either from *right to left* or from *left to right*.

Once you are done click **Add** to save the data or **Cancel** to cancel it.

The screenshot shows a web application window titled 'Configurations | Languages' with the 'UASMA' logo in the top right. The window contains a form with the following fields:

- Code: 012
- Name: Arabic
- Date Format: dd.mm.yyyy
- Currency: £
- Time Format: hh:mm
- Decimal Character: .
- Thousand Position: 0
- Short Desc: /r
- Calendar: g
- Code Page: 1010
- Direction: Left-to-Right (selected)

At the bottom right of the form are 'Add' and 'Cancel' buttons. The status bar at the bottom indicates 'Connected 01/06/2006 12:52:44' and 'Open for Reply 01/06/2006 14:30:00'.

Figure 5-19: Add new language

Scroll the page to the right to view the *Edit* and *Delete* icons and the rest of the page information.

To edit information of any language, after you save it, click the **Edit**  icon of it and you will get a new page (Figure 5-20) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

The screenshot shows the 'Configurations > Languages' window. It contains several input fields and buttons. The 'Name' field is filled with 'English'. The 'Calendar' dropdown is set to 'Gregorian'. The 'Code Page' dropdown is set to 'WINDOWS-1252'. The 'Direction' dropdown is set to 'Left-to-Right'. There are 'Update' and 'Cancel' buttons at the bottom right. The status bar at the bottom indicates a connection status and timestamps.

Figure 5-20: Edit language information

If you want to delete a language, click **Delete**  of the required language. A pop-up alert message “Are You Sure You Want to Delete the Language?” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

 **Note:** You can’t delete the English language because it’s the standard default language of the PS-ECC system.

5-7 Parameters

Menu path: Configuration/ Parameters

Purpose: This program enables the responsible user to view/ edit all parameters of the system upon the bank's business needs. Parameters are configured with the system first installation and initial configuration of its values.

Page No.: 0607

Parameter Name	Parameter Section	Parameter Value	Parameter Note	Edit
NextPostdatedStatus	SysGlobalParams	1050		
UrgentRetrySleep	SysGlobalParams	3	In which status to put the postdated checks when it is due in case urgent cheque, try 3 times to send it from BFD to ACH then Unreachable dest.	
NthFrwrdUtrReadTimeoutR	SysGlobalParams	00.01	Useless (not functional)	
LogonUserInterval	SysGlobalParams	100	Useless (not functional)	
DelSysCurrency	SysGlobalParams	400	For status bar	
ChequeSerialLength	SysGlobalParams	6		
WeekEnd	SysGlobalParams	FRI,SAT	The days name of the weekend	
CentralWebServicePath	NETCommsParams	\\ECCCentralServices\CentralWebSvc.asmx		
HeartBeatPeriod	SysGlobalParams	10	every 10 minutes to check if there is a connection between App and DB (Database survive)	
KeepMasterPeriod	SysGlobalParams	1	no of days to keep the cheque in master Database	
DelDtlCode	SysGlobalParams	2	Code of owner in case we have multi banks at the same bank	
BroadCastFlag	SysGlobalParams	1	0: dont broadcast, 1: Broadcast	
OldDateOfIn	SysGlobalParams	992	Old dated cheques	
EccDatabaseLocalVersion	SysGlobalParams	4.12.0.0	ECC database version	
Amount	MicroInfo	3,11,1,000,999999999	Useless (not functional)	
PostdatedSchdl	SysGlobalParams	02062006010000		
AccountInfo	MicroInfo	1,16,1,999999999999999999	Useless (not functional)	
CurrencyCode	MicroInfo	3,3,634,634	Useless (not functional)	
BranchCode	MicroInfo	3,3,1,999	Useless (not functional)	
BankCode	MicroInfo	3,3,1,999	Useless (not functional)	

Connected 01/06/2008 12:52:44 Open for Reply 01/06/2008 14:30:00

Figure 5-21: Parameters

The **Parameters** page (Figure 7-21) displays the following information; **Parameter Name**, **Parameter Section**, **Parameter Value**, and **Parameter Note**.

To edit and update information of a certain parameter, click **Edit**  of the required parameter. A new page will be displayed to you (Figure 7-22). Edit the required information and click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

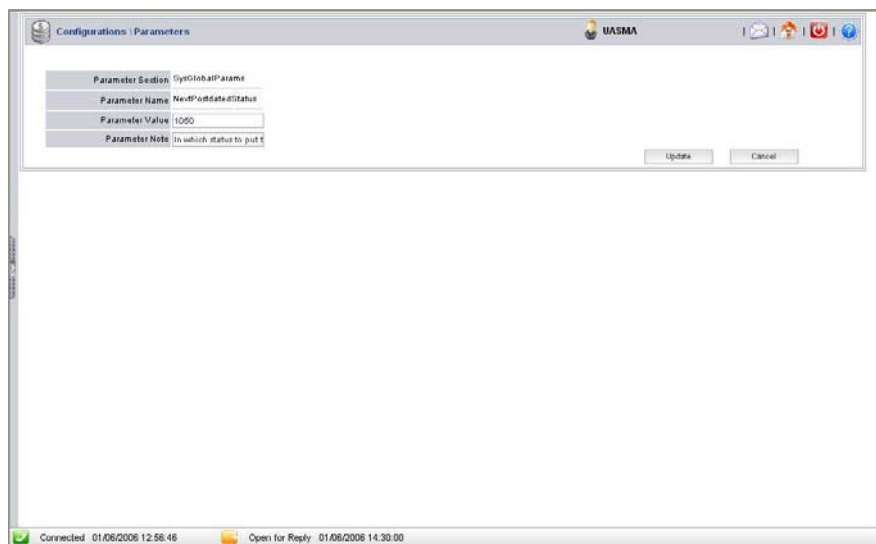


Figure 5-22: Edit parameters

Note: For more information, appendix four is attached to the user manual which is devoted to provide detailed description about each single parameter of the system.

5-8 Return Reasons

Menu path: Configuration/ Return Reasons

Purpose: This program enables the user to add a new return reason and to edit/delete an existing reason currently in use.

Page No.: 0608

Reason Code	Reason English Description	Active	System Flag	Countable
0	ACCEPTED	Active	No	Yes
1	Unavailable funds	Active	No	Yes
2	Not sufficient funds	Active	No	Yes
3	Closed Account	Active	No	Yes
4	Missing / Old date	Active	No	Yes
5	Amount in words and figures differs	Active	No	Yes
6	Irregular signature(s)	Active	No	Yes
7	Missing signature(s)	Active	No	Yes
8	First endorsement missing	Active	No	Yes
9	Irregular endorsement sequence	Active	No	Yes
10	Lost endorsement missing	Active	No	Yes
11	Alteration requires drawers signature	Active	No	Yes
12	Check currency	Active	No	No
13	Check cannot be endorsed	Active	No	Yes
14	Not drawn on us	Active	No	Yes
15	Supporting documents not attached	Active	No	Yes
16	Missing stamps, insufficient stamps	Active	No	Yes
17	Check reported as lost	Active	No	Yes
18	Court order not to pay check	Active	No	Yes
19	Check is not MICR encoded	Active	No	Yes
20	Printer-print witness missing	Active	No	Yes

Figure 5-23: Cheque Return Reasons

The **Return Reasons** (Figure 5-23) are ISO standards that are imported to the system by the system administrator. You may want to add new return reasons and to do so, click on **Add**. You will get a new page (Figure 5-24) to enter all information of the new return reason. Proceed by entering the **Reason Code**. Select the **Active** option from the drop-down list. Select the **Countable** option; Yes and No. Yes, is selected when the reason is considered by the ECCU as a complete cycle after the cheque being returned from the Pay bank or the ECCU. There are certain reasons in which a clearing process is not counted as a cycle such as: *unreachable destination* and in such a case the chosen option will be *No*. from the available lists. Enter the **English Reason** of the **Description**. Select the **System Flag** from the list; Yes means that the reason is returned due to an automatic action from the system; e.g; already paid. *No*. means the reason is resulted from a user action at the Pay bank.

Click **Add** to save the new entries or **Cancel** to cancel them.

Figure 5-24: Add a new return reason

Scroll the page to the right to view the *Edit* and *Delete* icons and the rest of the page information. To edit information of any return reason, after you save it,

click the **Edit** icon of it to get a new page (Figure 5-25) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

Figure 5-25: Edit return reason information



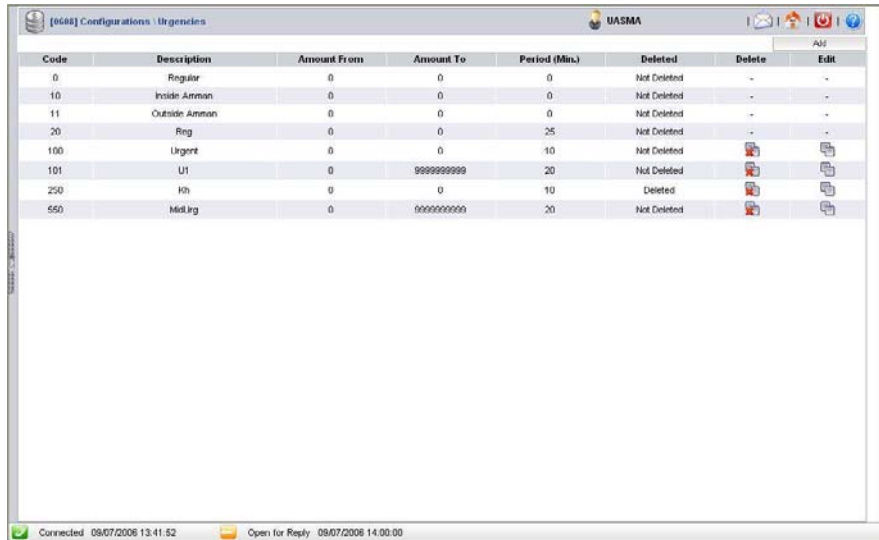
If you want to delete a return reason, click **Delete** of the required reason. A pop-up alert message “*Are You Sure You Want to Delete the Reason?*” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

5-9 Urgencies

Menu path: Configuration/ Urgencies

Purpose: This program enables the user to define and add new urgency levels by which priorities are given to cheques to be processed in the **PS-ECC** system.

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Code	Description	Amount From	Amount To	Period (Min.)	Deleted	Delete	Edit
0	Regular	0	0	0	Not Deleted	-	-
10	Inside Aman	0	0	0	Not Deleted	-	-
11	Outside Aman	0	0	0	Not Deleted	-	-
20	Ring	0	0	25	Not Deleted	-	-
100	Urgent	0	0	10	Not Deleted		
101	UI	0	9999999999	20	Not Deleted		
250	Kh	0	0	10	Deleted		
550	Midling	0	9999999999	20	Not Deleted		

Figure 5-26: Urgencies

The **Urgency** function (Figure 5-26) indicates an urgent situation, calls for prompt action, of clearing (processing) certain cheques. Urgencies are classified into two levels; **Urgent** and **Regular**, according to priority and importance of the cheque. Urgency levels are ruled by amount range and period of time. Urgent cheques have a high priority that implies cheques to be replied to within a very limited period of time; that is why the authorized user at the ECCU has to define a time limit for the reply event from the Pay bank.

To start adding a new urgent level, click **Add** that is found on the upper right of the page. You will get a new page (Figure 5-27) to enter information of the new urgency level. Now proceed by entering the **Code** of the urgency level, **Description** of the urgency. Enter the **Amount** range **From – To**. In order to issue urgency for a cheque, there is a condition that amounts on the concerned cheques must be within a certain range of values. Select the **Status** of the level, **Deleted** or **Not Deleted**. When clicking the delete icon of a certain urgency code, the urgency status will be automatically changed to **Deleted** (permanently).

Enter the **Short Name** of the urgency level; that is the urgency class. Enter the **Period in Minutes**; this is the time within which a cheque must be replied to. Enter the urgency **English** and **Arabic** names in the **Urgency Foreign Names** section.

Click **Add** to save the new entries or **Cancel** to cancel them.

Figure 5-27: Add new urgency level

To edit information of any urgency level, after you save it, click the **Edit**  icon of it to get a new page (Figure 5-28) where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

If you want to delete an urgency level, click **Delete**  of the required level. A pop-up alert message “Are You Sure You Want to Delete the Urgency?” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

Configurations : Urgencies

UASMA

Code: 100

Amount From: 0

Status: Not Deleted

Description: Urgent

Amount To: 0

Short Name: U

Period (Min): 10

Urgency Foreign Name

English: Urgent

Arabic: Urgent

Update

Cancel

Connected 09/07/2006 13:41:52

Open for Reply 09/07/2006 14:00:00

Figure 5-28: Edit urgency information

5-10 User Preferences

Menu path: Configuration/ User Preferences

Purpose: This program is designed to enable the system users, every one to select the desired preferences to be applied to the part of the system he has privileges to access. The user preferences are such as; the default bank and branch, interface language, date format, default currency, and interface font size.

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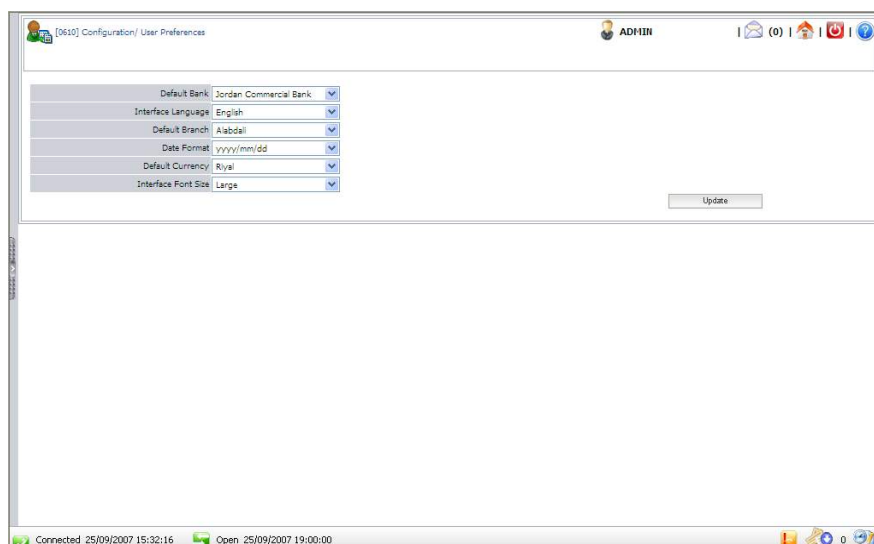


Figure 5-29: User preferences

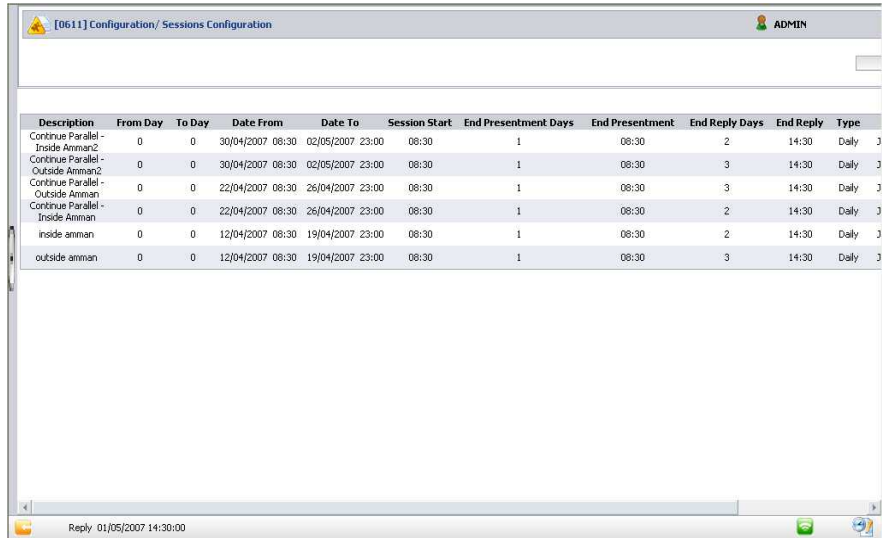
The **User Preferences** page (Figure 5-29) is used to default certain items and functions to customize the system upon special needs of the user. To start, select the **Default Bank** from the available list. This will make things easier for you, as so you don't need to select your bank name every time you are logged into the system. Select the **Interface Language** from the drop-down list; the language of the system user's interface. Select the **Default Branch** from the available drop-down list; this will make things easier for you, as so you don't need to select the branch name every time you are logged into the system. Enter the **Date Format** used for this language; e.g: format of the date in the English language may be "dd/mm/yyyy". Enter the **Default Currency** for this language; e.g: the default currency for the *Arabic* language is the *Jordanian Dinar* and the default currency for the *English* language is the *Dollar*. Once you are done, click **Update** to save the entries into the database. Any time you would like to change or update the information of this page, just enter your changes and again click **Update**.

5-11 Session Configuration

Menu path: Configuration/ Session Configuration

Purpose: This program enables the user to define schedule(s) for the daily, weekly, and monthly clearing sessions.

Page No.: 0611



The screenshot shows a web application window titled "[0611] Configuration/ Sessions Configuration" with a user icon labeled "ADMIN". Below the title bar is a table with the following data:

Description	From Day	To Day	Date From	Date To	Session Start	End Presentment Days	End Presentment	End Reply Days	End Reply	Type
Continue Parallel - Inside Amman2	0	0	30/04/2007 08:30	02/05/2007 23:00	08:30	1	08:30	2	14:30	Daily
Continue Parallel - Outside Amman2	0	0	30/04/2007 08:30	02/05/2007 23:00	08:30	1	08:30	3	14:30	Daily
Continue Parallel - Outside Amman	0	0	22/04/2007 08:30	26/04/2007 23:00	08:30	1	08:30	3	14:30	Daily
Continue Parallel - Inside Amman	0	0	22/04/2007 08:30	26/04/2007 23:00	08:30	1	08:30	2	14:30	Daily
inside amman	0	0	12/04/2007 08:30	19/04/2007 23:00	08:30	1	08:30	2	14:30	Daily
outside amman	0	0	12/04/2007 08:30	19/04/2007 23:00	08:30	1	08:30	3	14:30	Daily

At the bottom of the window, there is a status bar showing "Reply 01/05/2007 14:30:00" and some system icons.

Figure 5-30: Session configuration

When scheduling clearing sessions (Figure 5-30) the user has to define the type of each schedule; as well as cheques' currency, urgency level, end of presentment time, and end of reply time for each session.

The user may set up the following clearing session types:

- **Daily Clearing Sessions:** a normal daily clearing session.
- **Weekly Clearing Sessions:** a weekly clearing session.
- **End of Month Sessions:** a clearing session schedule for end and beginning of months.
- **Only Once:** special calendar day session that's scheduled for one time only.

To add a new session click **Add**, found on upper right of the page. You will get a new page (Figure 5-31), which is the default type of sessions page, to enter information of the new session.

The screenshot shows the 'Session Configuration | Configurations' window. The 'Type' is set to 'Daily'. The 'Description' is 'DailyJD Urgent'. The 'Date From' is '03-07-2006' and the 'Date To' is '03-07-2007'. The 'Session Start' is '15:00'. The 'End Presentment' is '17:30' and the 'End Reply' is '18:15'. The 'Currency' is 'Jordan Dinar' and the 'Urgency' is 'Urgent'. The 'Undefined (AutoExtend)' checkbox is unchecked. The 'Update' and 'Cancel' buttons are at the bottom right. The status bar at the bottom shows 'Connected 08/07/2006 13:45:55' and 'Open for Reply 08/07/2006 14:00:00'.

Figure 5-31: Session information/ daily

Select the **Session Type** from the drop-down list; which is *Daily* in our example here. Enter the session **Description** and **Date From – To** by clicking the **Calendar**  icon to activate the function and select the required dates from it. Select the time from – to (in hours and minutes) from the small lists associated with the dates fields. Set the **Session Start** time in (hh:mm); that is to be selected from the small lists. Enter the **End Presentment** and **End Reply** of a cheque and select the time in (hh:mm) for each. Select the session **Currency** and **Urgency** level from the drop-down lists. Place a check in the **Auto Extend** check box if you would like to apply automatic extension to this type of sessions.

Click **Update** to save the session's data or **Cancel** to cancel them.

To define another type of sessions; weekly for example, select **Weekly** from the session's type drop-down list. You will get a new page (Figure 5-32).

The screenshot shows the 'Session Configuration' window with the following fields and values:

- Type:** Weekly
- Description:** (empty text field)
- Open Days:**
 - Sunday: ☐ Monday: ☐ Tuesday: ☐
 - Wednesday: ☐ Thursday: ☐ Friday: ☐ Saturday: ☐
- Date From:** (empty text field)
- Date To:** (empty text field)
- Session Start:** 00:00
- End Presentment:** 00:00
- End Reply:** 00:00
- Currency:** Dollar
- Urgency:** Inside Amman
- Undefined (AutoExtend):** ☐

At the bottom of the window, there are two buttons: 'Add' and 'Cancel'. The status bar at the very bottom shows 'Connected 09/07/2006 13:47:56' and 'Open for Reply 09/07/2006 14:00:00'.

Figure 5-32: Session information/ weekly

Select the **Session Type** from the drop-down list; which is *Weekly* in our example here. Enter the session **Description**. From the **Open Days**, place a check in the check box of the required day on which you want to assign the weekly session. Enter the **Date From – To** by clicking the **Calendar** icon to activate the function and select the required dates from it. Select the time from – to in (hh:mm) from the small lists associated with the dates fields. Set the **Session Start** time in (hh:mm); that is to be selected from the small lists. Enter the **End Presentment** and **End Reply** of a cheque and select the time in (hh:mm) for each. Select the session **Currency** and **Urgency** level from the drop-down lists. Place a check in the **Auto Extend** check box if you would like to apply automatic extension to this type of sessions.

Click **Update** to save the session's data or **Cancel** to cancel them.

To define another type of sessions that is executed once a month, select **End of Month** from the session's type drop-down list. You will get a new page (Figure 5-33).

The screenshot shows a web-based 'Session Configuration' window. The title bar includes a logo, the text 'Session Configuration | Configurations', and a user profile icon labeled 'UASMA'. The main form area contains the following fields and controls:

- Type:** A dropdown menu with 'End of Month' selected.
- Description:** A text input field.
- From Day:** A text input field.
- To Day:** A text input field.
- Date From:** A date picker icon and a time selection dropdown (00:00).
- Date To:** A date picker icon and a time selection dropdown (00:00).
- Session Start:** A time selection dropdown (00:00).
- End Presentment:** A time selection dropdown (00:00).
- End Reply:** A time selection dropdown (00:00).
- Currency:** A dropdown menu with 'Dollar' selected.
- Urgency:** A dropdown menu with 'Inside Amman' selected.
- Undefined (autoExtend):** An unchecked checkbox.

At the bottom right of the form are 'Add' and 'Cancel' buttons. The status bar at the bottom shows 'Connected 09/07/2008 13:47:56' and 'Open for Reply 09/07/2008 14:00:00'.

Figure 5-33: Session information/ end of month

Select the **Session Type** from the drop-down list; which is *End of Month* in our example here. Enter the session **Description**. Enter the session period **From Day** – **To Day**. Enter the session **Date From** – **To** by clicking the *Calendar*  icon to activate the function and select the required dates from it. Select the time from – to in (hh:mm) from the small lists associated with the dates fields. Set the **Session Start** time in (hh:mm); that is to be selected from the small lists. Enter the **End Presentment** and **End Reply** of a cheque and select the time in (hh:mm) for each. Select the session **Currency** and **Urgency** level from the drop-down lists. Place a check in the **Auto Extend** check box if you would like to apply automatic extension to this type of sessions.

Click **Update** to save the session's data or **Cancel** to cancel them.

To define another type of sessions that is executed only for one time, select **Only Once** from the session's type drop-down list. The parameters values of this type are identical to the daily session values.

To update information of a certain session, click the **Edit** icon  of it to get a new page that displays all information of this session, which you entered before. Add the new changes as required and then click the **Update** button.

5-12 Labels Configuration

Menu path: Configuration/ Labels Configuration

Purpose: This program enables the administrator or any authorized user to edit texts of the system labels in a certain language that is selected from the available list of languages.

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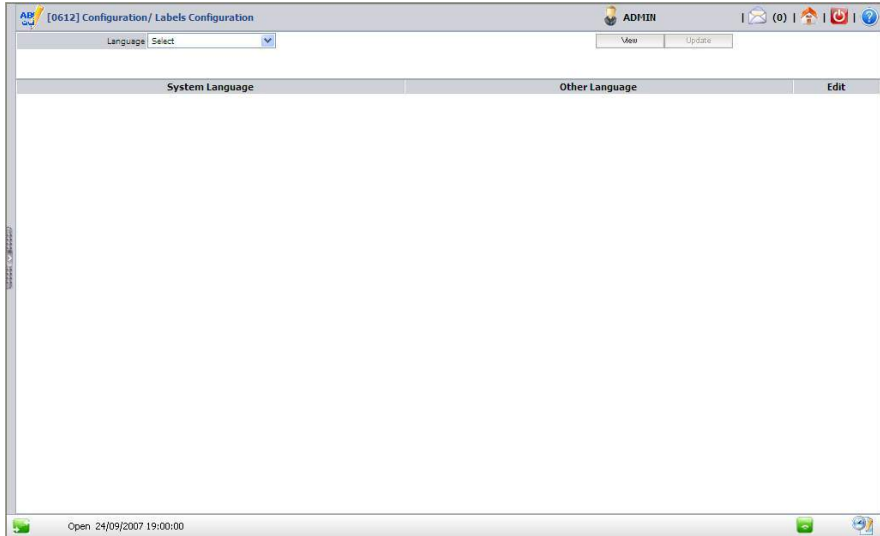


Figure 5-34: Labels Configuration

The **PS-ECC** system **Labels Configuration** function is part of the system primary settings that are uploaded to the system with the first installation. The default language of the system is the English language. Labels in other languages are uploaded to the system by the user upon request and are selected from a drop-down list that contains all the languages, added to the system (see section 5-6), other than the default language.

To start editing any given label, first you need to select the other **Language** from the drop-down list as shown in (Figure 5-34) the main page of the **Labels Configuration**. Click **View** so that all labels will be retrieved, from the database, and displayed in both the *System Language* which is the English and the *Other Language* which is the Arabic in our example here (Figure 5-35).

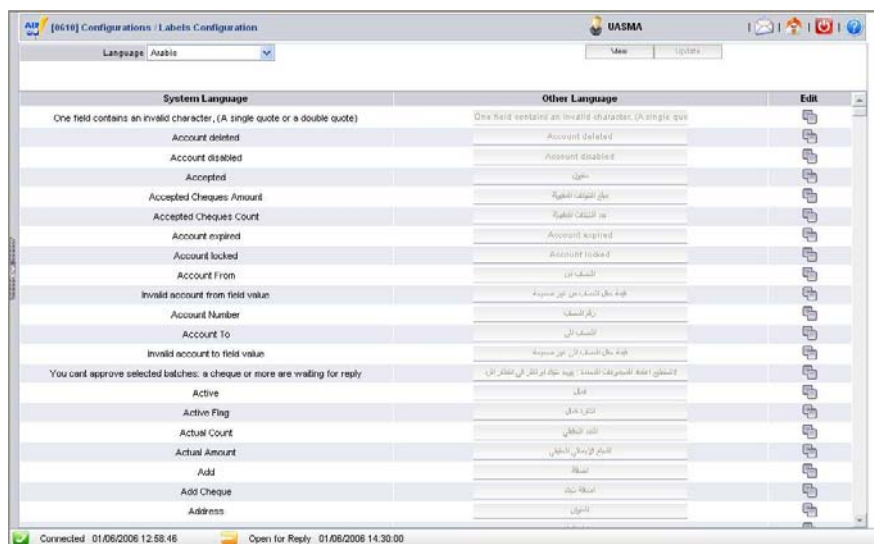


Figure 5-35: Labels Configuration result

To edit a label, click **Edit**  of the concerned label. The **Other Language** label will be editable (Figure 5-36) in order for you to edit the text as you wish. Click **Update** after you are finished to take the new changes.



Figure 5-36: Edit labels

5-13 Change Password

Menu path: Configuration/ Change Password

Purpose: This program enables the system users each to change his/her own password for purposes of ensuring higher security environment.

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Figure 5-37: Change Password

The **Change Password** page (Figure 5-37) is used to change the old password, which was set by the system administrator in the **Security** system, and enter a new one. According to the policy that controls the password validity of each user, it might require users to change their passwords upon the first login to the system, by that the users will be alerted with a message that they should change the password.

To start, enter the old **Password** which is the current one. Enter the **New Password**, and then **Confirm** the new **Password**, properly, to get the confirmation message “*New Password Matches Confirm Password*”. Click **Update** to accept the changes and store them in the database. To clear the entries and empty the fields, in case of any entry mistake, click **Reset** and you will get the fields blank.

5-14 Fee Configuration

Menu path: Configuration/ Fee Configuration

Purpose: This program helps the responsible user fix the fees amounts to be charged from clients in return for offering them certain services and/ or more benefit when getting the cheque paid. Urgent cheque service is a good example where concerned clients are supposed to pay fees.

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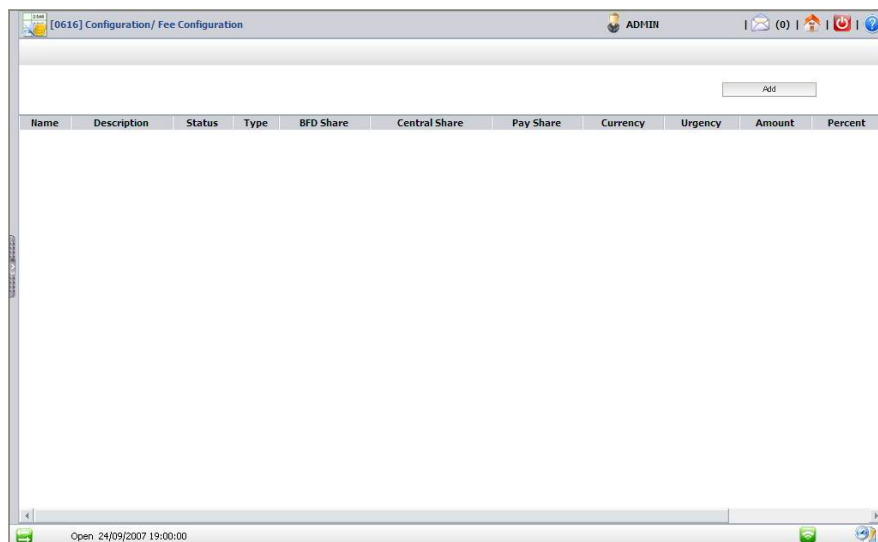


Figure 5-38: *Fee Configuration*

The **Fee Configuration** page (Figure 5-38) is used to fix and define fees amounts being charged from the client in case of getting extra services when handling his cheques' transactions

To add a new fee click **Add**; on the upper right side of the page. You will get a new page (Figure 5-39). Enter the following information; **Percent** of the fee, **Description**, **BFD Share**, **Central Share**, **Pay Share**. Select the proper value pertaining to each of the following fields; **Type**, **Idle**, **Currency**, **Urgency**, each from its drop down list.

Enter the fees' **English** and **Arabic** names in the **Fee Foreign Names** section. Click **Add** to save the new entries or **Cancel** to cancel them.

[0616] Configuration/ Fee Configuration

ADMIN

Percent: 0.0
Description:
SFD Share: 0.0
Central Share: 0.0
Pay Share: 0.0

Type: Percent
Status: Idle
Currency: Euro
Urgency: Regular

Fee Foreign Names

English:
Arabic:

Add Cancel

Open: 24/09/2007 19:00:00

Figure 5-39: Add new fee

To edit information of any fee, after you save it, click the **Edit**  icon of it to get a new page where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

If you want to delete a fee, click **Delete**  of the required record. A pop-up alert message “Are You Sure You Want to Delete the Fee?” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

5-15 Penalties Configuration

Menu path: Configuration/ Penalties Configuration

Purpose: This program helps the responsible user fix the penalties amounts to be imposed on the commercial banks in case of breaking the announced rules of the Clearing system. When a BFD bank sends a cheque with incorrect or incomplete image information, the Central Bank will impose a penalty on the bank. Another example is when a Pay bank delays in paying cheques, the Central Bank will impose a penalty on this bank.

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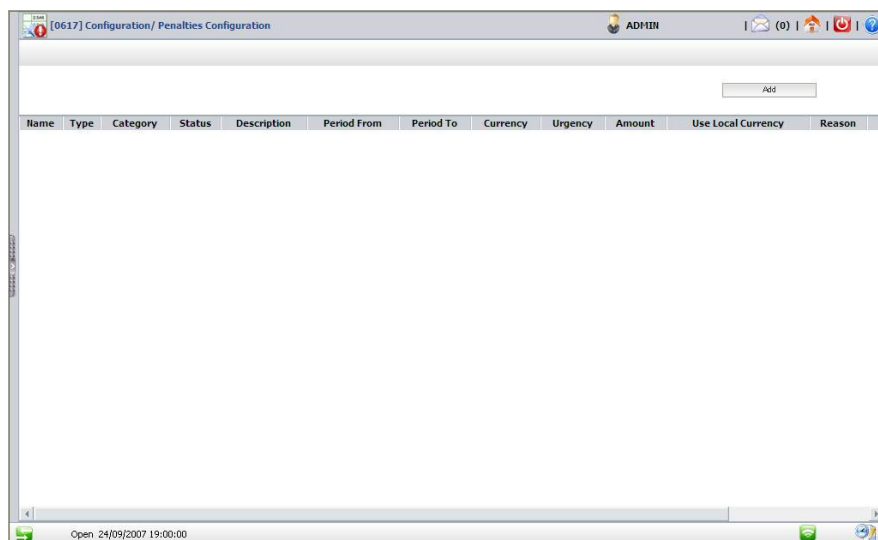


Figure 5-40: Penalties Configuration

The **Penalties Configuration** page (Figure 5-40) is used to fix and define penalty amounts being imposed on the commercial in case of breaking the announced rules of the Clearing system.

To add a new penalty click **Add**; on the upper right side of the page. You will get a new page (Figure 5-41). Enter the following information; **Percent** of the penalty, **Description**, **Period From**, **Period To** (in minutes). Select the proper value pertaining to each of the following fields; **Penalized Entity**, **Interval**, **Currency**, **Urgency**, **Status**, **Type**, **Category**, and **Reason**, each from its drop down list.

Enter the penalty's **English** and **Arabic** names in the **Penalty Foreign Names** section. Click **Add** to save the new entries or **Cancel** to cancel them.

[0617] Configuration/ Penalties Configuration

ADMIN

Percent: 0.0

Description:

Period From: 0 Minutes

Period To: 0 Minutes

Penalized Entity: BPD

Interval: 1

Currency: Euro

Urgency: Regular

Status: Idle

Type: Percent

Category: Time Based

Reason: Insufficient funds

Penalty Foreign Names

English:

Arabic:

Add Cancel

Open: 24/09/2007 19:00:00

Figure 5-41: Add new penalty

To edit information of any penalty, after you save it, click the **Edit**  icon of it to get a new page where you can edit the required information. Once you are done click **Update** to reflect the new changes into the system database. To cancel the changes, click **Cancel**.

If you want to delete a penalty, click **Delete**  of the required record. A pop-up alert message “Are You Sure You Want to Delete the Penalty?” will appear to you to confirm the deletion action. Click **OK** to confirm or **Cancel** to cancel.

6. SECURITY

The **Electronic Cheque Clearing** system; **PS-ECC** provides a very secure **Security** system that acts as a gate built to control the ins and outs of the **PS-ECC**. The system is designed and structured with several layers of security. The sophisticated security layers start with the user authentication based on the operating system integrated domain that is triggered when the user starts up his computer. A final security precaution level is implemented on **PS-ECC** that allows administrators to fit privacy to users accessing features of the system.

Here the administrator has all the power to define new users, new groups, and new roles. The administrator can also assign roles to users and groups of users according to the functional hierarchy, of each, at the bank. Besides, the administrator can define the workstations through which users can log into the system, the working hours during which users are allowed to log into the system in addition to dealing with the users' passwords. Finally a track is available to trace every single action that takes place by a user on the system.



Figure 6-1: Security menu

The security system consists of the following functional items;

- **Administration**
- **Audit Log**
- **Log Management**
- **User Information**
- **ACL Management**
- **Logout**

6-1 Administration

The **Administration** section of the **PS-ECC-Security** system provides the capability to manage the entire system according to the different business requirements and needs inside the bank. This will tailor the use of the system to be easily and effectively operated. The importance of this feature arises when users and groups of users have to be set with specified access rights according to the employment hierarchy. Many other features also have to be managed in order to control the operation of the system in the most sufficient manner, such as Audit Log, Log Management, ACL Management and others.

6-1-1 Users

Users are added to the **PS-ECC** system through the **Security/ Administration/ Users**. In order to control the **PS-ECC** process; each user will have a user name and a password to login to the system. There are two types of Users: **Local Users** and **Directory Users**. *Local Users*; are the system regular users and *Directory Users*; are the users connected to the same directory that is created by the Windows Directory services. This directory contains a list of the required users and each user has a unique security ID that identifies him from all the other users. Once the directory user is created and a regular user joined the machine to this directory, the workstation will be managed by this directory.

Click the **Administration** item from the **Security** main menu, to get the default page of the Administration (Figure 6-2). And note that you will find the *Administrator* user is initially defined with the system early configurations having the user name: *admin* and the password: *admin*. This user has access to the security system only in order to start adding and defining users and granting privileges to them.



Click  to start adding new users and/or view the existing users.

Here the administrator may filter the display of all users added to the system by using the **Filter** function; top of the left corner. As you can see in (Figure 6-3), click the **Filter** function and pick the type of users, you would like to display, from the list. Click **Apply Filter** to display and view the type of users you have just filtered.

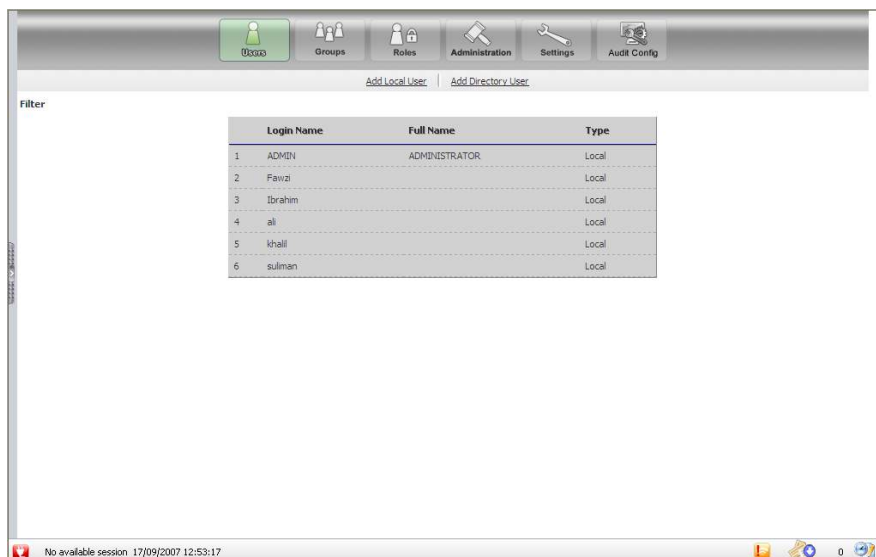


Figure 6-2: Administration/ Users



Figure 6-3: Filtering the display of users

To start adding and defining new users, first you need to decide either you want to add a *Local User* or a *Directory User*. To add a local user, click **Add Local User** and you will get a page of seven tabs (Figure 6-4) where you can enter the required information in the following tabs; **Information**, **Account**, **Working Hours**, **Vacations**, **Groups**, **Roles** and **Workstations**.

The screenshot displays the 'Add Local User/ Information' dialog box within the PS-ECC Admin User Manual. The dialog box is titled 'Users List' and features a tabbed interface with the following tabs: Information, Account, Working Hours, Vacations, Groups, Roles, and Workstations. The 'Information' tab is currently selected, revealing a form with the following fields and values:

- Login Name:** Omar
- Password:** (masked with dots)
- Confirm Password:** (masked with dots)
- Full Name:** Omar Ahmad Ali
- Email:** omar@company.com
- Phone:** 065700005
- Mobile:** 0795000000
- Fax:** 065788886

A 'Reset' button is located next to the Password field. At the bottom of the dialog box are 'Cancel' and 'OK' buttons. The status bar at the bottom of the application window shows 'Connected 11/06/2006 16:42:00' and 'No available session 11/06/2006 16:42:17'.

Figure 6-4: Add Local User/ Information

Now proceed by filling in the **Information** of the first tab; enter the **Login Name** and **Password**. User login name and password are mandatory fields unless a blank password is permitted from the *Administration/ Policy*. *If you wanted to reset the password while in the process of entering the user information, click the **Reset** button so as to empty the password field and enter a new one.* Re-enter the new password for confirmation purpose in the **Confirm Password**. Enter the user **Full Name**, **E-mail** address, **Phone**, **Mobile**, and **Fax** numbers.

To continue click the next tab. To cancel the operation and go back to the default page, click **Cancel**.



Figure 6-5: Add Local User/ Account

Next, click the **Account** tab (Figure 6-5) to enter the account's particulars. Enter the **Expiration Date** by clicking the **Calendar**  icon and select the required date, from the pop-up calendar.

The date will appear in the following format; dd/mm/yyyy. Place a check in the **Concurrent Logins** check box if you would like to set unlimited number of users who may login to the system at a time, with the same user login name. If you would like to set a certain number of logins simultaneously, then leave the check box empty where a new field will be enabled to enter the required number of logins. Place a check in the **Account Lock** check box, if you want to enable the account locking action and impose some sort of restriction and by this the **Account** will be **Locked**. If you leave the check box empty, so you impose no restriction on the account. The **Account Activation** appears selected or not selected according to your choice of the policy setting of the user's account. This can be obtained from the *Administration/ Policy/ enable account locking option*. To unlock the account, remove the check from inside the box. If you don't want to allow the user to change the password, place a check in the check box **User Can't Change Password**. If you want to allow the user to change the password immediately after the first login, place a check in the check box **User Must Change Password**.

To continue click the next tab. To cancel the operation and go back to the default page, click **Cancel**.

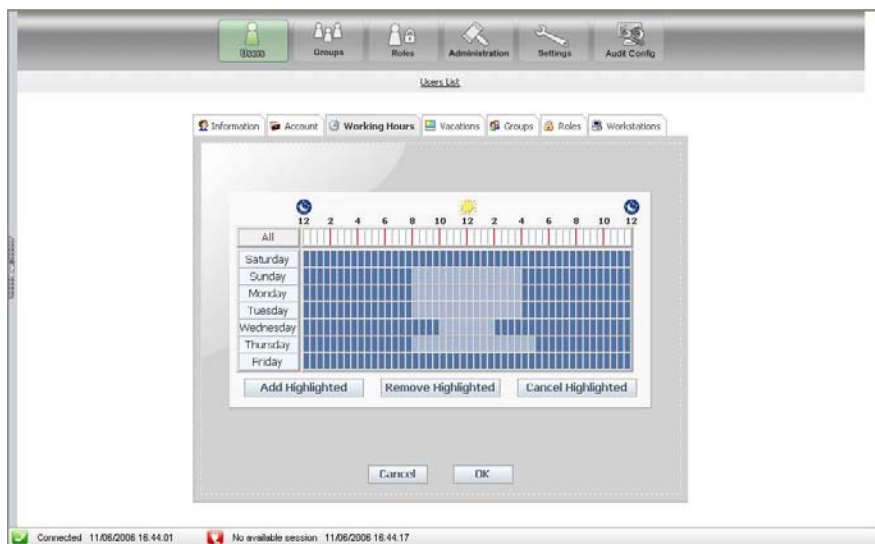


Figure 6-6: Add Local User/ Working Hours

Next, click the **Working Hours** tab (Figure 6-6) to assign the user's working hours per day, for all the working days of the week; mainly, the hours at which the user will have access to the system.

You will notice that the 24 hours of the days of the week are highlighted in dark blue. To start, you need to determine the times during the day during the week in which this user has access to the system. The time will be displayed in a matrix consisting of days as rows and hours as columns. The matrix of squares represents hours per day.

Now highlight the required area; where the user will have access to the system. To do so, click and drag using the mouse to cover all the area of squares required. Click **Add Highlight** to confirm. To remove the highlight, click **Remove Highlight** and to cancel the highlight process, click **Cancel Highlight**.

To continue click the next tab. To cancel the operation and go back to the default page, click **Cancel**.

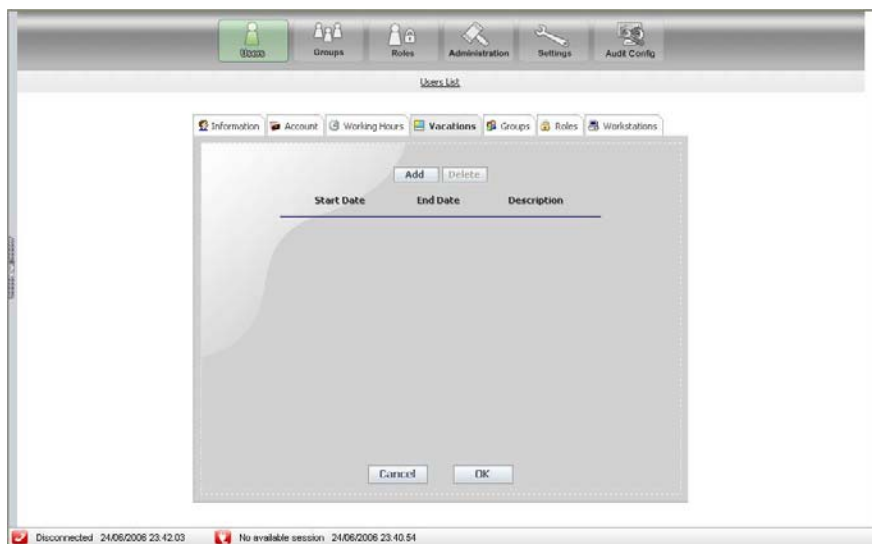


Figure 6-7: Add Local User/ Vacations

Next, click the **Vacations** tab (Figure 6-7) to set the users personal vacations. To start entering the vacations, click **Add** to enable the fields where you are supposed to enter the vacations information (Figure 6-8). Enter the **Vacation Start Date** by clicking the **Calendar**  icon and select the required date from the pop-up calendar. The date will appear in the following format; dd/mm/yyyy. In case of any mistake, click the **Clear** button to blank the field. Repeat the same step for the **Vacation End Date**. Enter the **Description** of the vacation in the field provided and click **OK**. A new line of the vacation will be added to the user's vacations record. Again see (Figure 6-8). To cancel the vacation entry, click **Cancel** next to the **Add** button. To delete a vacation, you need first to click **Cancel** to hide the vacation entry fields and enable the lower part of the page that contains the added vacations. Next, select the check box of the desired vacation and click **Delete**. See (Figure 6-9).

To continue click the next tab. To cancel the operation and go back to the default page, click the button **Cancel**.

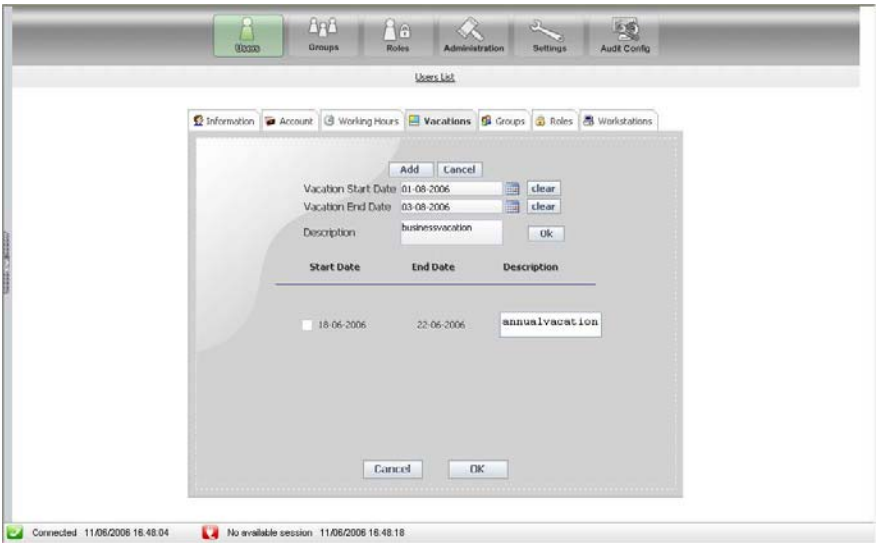


Figure 6-8: Vacations/ Add Vacation

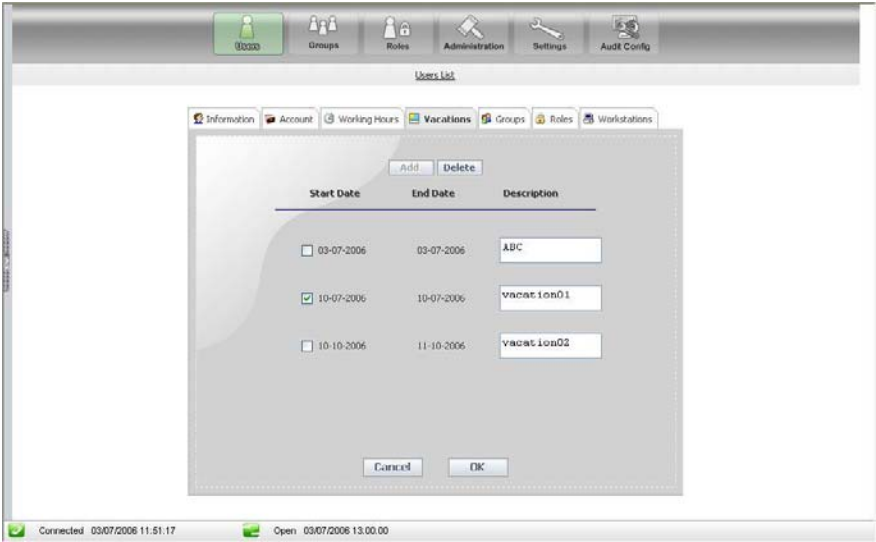


Figure 6-9: Vacations/ Delete Vacation

Next, click the **Groups** tab (Figure 6-10) to select the groups the user will join.

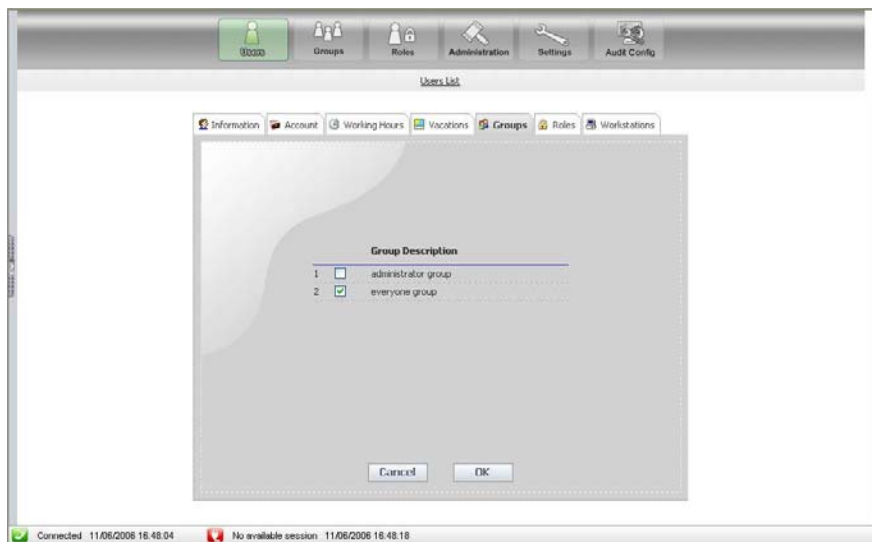


Figure 6-10: Add Local User/ Groups

Select the **Groups** that the user is member in, by placing a check in the appropriate check box(s) available. To continue click the next tab. To cancel the operation and go back to the default page, click **Cancel**.

Note: New created users are added, by default, to the *Everyone* group.

Next, click the **Roles** tab (Figure 6-11) to select role(s) that will be assigned to the user. Select the required role(s) by placing a check in the appropriate check box(s) available. To cancel the operation and go back to the default page, click **Cancel**.

Note: New created users are added, by default, to the *Everyone* role.

Adding new Roles and Groups will be discussed, in detail, in sections; 6-1-2 and 6-1-3.

Next, click the **Workstations** tab (Figure 6-12) to set the workstations/ computers from where the user can access the system. In this tab all the workstations that are connected to the same network will be listed here.

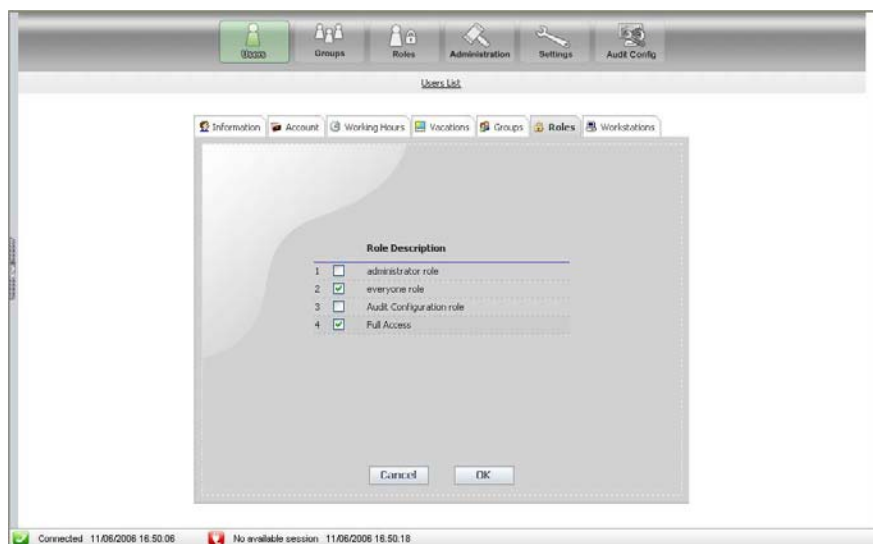


Figure 6-11: Add Local User/ Roles

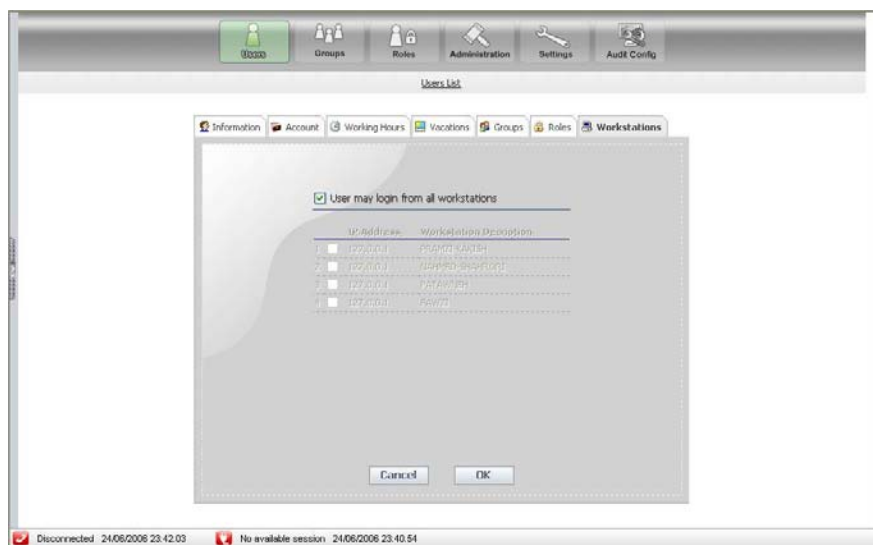


Figure 6-12: Add Local User/ Workstations

Place a check in the check box; **User May Login From All Workstations** if you would like to allow the user to access the system, using his username and password, from all the workstations on the network. Else, leave the check box blank to enable the privileged list of workstations (Figure 6-13) where you can select the required workstations by placing check in the appropriate check box(s).

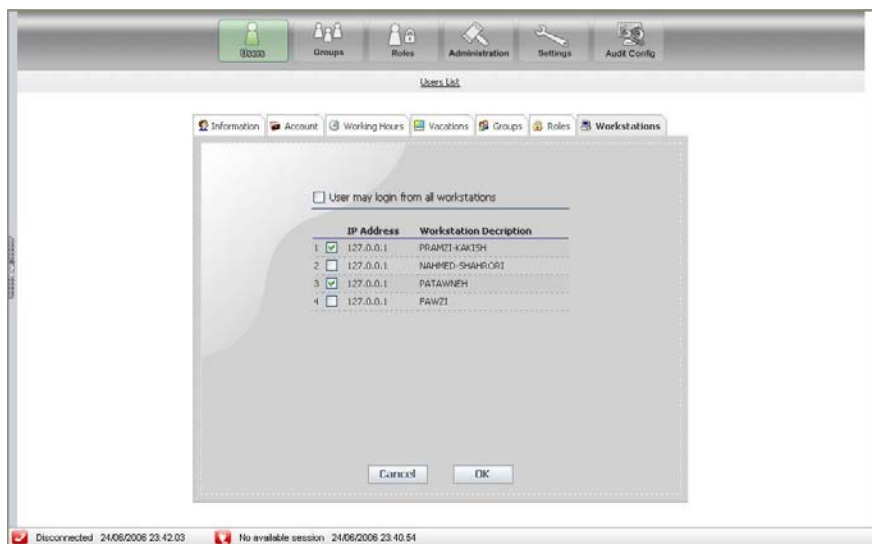


Figure 6-13: Add Local User/ Workstations

Now the new user will be added to the main page of the Users. Click **Users List** to go back to the Users default page (Figure 6-14).

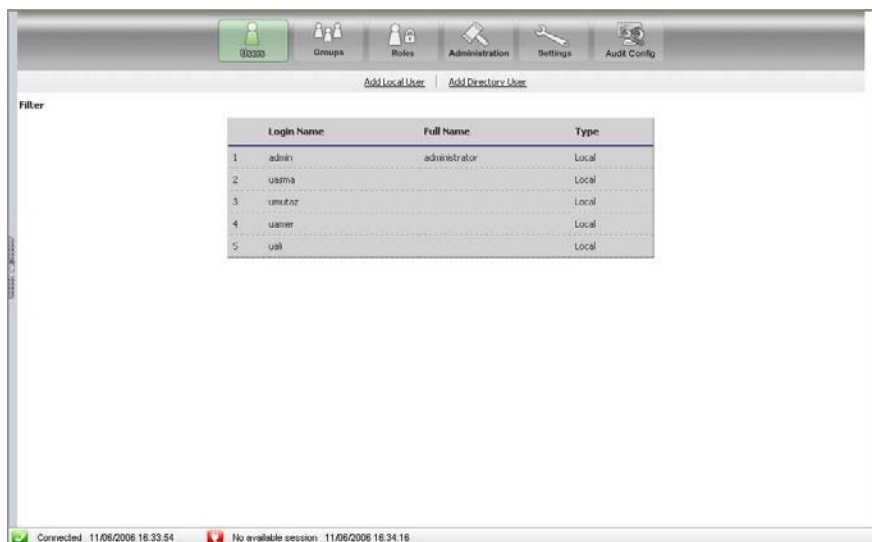


Figure 6-14: Add Local User main page

To add a directory user; click **Add Directory User** to get a list of all users connected to the same domain (Figure 6-15).

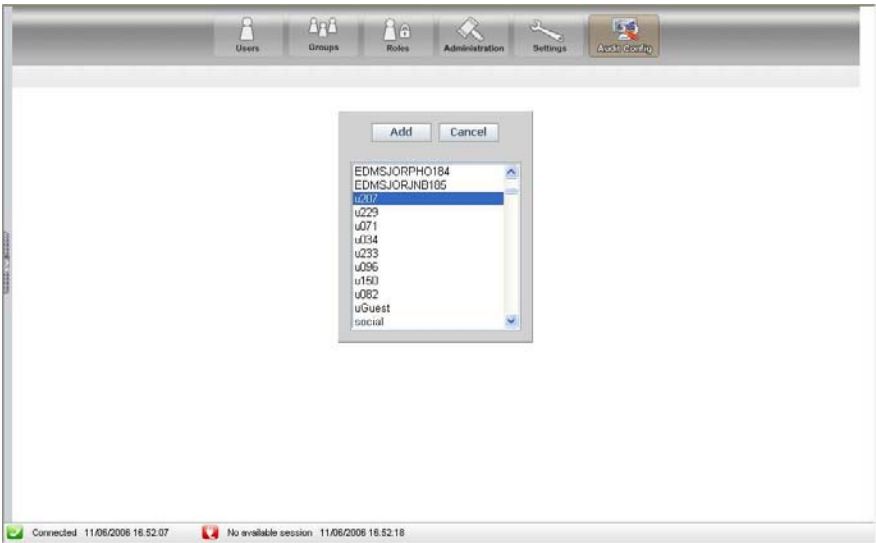


Figure 6-15: Add Directory User/ list of users

Select the required user and click **Add** to get the very same page; of seven tabs, that will take you through the very same procedural steps of adding a new local user (Figure 6-16). Information of the user will be extracted from the directory user profile.

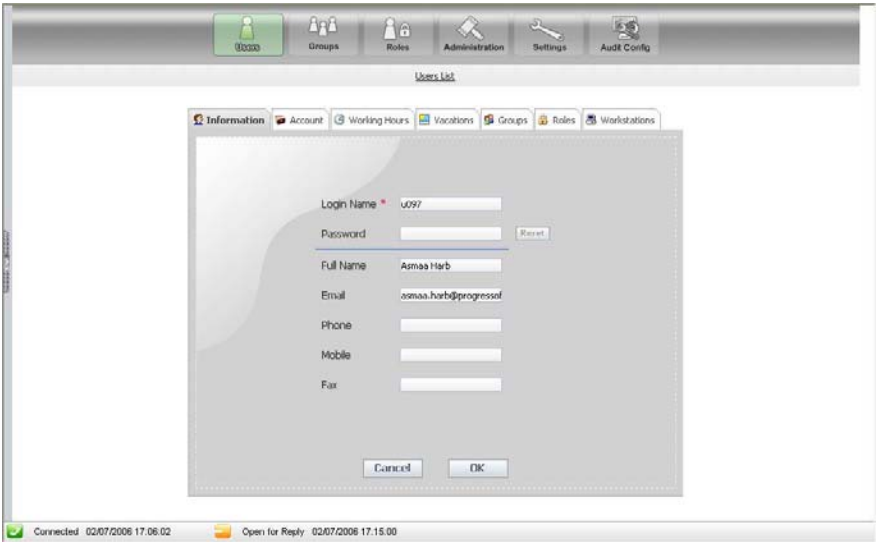


Figure 6-16: Add Directory User/ Users Information

The administrator may edit, view or delete a user by clicking the required user. A list of available functions, applicable to this user will appear to you (Figure 6-17). Select the required option to proceed.

 **Note:** The functions are enabled and disabled according to the status of the user.

- **Edit/ View User:** will take you through the very same tabs of adding new users.
- **Delete User:** will delete the user from the menu and move it to the deleted users' file. You can view the deleted user when you filter the users' menu to the *deleted status*.
- **Restore User:** will return the deleted user to the users menu.
- **Purge User:** will delete the user permanently from the menu.

	Login Name		Full Name	Type
1	Omar		Omar	Local
2	ac		administrator	Local
3	kh			Local
4	u0		Asmaa Harb	Directory
5	ua			Local
6	ua			Local
7	un			Local
8	uamer			Local

Figure 6-17: Users list of options

6-1-2 Groups

Groups are added to the **PS-ECC** system through the **Security/ Administration/ Groups**. A group is a team of users who are assigned same tasks and roles, as a whole at a time. After adding a new group you need to select the users who will join this group.



Click  to start adding new groups and/or view the existing groups (Figure 6-18). And note that you will find the *Administrator* group and *Everyone* group are initially defined with the system early configurations. New users are added to the *Everyone* group, by default, once created. *Administrator* group belongs to the Administrator user, by default.

*Here the administrator may filter the display of all groups added to the system by using the **Filter** function on top of the left corner. Click the **Filter** function and pick the type of groups, you would like to display, from the list. Click **Apply Filter** to display and view the groups you have just filtered.*



Figure 6-18: Groups main page

To start, click **Add Group** to get a new page of two tabs; **Information** and **Group Members**. Enter the **Group Description** in the Information tab (Figure 6-19). Click the **Group Members** tab (Figure 6-20) to select the users who will join this group by placing a check in the check box for each. Click **OK** to save the entries or **Cancel** to go back to the default page.

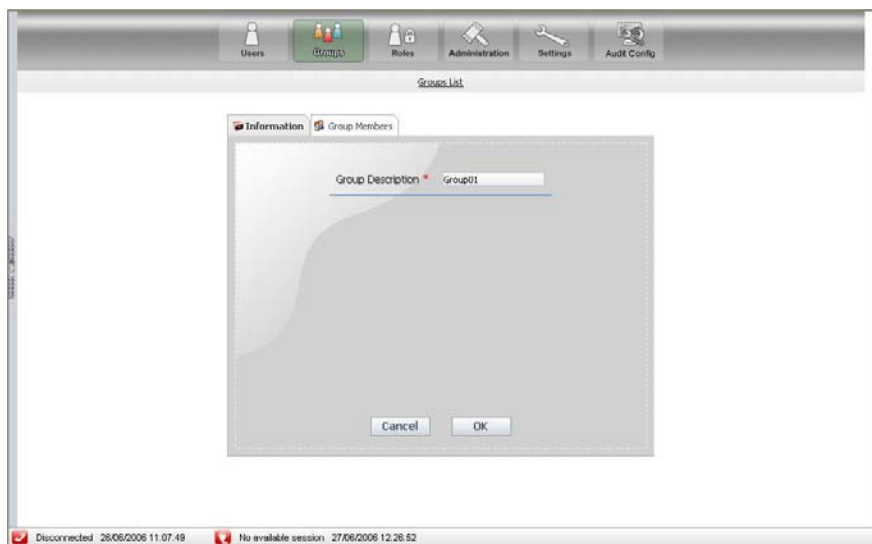


Figure 6-19: Groups/ Information

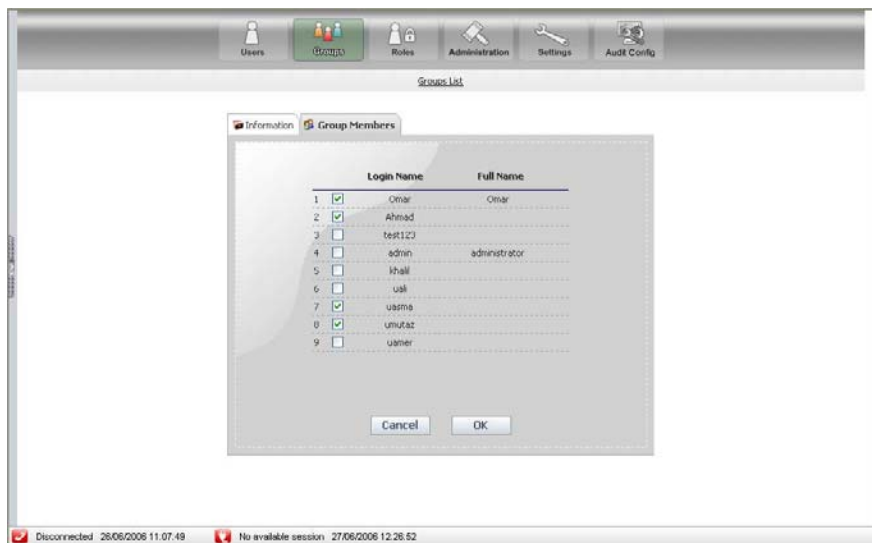


Figure 6-20: Groups/ Group Members

Now the new group will be added to the Groups list. Click **Groups List** to go back to the Groups default page (Figure 6-21).

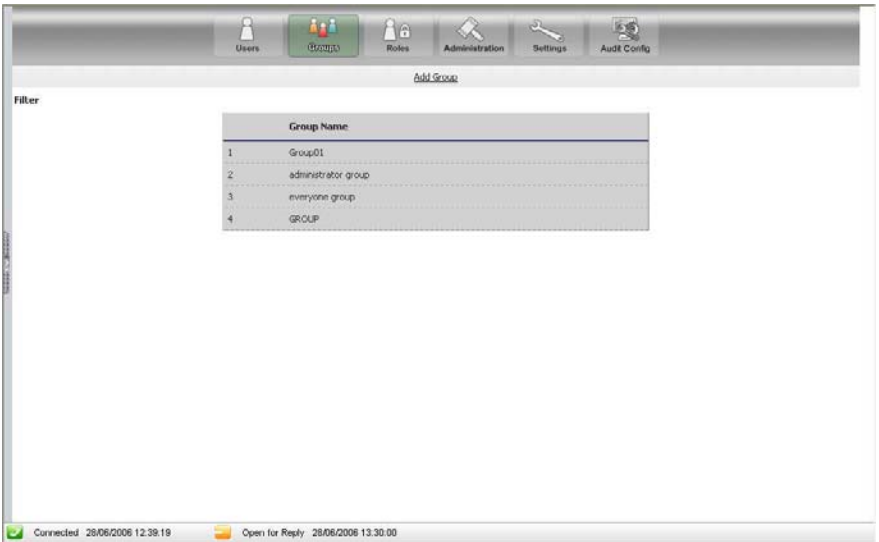


Figure 6-21: Groups list

The administrator may edit, view or delete a group by clicking the required group. A list of available functions, applicable to this group will appear to you (Figure 6-22). Select the required option to proceed.

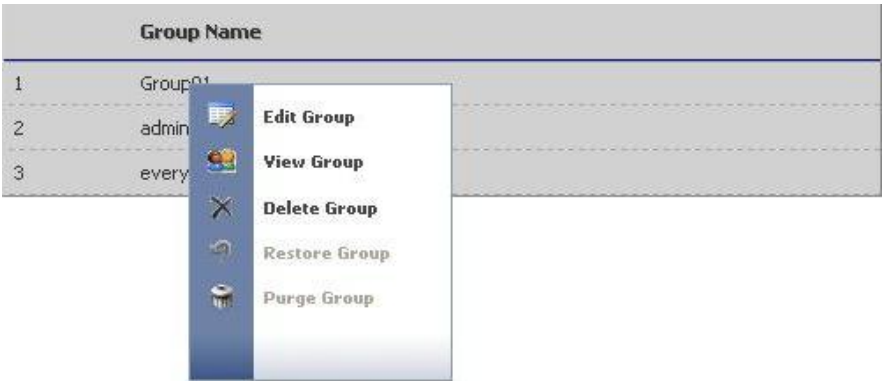


Figure 6-22: Groups list of options

- Note:** The functions are enabled or disabled according to the status of the group.
- Note:** You can't edit or delete *Administrator* and *Everyone* groups.

- **Edit/ View Group:** will take you through the very same tabs of adding new groups.
- **Delete Group:** will delete the group from the menu and move it to the deleted groups' file. You can view the deleted group when you filter the menu to the *deleted status*.
- **Restore Group:** will return the deleted group to the groups' menu.
- **Purge Group:** will delete the group permanently from the groups' menu.

6-1-3 Roles

Roles are added to the **PS-ECC** system through the **Security/ Administration/ Roles**. A role is a group of privileges and functions that are assigned to user(s) as a whole. In other words a role defines the privileges a user or a group of users may require. After adding a new role you need to select the users who will join this role.



Click **Roles** to start adding new roles and/or view the already defined roles (Figure 6-23). And note that you will find the *Administrator* role and the *Everyone* role are initially defined with the system early configurations. New users are added to the *Everyone* role, by default, once created. *Administrator* role belongs to the Administrator user, by default.

*Here the administrator may filter the display of all roles added to the system by using the **Filter** function; top of the left corner. Click the **Filter** and pick the type of roles, you would like to display, from the list. Click **Apply Filter** to display and view the type of roles you have just filtered.*

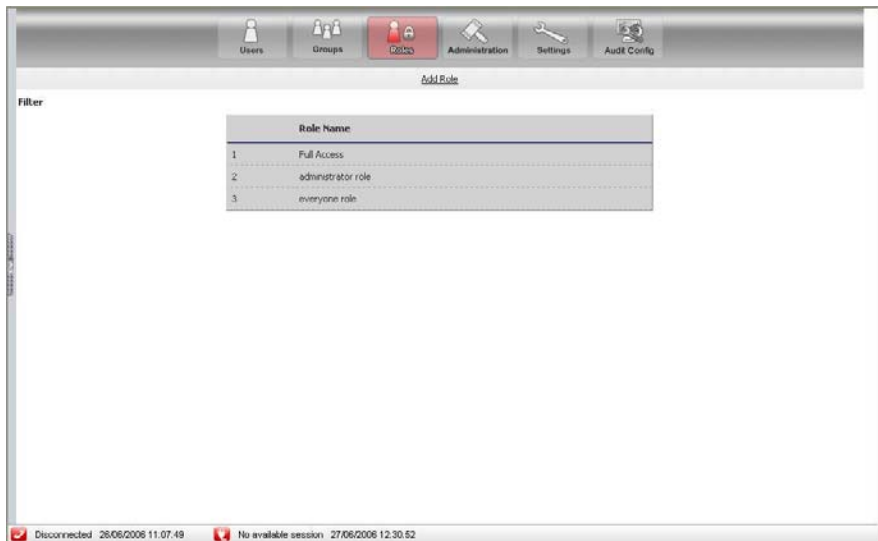


Figure 6-23: Roles main page

To start, click **Add Role** to get a new page of three tabs; **Information**, **Privileges**, and **Role Members**. Enter the **Role Description** in the **Information** tab (Figure 6-24). Click the **Privileges** tab to select the different privileges that will be granted to the user on the main parts of the system; **PS-ECC -Security** and **PS-ECC** (the core) (Figure 6-25). Click (+) of each part to expand the programs inside (Figure 6-26). Place check inside the desired check

box(s). When you select a check box associated with (+) this means that you are selecting the whole privileges inside, and are granting the user full privilege on the function. You may select certain privilege(s) to grant to the user on a specific function, and by this you need to place a check inside the check box(s) of the required function (Figure 6-27).

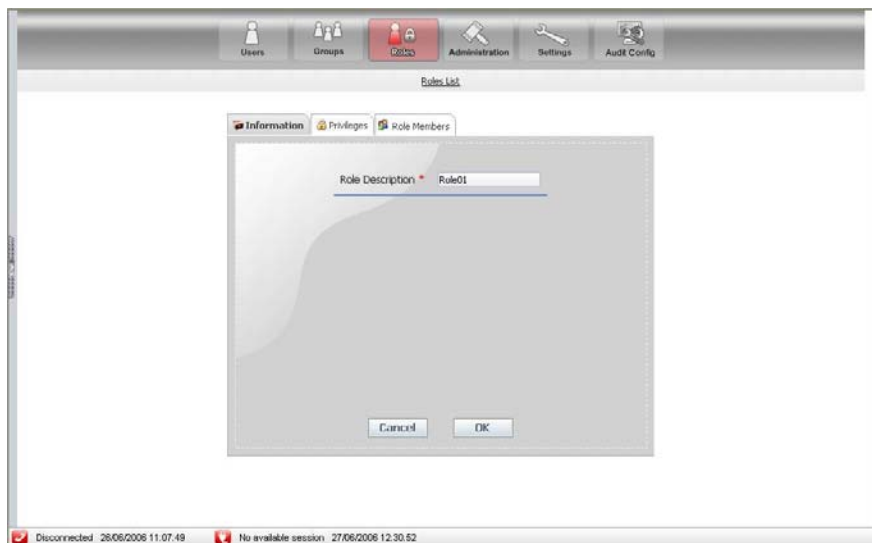


Figure 6-24: Roles/ Information

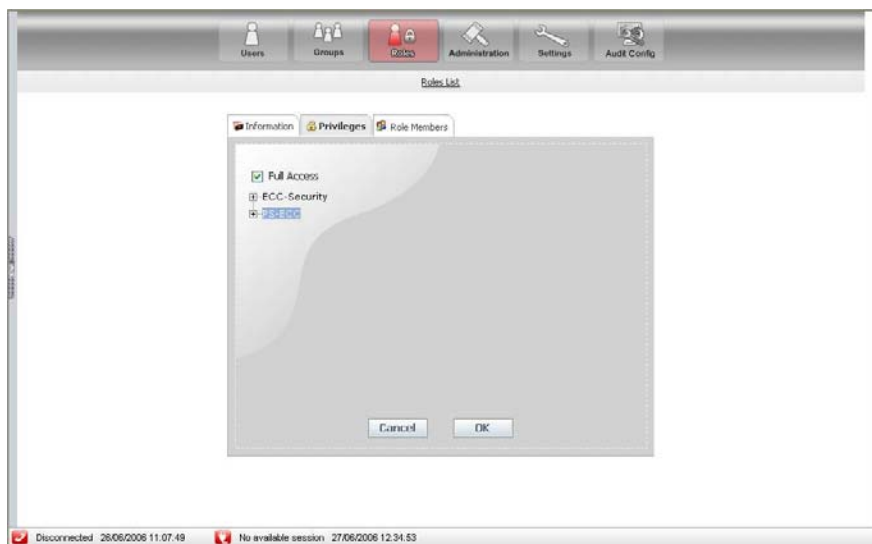


Figure 6-25: Roles/ Privileges

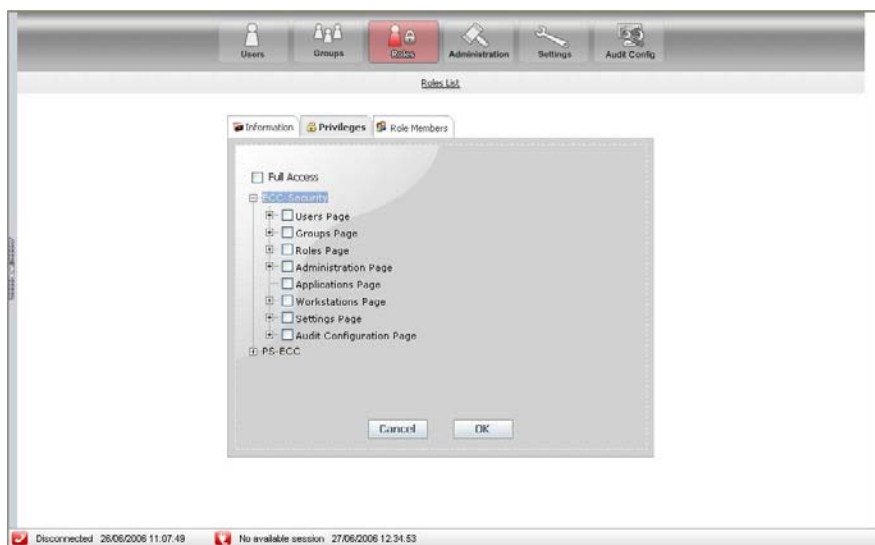


Figure 6-26: Roles/ Privileges

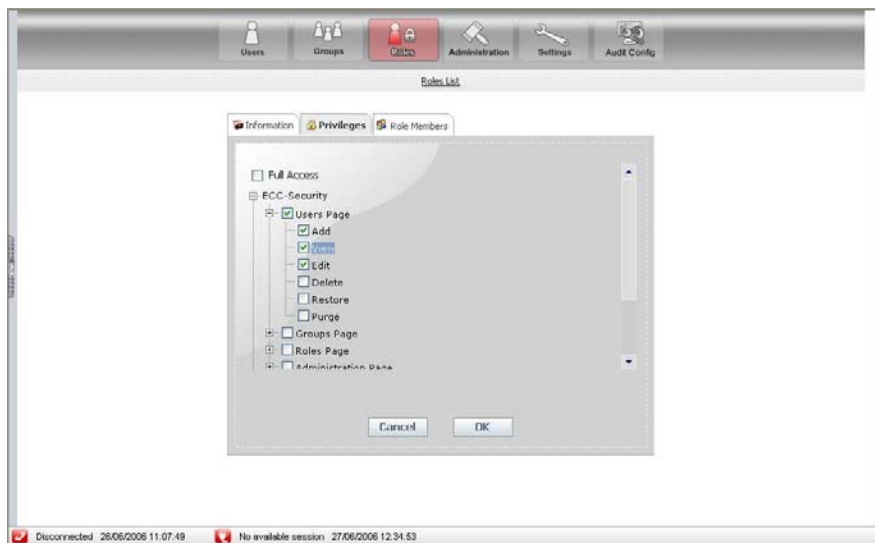


Figure 6-27: Roles/ Privileges

In certain functions of the **PS-ECC** core system you need to set the range of cheques amount **From – To**; that this user is privileged to process in the clearing cycles (Figure 6-28).

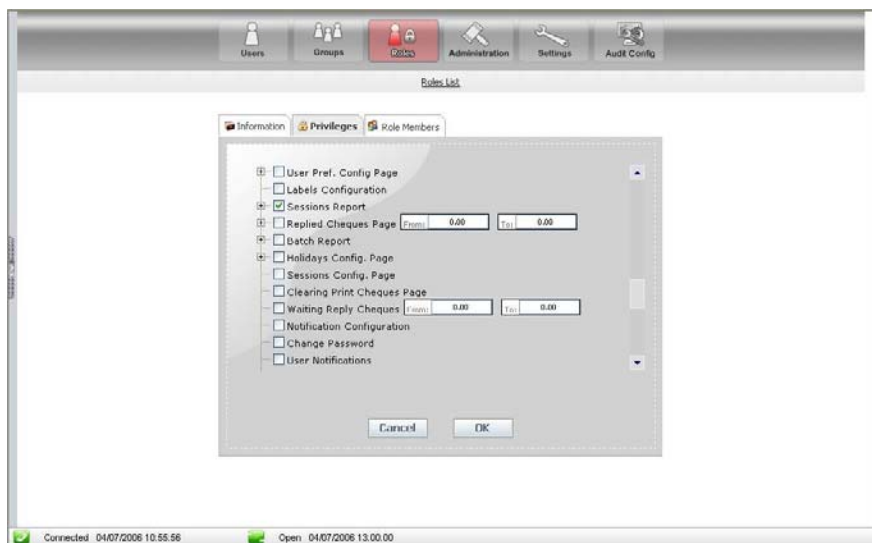


Figure 6-28: Roles/ Privileges

You may grant the user full access to the system by selecting the **Full Access** check box. Click the **Role Members** tab (Figure 6-29) to select the users who will join this role by placing a check inside the check box for each. Click **OK** to save the entries or **Cancel** to go back to the default page.

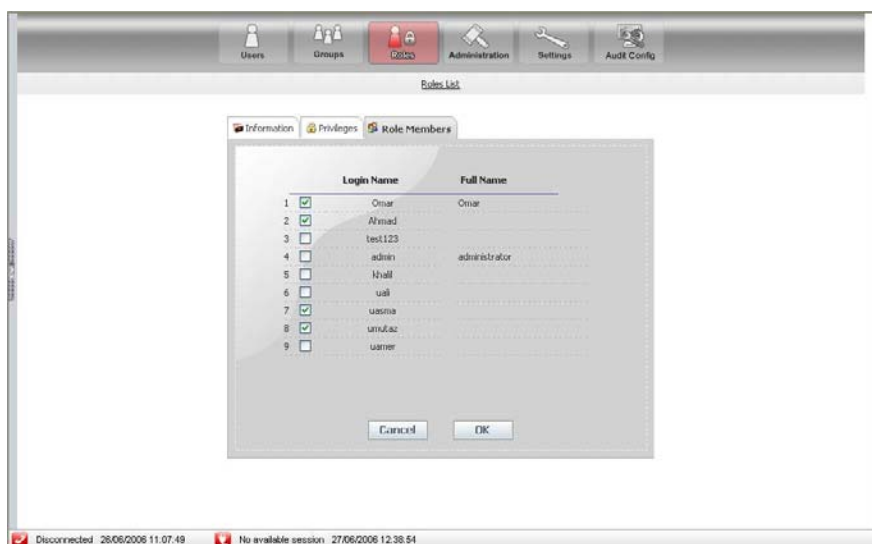


Figure 6-29: Roles/ Role Members

Now the new role will be added to the Roles list. Click **Role List** to go back to the Roles default page (Figure 6-30).



Figure 6-30: Roles list

The user may edit, view or delete a role by clicking the required role. A list of available functions, applicable to this role will appear to you (Figure 6-31). Select the required option to proceed.

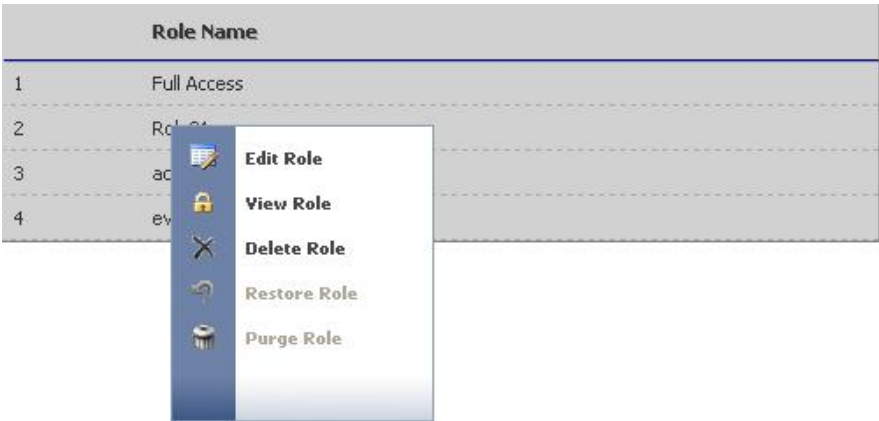


Figure 6-31: Roles/ Roles list of options

 **Note:** The functions are enabled or disabled according to the status of the role.

 **Note:** That you can't delete *Administrator* and *Everyone* roles. You can view *Administrator* role and edit and view *Everyone* role.

- **Edit/ View Role:** will take you through the very same tabs of adding new roles.
- **Delete Role:** will delete the role from the menu and move it to the deleted roles' file. You can view the deleted role when you filter the roles' menu to the *deleted status*.
- **Restore Role:** will return the deleted role to the roles' menu.
- **Purge Role:** will delete the role permanently from the roles' menu.

6-1-4 Administration

The **Administration** of user accounts is the set of rules that control the use of accounts and the accounts' passwords. Certain **Policies** are used when complex password is highly recommended, or when account passwords expire, or when they must be changed after a certain period of time, or when certain accounts have to be locked and what locking duration should be forced. The importance of the Administration function is increasingly aroused when imposing strict security conditions are highly required. **Applications** of the **PS-ECC** system and users' **Workstations** are added to the system from the administration section.



Click **Administration** to start managing the policy of the user's account in a secure manner, and to view the system applications and add the users' workstations. You will get the **Policy** options (Figure 6-32).



Figure 6-32: Administration/ Policy

Minimum Password Age:

1. **Allow Changes Immediately:** This choice allows the user to change the password immediately after the account is set and the user performs the first login. In this case the password has no minimum age limit.
2. **Allow Changes in (...) Days:** This choice specifies a time period in days which gives the user the right to change the password during this time.

Maximum Password Age:

1. **Password Never Expires:** This choice gives an unlimited age to the password.
2. **Password Expires in (...) Days:** This choice specifies the time in days after which the password will expire and will no longer be valid. The user is promoted to change the password of the account after the elapse of the time specified.

Minimum Password Length:

1. **Permit Blank Password:** This option allows the user to set the password to any length, even a blank password can be used here.
2. **At Least (...) Characters:** This option determines the minimum number of characters of the password.

Password Complexity:

Force Complex Password: Selecting this check box constrains the user to enter a complex password that is very difficult to be guessed or stolen, for the purpose of maximizing the security precautions to the highest level. Complex password must contain upper and/or lowercase letters, and non-alphabetical characters such as (!, @, #, \$, etc), and this must be at least eight characters.

Note: If the complex password function is not forced, then the password length must be at least three characters.

Password History:

Keep Last (...) Passwords: This option is to keep a certain number of the user's passwords and save them in the system database.

No Account Locking: This option means that there is no restriction imposed on the account.

Enable Account Locking: This option will enable the locking action on the account and place some sort of restriction. When the user selects this option, the following two choices will be enabled and active.

- **Lock After (...) Bad Logs:** This option will lock the user's account after a certain number of unsuccessful logins.
- **Locking Duration:** This involves two options:
 - **Forever (until admin unlock):** The account will be set to never work again until the system administrator unlocks it.
 - **Duration (...) Minutes:** A time of period can be set in minutes, after which the account will be automatically unlocked by the system.

Click **OK** to save the entries or **Cancel** to go back to the default page.

Click Applications to view the **PS-ECC** applications added to the system (Figure 6-33).

Note: The applications are configured with the **PS-ECC** first installation and early settings and configurations.



Figure 6-33: Applications

The Applications page shows the following information; **Id**, **Application Name**, and **URL**.

Click the **Workstations** to get a new page (Figure 6-34) to add a new workstation (computer). You can add workstations manually and here you need to click **Add Workstation**. You can choose the workstation from a list and here you need to click **Choose From List**.

In **Add Workstations** page (Figure 6-35) enter the **Name** and **Description**; that is the IP address of the computer. Click **OK** to confirm your entry and add the new workstation to the list or **Cancel** to go back to the Administration default page. When deciding to add a workstation from the list (Figure 6-36), select the required workstation and then click **OK** to confirm your entry or **Cancel** to go back to the Administration main page.



Figure 6-34: Workstations



Figure 6-35: Workstations/ Add Workstation



Figure 6-36: Workstations/ choose from list

To move between the items of the Administration page, click the required hyperlink displayed in the active page. For example; when you are in the **Policy** page, you will get two active hyperlinks; **Applications** and **Workstation**. When you are in the **Applications** page you will get two active hyperlinks; **Policy** and **Workstations** and so on.

6-1-5 Settings

The **Settings** function is used to help the administrator set up certain parameters of the system in order to control and dominate over the security functions of the whole system. Defining those settings help in adding and defining directory users and workstations to the system.



Click **Settings** to start entering the values of the system main settings (Figure 6-37).

Entry	Value
Domain Name	PSDOMAIN
Domain Factory	com.sun.jndi.ldap.LdapC
Domain Controller	SOURCE
User Name	uqant
Login Name	sAMAccountName
Full Name	name
Password	password
Email	mail
Sid	objectSid
Authentication Type	simple
Search Domain	OU=ProgressSoft Enterp

At the bottom of the table are two buttons: **Edit** and **Update**.

At the bottom of the window, there is a status bar showing: **Disconnected 28/06/2006 11:07:49** and **No available session 27/06/2006 12:42:54**.

Figure 6-37: Settings

Enter the **Domain Name**; that is the active directory name, **Domain Controller**; is the server that responds to security authentication requests (logging in, checking permissions, etc.) within the Windows Server domain. Enter the **User Name**; the authorized user who has privilege to list all users and LDAP resources, **Login Name** and **Full Name** of the authorized user, **Password** granted to this user, **E-mail** address pertaining to him.

And note that the **Domain Factory**, **Sid**, **Authentication Type**, and **Search Domain** are search query entries that are configured with the system to retrieve users from active directory.

Click **Update** to save and confirm the entries. Click **Cancel** to cancel the entries. To edit any of the fields, click **Edit** and enter your changes. Again click **Update** to save the changes or **Cancel** to cancel them.

6-1-6 Audit Configuration

The **Audit Configuration** function is designed for the purpose of imposing continuous tracking on the user's access to the system and monitoring his work throughout the system (the part he has been allowed privileges on).

Click  to start selecting the check boxes of the required functions (Figure 6-38).

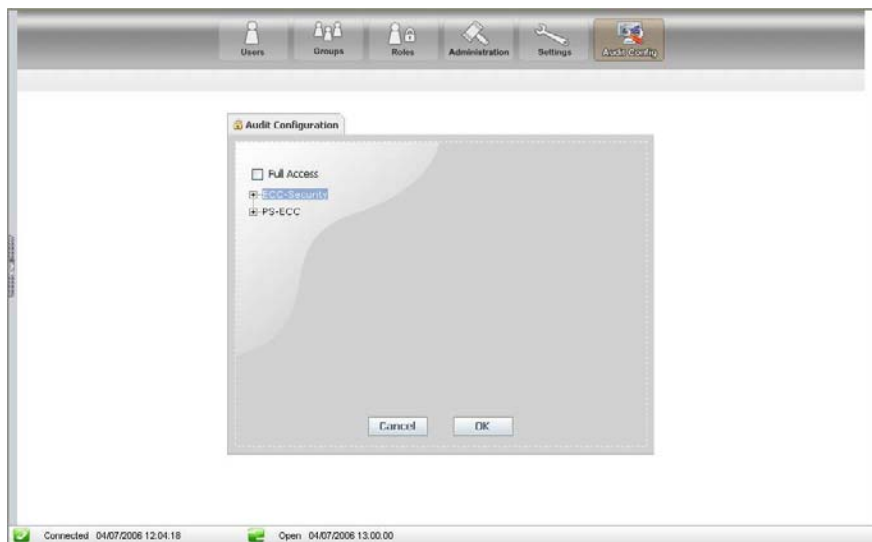


Figure 6-38: *Audit Configuration*

The system main parts; **ECC Security** and **PS-ECC** are displayed in form of tree menus that are expanded once you click (+) associated with the system part.

You can impose full auditing on the whole system functions by selecting the **Full Access** check box. Or you may select certain functions by expanding each menu and placing check in the check box(es) of the required functions.

Click **OK** to save the entries or **Cancel** to cancel them.

6-2 Audit Logs

The **Audit Logs** function (Figure 6-39) is designed to view users' logins and operations taking place in the system during a certain period of time.

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The screenshot shows a web application window titled "Reports | Audit Logs Report". In the top right corner, the user is identified as "ADMIN". The main content area is titled "Audit Logs". It features two input fields for dates: "From Date" set to "01/09/2007" and "Date To" set to "19/09/2007", each with a calendar icon. To the right, there are two dropdown menus: "Users" set to "All Users" and "Row Count" set to "All Logs". Below these are three buttons: "Generate", "Print", and "Clear". The bottom of the window has a status bar with two messages: "Connected 17/09/2007" and "No available session 17/09/2007".

Figure 6-39: Audit Logs

Enter the **Date From –To** by clicking the **Calendar**  icon to select the required dates. Select the **User** name from the drop-down list or you can choose to generate an audit log for all users. Select the **Row Count**, which is the number of rows you wish to display in a page, from the drop-down list. Click **Generate** to display the log records (Figure 6-40). As you can see the following information are generated and displayed: **Audit Date, User, Operation;** (delete, view, edit, update, etc.) **Workstation IP Address** and **Description**.

To blank the entry fields, click **Clear**. To print out the logs in form of hard copies, click **Print**.

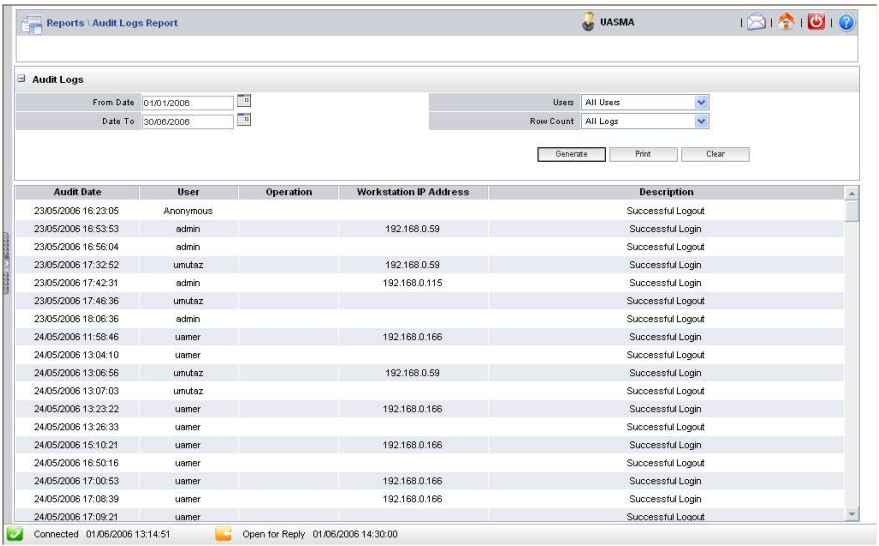


Figure 6-40: Audit Logs results

6-3 Log Management

The **Log Management** function (Figure 6-41) is designed to enable the user Export/ Import log files for archiving and retrieving purposes.

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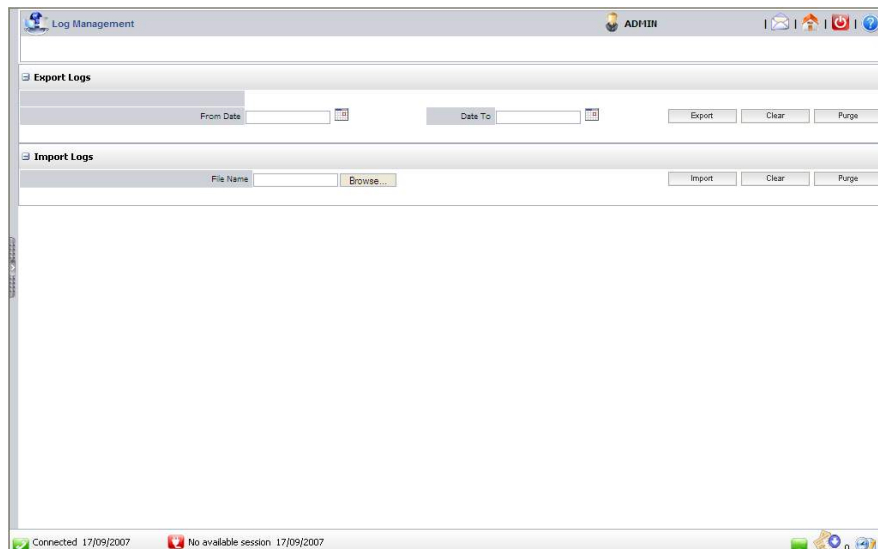


Figure 6-41: Log Management

Users may wish to keep archiving records of the system auditing logs for a certain period of time and here they need to *Export* the logs into XML files. Also, a user may wish to retrieve the logs for a certain period of time, and here he needs to *Import* the XML files again into the system

To **Export Logs**, select the **Date From –To** from the available calendar and click **Export** to convert the logs into XML files. You will get a **File Download** dialogue box that offers you three options, whether to *open* the file, *save* it or *cancel* the process. See (Figure 6-42). Click the required one to proceed. If you click the first option, you will get the file opened in XML format (Figure 6-43). You can also save the file in XML format by clicking the second option. To cancel the export process, click the third option. Now back to the Log Management page, to blank the entry fields, click **Clear**. To delete the logs permanently, click **Purge**.

To **Import Logs**, click **Browse** and select the XML **File Name** and click **Import**. When you are completely done, a pop-up message will appear to you; “*Import Was Successfully Done*” informing you about the successful status of the

operation. To blank the entry fields, click **Clear**. To delete the logs permanently, click **Purge**.

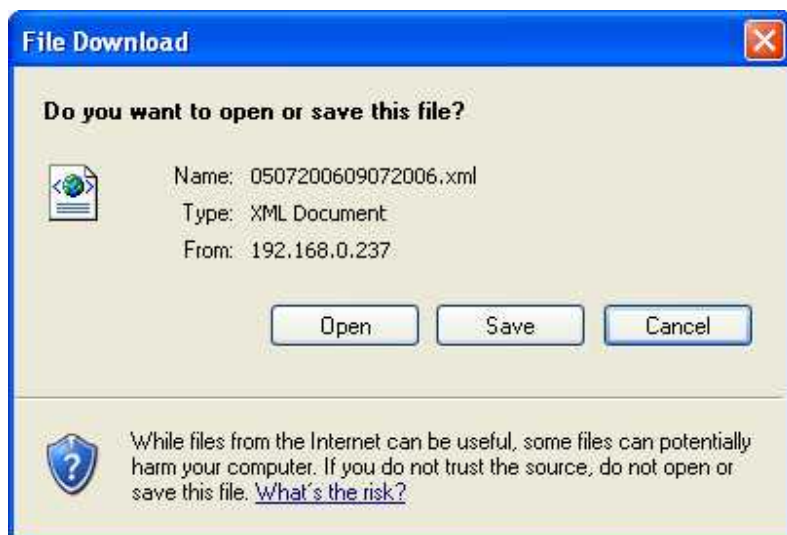


Figure 6-42: File Download



Figure 6-43: The Log File in XML Format

6-4 User Information

The **User Information** function (Figure 6-44) is designed to enable the user to generate a report of users' information.

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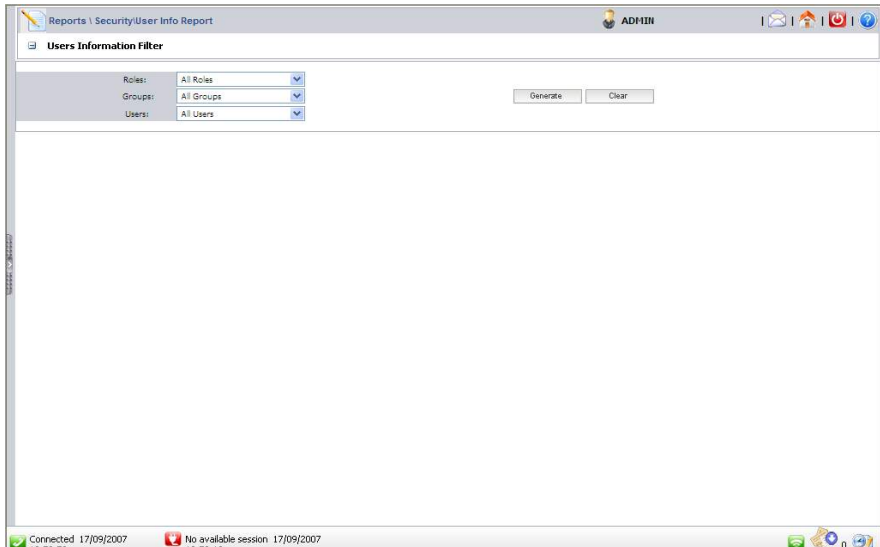


Figure 6-44: User Information

In the **User Information Filter**, select the **Roles**, **Groups**, and **Users** from the available drop-down lists.

Click **Generate** to retrieve and display the following information about each user: **User Login**, **User Name**, **E-mail**, **Fax**, **Phone** and **Mobile** (Figure 6-45).

To empty the fields, click **Clear**.

Reports - Security/User Info Report

UASMA

Users Information Filter

User Login	User Name	E-Mail	Fax	Phone	Mobile
uall			0303	12	079
uasma					
admin	administrator	not_realy@hotmail.com	5258013	5655967	0777755224
umunix					
uowner					
Omar	Omar	Omar@PS.com	66666666	075070070	66666666
khail					
Ahmad					

Connected 02/07/2006 16:36:52

Open 02/07/2006 16:30:00

Figure 6-45: User Information report

6-5 ACL Management

ACL stands for *Access Control List*. **ACL Management** function (Figure 6-46) enables the administrator to grant privileges to users on certain branch(s), in order to view and access cheques that belong to this branch(s). The administrator may allow users of certain branch privileges to view and access cheques of it.

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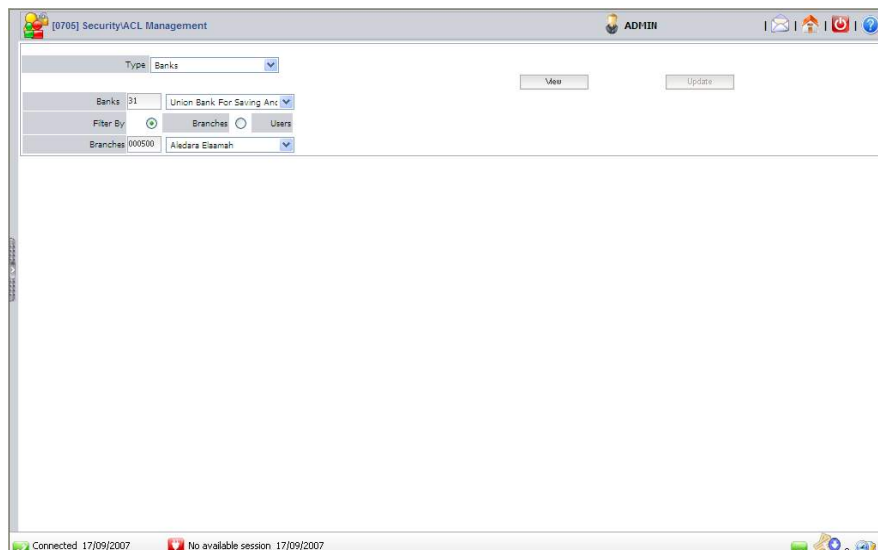


Figure 6-46: ACL Management

Users of the system can not view or access cheques if they are not privileged on the BFD or the Pay banks' branches that have the processed cheque(s). The administrator should define the ACL for each user according to the branch they work for.

To start, select the **Type** and the **Bank** from the drop-down list of each. **Filter** the variables by which you will display the lists; by **Users** (Figure 6-47) and then select the user from the available list or by **Branches** (Figure 6-48) and then select the branch from the available list. Click **View** to display users of a certain branch that will be granted privileges to view processed cheques at this branch. Or to display branches a user will be granted privileges to view its cheques.

Let's put it in examples: branch X users should not view and access branch Y cheques, or branch Z, and the same rule for branch Y and Z. On the other hand; the administrator at the Head Office may need to give the user, who works at the

Head Office, privilege to view and access cheques for all branches upon daily work needs and requirements.

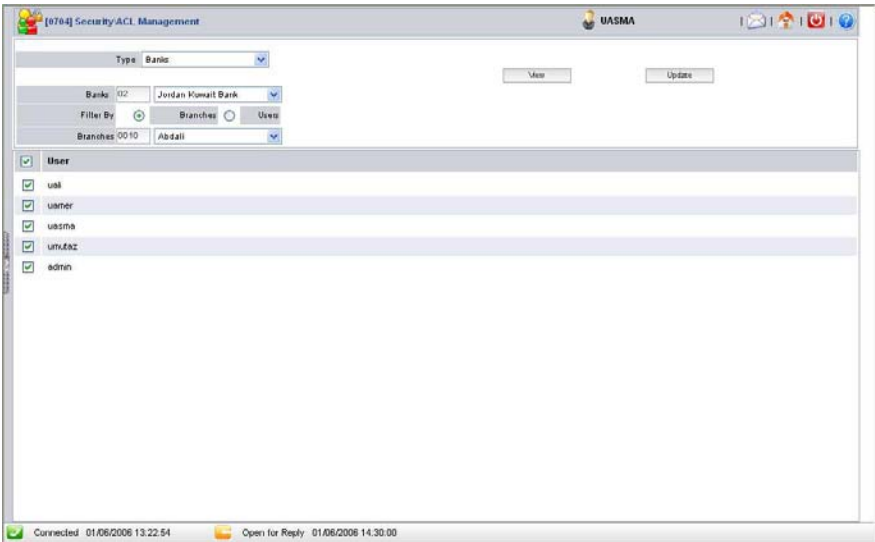


Figure 6-47: By Users

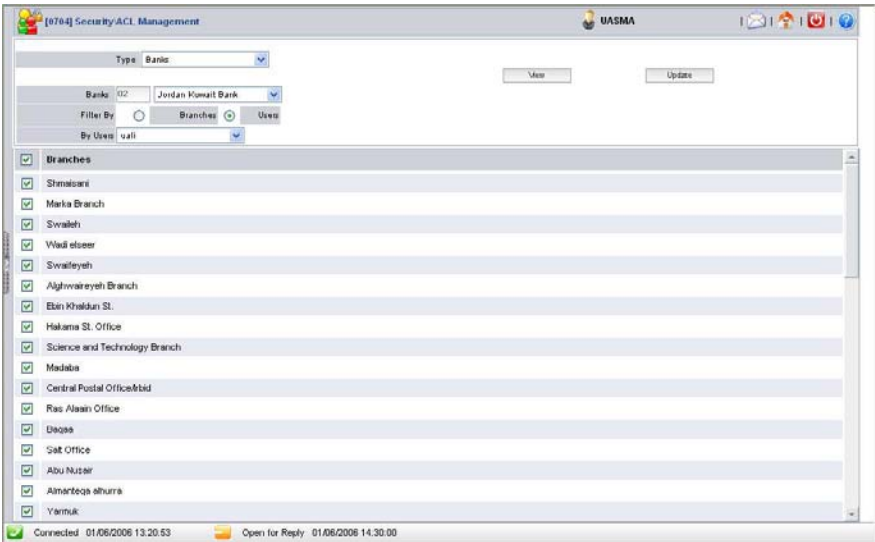


Figure 6-48: By Branches

6-6 Log Out

In order to exit the **PS-ECC** system you must log out of the system in a legal manner by using the **Logout** function of the security system menu. Or you can use the **Logout**  icon that is found on the upper right side in all pages of the system.

 **Important Note:** The user must log out legally before exiting the system; otherwise he will be counted as a logged user having an open session and this may cause to locking cheques and batches.

APPENDIX 1

FREQUENTLY ASKED QUESTIONS

1. What's Cheque Clearing?

Cheque clearing is simply the process of manipulating paper cheques deposited into customer accounts in a financial institution and drawn on accounts in another financial institution that is different from the one the cheque was deposited at.

2. What's the Electronic Cheque Clearing (PS-ECC) system?

PS-ECC system is the process of capturing the cheque image (Front & Back), manipulating the cheque, and then sending it to the Pay Bank through the communication lines between the BFD, ECCU (Central Bank), and the Pay Bank

3. What's the breakthrough that PS-ECC has brought to the banking sector?

The breakthrough that the PS-ECC has brought to the banking sector is time, money, and effort saving, especially regarding the reducing of the time needed to move the cheques from the BFD Bank to the Pay Bank.

4. What distinguish the manual cheque clearing from the electronic cheque clearing?

1. Dealing with the cheque's image instead of the physical cheque.
2. Transforming the cheque's image via the communication lines instead of the traditional transformation means.

5. What's the benefit of PS-ECC?

1. Saving time, cost, and money.
2. Truncating the risk; lose, forgery, and stealing, that may face cheques carriers during the daily transference from place to another.

6. How many parts are supposed to be involved in the clearing process?

Three parts are supposed to be involved in the electronic clearing process, and theses parts are:

1. **BFD Bank:** Bank of First Deposit (the beneficiary bank).
2. **ECCU:** ECC Unit; at which the automatic clearing process will be held instead of clearing the cheques manually at the clearing room within the predefined clearing session.
3. **Pay Bank:** The bank on which the cheque is drawn and paid.

7. What are the procedures that a teller should validate before scanning the cheque?

1. Tellers should validate the clearance of the scanned image.
2. Tellers should validate that the MICR information has been read correctly.
3. Tellers should validate that the drawer signature is existed.
4. Tellers should validate that the beneficiary signature is existed.

8. What are the fields that a scanner user has to fill in when creating a new batch from the scan page?

1. BFD Bank
2. BFD Branch
3. BFD Account Number
4. Reference Number
5. Batch Amount
6. Total Count
7. The urgency level of the cheque
8. The type of the cheque (Normal, or postdated)

9. What can a user do if the scanner couldn't read the cheque MICR line properly?

We can either edit the MICR information, or delete the cheque and rescan it.

10. Will the amount of the cheque be filled automatically when we scan the cheque?

NO!

11. Does the scanner read the cheque information when we scan this cheque?

The scanner reads the MICR information only, but it doesn't read the customer name, the amount, and the date of the cheque.

12. What is the actual time needed for the presented cheque to reach the Pay Bank?

Maximum 2 minutes.

13. How can the technical clearing user make sure that a cheque signature is correct?

By referring to the banking system that holds the signature of the account holder.

14. What's the Early Item?

This function is used to display the cheques that were presented to the Paying bank after the end of the Clearing session that was held one day before (yesterday), to ensure that they will be treated with higher priority.

15. What should a user do if the connection line disconnected?

1. If the connection between the branch and the commercial bank Head Office disconnected and the user couldn't see the system; thus it's the responsibility of the commercial bank to handle the problem.
2. If the connection between the commercial bank Head Office and the ECCU disconnected, the system administrator can detect the disconnection from the line monitor page, and it's the responsibility of both (the HO & the ECCU) to fix the problem.

16. Who will handle the cheques in the Quality Assurance page?

Business managers (Branch Manager, Head of Outward Clearing department)

17. Who will handle the cheques in the Scan page?

Tellers

18. After sending the cheques inside the batch to the Pay Bank, can we cancel this operation in order to return the cheque to the QA or to the Repairing?

No we can't.

19. From where can we delete a batch?

Batch can be deleted from three pages, Scan, Data Entry and Repair.

20. Does the Pay Bank receive the cheques in batches or separated as single cheques?

No! The Pay Bank receives the cheques; separated.

21. At the Pay Bank; can we view the return reasons that the user at the previous clearing page has added to the cheque?

Yes; of course we can view the last return reason that has been added on the cheque by pressing a button "Old Reason".

22. When does the Central Bank execute an Auto-Reply?

The Central Bank replies on the cheque automatically when the reply time elapses any yet no reply has come from the Pay Bank

23. What are we going to do with the physical cheque that we receive from clients? Shall we return it to the client once we scanned it? Or we have to wait until we receive the reply from the Pay Bank then we return the cheque (either accepted or rejected) to the client?

All presented cheques will be stored at the BFD Bank (as recommended by the CBJ), except the rejected cheques that are going to be returned to the client.

-
- 24. If we forgot to insert a cheque, during scanning, in a batch that is already created and has all cheques ready, how can we insert this cheque in the batch?**

We can add a cheque into an existing batch if the batch hasn't been uploaded yet to the data entry or to the quality assurance; by using the *Add New Cheque* tool.

- 25. What will happen if we tried to send a cheque after the end of the session? Will the system reply automatically that you cannot send the cheque? Or the system will keep the cheque BFD Request Export until the next day's session becomes active?**

The system will reply automatically that the cheque is rejected with the return reason "No Available Session".

- 26. What are the responsibilities of each user (each role) at the bank? And what are the pages they are expected to have privileges on?**

There are two types of users who will use the system:

1. **Administrators:** System Administrators, Business Managers.
2. **End Users:** Tellers.

- 27. How many times the system is permitting the user to send the cheque to the Pay Bank?**

The cheque can be sent to the Pay Bank just for two times; as it will be rejected automatically from the Central Bank if we tried to present it for the third time.

- 28. Is there any constraint on sending the cheque to the Pay Bank if the amount is less than a certain amount?**

There is only one constraint; that we can't send a cheque with a Zero amount.

- 29. What kinds of slips are printed to the client, and when we are supposed to do so?**

The client is supposed to receive two kinds of slips:

- a. **Deposit Slip:** This slip contains the batch information, and the number of cheques we have received from the client. And this slip proves that we received the cheques.
- b. **Return Slip:** This slip contains the returned rejected cheques information and images.

- 30. Does the system perform any automatic auditing on the cheque information; that has been entered by the user, to make sure if they are identical with the information on the cheque image?**

The system, itself, doesn't audit any information of the cheque, also it doesn't compare between the cheque's information and the cheque's image. It only reads the MICR information and shows the user if there is any missing data.

31. Do we need to structure new changes to the daily work procedures of the bank when we operate the PS-ECC at the bank?

The decision of changing a certain bank's work procedures is based on the bank's policy and the load of work at the bank or the branch.

32. If the cheque was received in but rejected due to some missed data of the cheque image (for example: the drawer signature isn't existed on the cheque), how can we correct the cheque and send it again to the Pay Bank?

The rejected cheque has to be sent to the repair page in order to take the needed correction actions.

33. Does the system notify the user on urgent cheques, or any new cheques?

Yes, the system notifies the user on any urgent cheque according to the notification settings.

34. If any error has been occurred after sending the cheque to the Pay Bank, how can we roll-back the operation?

We can't rollback the sending operation.

APPENDIX 2

ICONS USE

ICON	DESCRIPTION
 Home Page	Wherever you are it takes you to the home page of the system.
 Logout	Logs the user out of the system in a legal manner.
 Help	Provides the user with on-line help about each function of the system.
 Notification	Notifies the user on the arrival of new cheque.
 Cheque Back	Displays the back of the cheque image.
 Cheque Face	Again displays the front of the cheque image.
 Rotation Left	Rotate the cheque image 90 degrees to the left.
 Rotation Right	Rotates the cheque image 90 degrees to the right.
 Flip Horizontal	Flips the cheque image horizontally to display it from its backside as if it was transparent and flipped across its vertical axis.
 Flip Vertical	Flips the cheque image vertically to display it from its backside as if it was transparent and flipped across its vertical axis.
 Fit Width	Increases the width of the cheque image to fit to the size of the window.
 Fit Height	Increases the height of the image to fit to the height of the window.
 Fit Size	Viewing the whole image by activating this function that will re-display the image. For fast zooming, the scan function includes percent zoom factor ranging from 5% to 400%.
 Zoom In	Increases the image size to get a closer view of the image.
 Zoom Out	Decreases the image size to get a distant away view of the image.



Image Analyze

Enhances the clearness of the cheque image to the max., and removes any blots or defects.



Less Brightness

Reduces the brightness of the cheque image.



More Brightness

Enhances the brightness of the cheque image by increasing it.



Reset

Returns the image to its normal size.



Find

Executes the search criteria according to the entered value.



Clear

Empty the entry fields in order to enter new values.



Approve

Accepts batches or cheques to continue in the next stage of the clearing process.



Reject

Refuses batches or cheques according to the stage they are in.



Next

Shows next batch, cheque, or any other item in the list.



Previous

Shows previous batch, cheque, or any other item in the list.



Print

Prints out cheques images and information, each on separate page.



Print Slip

Prints a slip that includes batch information and all cheques inside it and to which banks the cheques are going.



Print Cheques

Prints a list of scanned cheques and detailed information about each.



Reply

Checks the status of batches outward from the BFD banks; waiting for reply, accepted, or rejected.



Resend

Resends rejected cheques; mainly for financial reason, from the master database to resume in the clearing cycle.



Transaction

Displays all transactions of the mentioned cheque.



Update

Saves the updated information of batches and cheques.

**Related Cheques**

Displays all related cheques that belong to the same account number.

**Repair**

Sends the cheque to the repair page to fix the errors.

**Delete**

Deletes the selected item.

**Edit Cheque**

Edits information of the cheque, and it is used by the pay banks in the inward clearing process. The user may edit the cheque serial number, pay branch and pay account number.

**Folder up**

Moves up to a higher level; the batch level and in certain cases the cheques list.

**Forward**

Forwards the cheque to another user to decide upon it when the owner user is not sure what proper action should be taken regarding the cheque.

**Create Batch**

Creates a new batch.

**Configuration**

Configures the scanner set-up.

**Add New Cheque**

Adds a new cheque to a batch that is created and already has all the scanned cheques inside it.

**Upload**

Uploads a batch and all cheques inside it after the scanning stage.

**Upload All Batches**

Uploads all batches, and all cheques inside, in the scanning process at once.

**Save**

In case auto save function is not set from the Scanner configuration you can use this icon to save data.

APPENDIX 3

0	Accepted	Active
1	Unavailable funds	Active
2	Not sufficient funds	Active
3	Closed Account	Active
4	Missing / Old date	Active
5	Amount in words and figures differs	Active
6	Irregular signature(s)	Active
7	Missing signature(s)	Active
8	First endorsement missing	Active
9	Irregular endorsement sequence	Active
10	Last endorsement missing	Active
11	Alteration requires drawers signature	Active
12	Check currency	Active
13	Check cannot be endorsed	Active
14	Not drawn on us	Active
15	Supporting documents not attached	Active
16	Missing stamps, insufficient stamps	Active
17	Check reported as lost	Active
18	Court order not to pay check	Active
19	Check is not MICR encoded	Active
20	Finger-print witness missing	Active
21	Account number doesn't belong to drawer	Active
22	Drawer bankruptcy	Active
23	Stop pay order	Active
24	Difference between check image and data	Active
25	Insurance check	Active
26	Currency not present in words	Active
27	Missing endorsement	Active
28	Difference between MICR and check amount	Active
29	missing bfd stamp	Active
989	No available session	Active
990	Presented On Same Session	Active
991	Duplicate Cheque	Active

992	System Old dated	Active
993	Suspended Bank	Active
994	Unreachable Destination	Active
995	Transaction Time Out	Active
996	Different Bfd RSN	Active
997	Session reply time closed	Active
998	Check already paid	Active
999	Exceed re-presentment count	Active

APPENDIX 4

Parameter Name	Parameter Section	Parameter Value(s)	Parameter Description
The following parameters are targeted to set codes of the Return Reasons that will be replied to automatically from the ECCU; as the defined code in this page must equals the defined code in the Return Reasons Page:			
AlreadyPayed	CenGlobalParams	998	This parameter refers to the code of the return reason "The cheque is already paid". And if you want to change the code of this reason from the Return Reasons page then you have to change the parameter's value.
OldDatedRsn	SysGlobalParams	992	This parameter refers to the code of the return reason "Old dated cheque". And if you want to change the code of this reason from the Return Reasons page then you have to change the parameter's value.
SameSessionPrsntRsn	SysGlobalParams	990	This parameter refers to the code of the return reason "The same session presentment". And if you want to change the code of this reason from the Return Reasons page then you have to change the parameter's value.
CheckSameSessionPrsnt	CenGlobalParams	0	0: Don't check, 1: Check (For example: if the parameter's value is 1 this means that the system will not allow the user to present the cheque twice in the same clearing session).
CheckDifferentBFD	CenGlobalParams	0	The parameter value is set to 0 if you want to prevent presenting the cheque again from a different bank. But if you want to allow this type of transactions then you can set the value to 1.
SuspendedBankRsn	CenGlobalParams	993	When the bank is suspended from the Central Bank due to a certain financial reason, then the ECCU will reply automatically with a return reason "Suspended bank" or "The bank is suspended". So this return reason must be defined in the Return Reasons page first. After that, you have to refer to this reason here in order to let the ECCU reply with the correct reason.
DifferentBFDRsn	CenGlobalParams	996	This parameter refers to the code of the return reason "The cheque has been presented before from a different bank".
DuplicateChequeRsn	SysGlobalParams	991	In the Scan page, there is a validation rule which prevents duplication of the entered cheques. This will never allow the user to rescan the cheque and upload it again. And if the user tries to, the system will prompt the message "Duplicate cheque MICR".
NoSessionRsn	SysGlobalParams	989	This parameter refers to the code of the system return reason "No available session".
StopPayOrder	CenGlobalParams	17	Refers to the return reason code "Stopped cheque or the Cheque is stopped".
TransactionTimeoutRsn	CenGlobalParams	0	If the Pay bank didn't send a reply to the cheque before the end of the session, then the Central Bank would reply automatically confirming that the cheque is rejected (if the value is 0), or that this cheque is accepted (if the value is 1).
UnReachableDestRsn	CenGlobalParams	994	This parameter refers to the code of the return reason "Unreachable destination". The ECCU will reply that the cheque is accepted or rejected (based on the previous parameter value) due to some problems in the Pay bank connection. The causes of this reason are: Pay bank is disconnected, or the Pay bank URL is not defined correctly.
BadPresCycle	CenGlobalParams	999	This parameter refers to the code of the return reason "Bad presentment cycle". The ECCU will reply that the cheque is rejected because it has exceeded the maximum no. of presentment cycles (attempts).
Time Global Parameters:			
TimeDiffCheckPoint	TimeGlobalParams	0	This parameter refers to the time difference between the ECCU and the commercial banks (0: means that there is no time difference, and there is real time synchronization).
PreviousTimeDifference	TimeGlobalParams	0	This parameter refers to the time difference between the ECCU and all banks (in seconds). The parameter value 0 means that there is no difference.
CurrentTimeDifference	TimeGlobalParams	0	This parameter refers to the time difference between ECCU and all banks (in seconds). The parameter value 0 means that there is no difference.
The following parameters are targeted to set lengths of the entry fields; (such as: the length of the bank code, branch code, account no., and			

amount).			
BranchCodeLength	CenGlobalParams	4	This refers to the Central Bank parameter; as the central bank can define the length of the branch code based on the country's policy.
PayAccountNumberLength	CenGlobalParams	16	This parameter defines the length of the account number (its length in Jordan = 16 digits).
BatchAmountLength	CenGlobalParams	15	This parameter defines the length of the amount field.
ChequeAmountLength	CenGlobalParams	12	The length of the cheque amount differs from one country to another based on the MICR format.
ChequeSerialLength	CenGlobalParams	6	The parameter defines the length of the serial number; (digits of the serial number).
BankCodeLength	CenGlobalParams	2	This parameter defines the length of the bank code (digits of the bank code).
The following parameters are targeted to configure the settings related to the Clearing session in order to define its closing time; the request closing time, the end of the grace period, and the closing time of the extended session, in case it has been extended ...etc			
AutoExtendType	CenGlobalParams	0	This parameter refers to the Auto Extend type. If the value = 1 this means that the system will extend the presenting time and the reply time. If the value = 2 this means that the system will extend the reply time only.
AutoExtendPeriod	CenGlobalParams	1	This parameter refers to the no. of days the daily session will extend to, incase you enabled the <i>Auto Extend</i> option from the sessions configuration page.
AutoRepDelayTime	CenGlobalParams	0	This parameter refers to the delay time (in minutes) the ECCU will spend in sending the auto reply. When the value = 0; then there is no delay in the auto reply action.
ReplyGracePeriod	CenGlobalParams	5	This parameter refers to the no. of minutes defined as a last chance to reply to the cheques.
RegularChequesReplyPeriod	CenGlobalParams	150	This parameter refers to the expected period needed to reply to the regular cheques. This period is defined in minutes from the ECCU.
SRequestGracePeriod	CenGlobalParams	5	This parameter refers to the no. of minutes defined as a last chance to present the cheque or to submit the request.
SsnExtLastWorkingDay	CenGlobalParams	01/01/1970 00:00:00	The last date and time for the clearing session that has been extended by the users at the Central Clearing Unit.
SsnExtNextDate	CenGlobalParams	19/04/2007 17:00:00	When selecting the Auto Extend option, then you have to define the extension period (the end of the session or the cut of time for the next clearing day) by setting this parameter.
SsnExtExecTime	CenGlobalParams	17:00:00	This parameter refers to the time when the extension of a session ends.
SsnExtMakeWorkingDay	CenGlobalParams	0	The purpose of this parameter is to enable or to disable the extension of the clearing session (0 = disable, 1= enable).
SsnExtIsWorkingDay	CenGlobalParams	0	Useless (not functional).
InsEarlySsnPeriod	CenGlobalParams	10	This parameter is set in response to the PROMPT CHECK in the UAE. This defines the maximum no. of sessions to be opened in advance (per day). And it becomes active when you set the parameter (PromptCheckType) to 1.
RequestGracePeriod	CenGlobalParams	30	This parameter refers to the no. of minutes defined as a last chance to present the cheque or to submit the request.
SRequestGracePeriodBank	CenGlobalParams	0	Useless (not functional).
The following parameters must be defined by the Central Bank based on the governmental policies and the Central Bank policies. After defining the values of these parameters, you can setup the roles that will be applied on all the commercial banks.			
BlackList	CenGlobalParams	0	When this parameter value = 0 this means that the Black List option is not active.
CenBnkCode	CenGlobalParams	0	This parameter refers to the code of the Electronic Cheque Clearing Unit (ECCU).
MaxPresCycle	CenGlobalParams	3	This parameter refers to the maximum no. of presentment cycles. In case of exceeding the predefined maximum no., the ECCU will automatically reject the cheque without sending it to the Pay bank.
AutoUpdBrnchUrg	CenGlobalParams	0	This parameter is set to enable/disable the batch urgency level in all the pages. Since 0 = disable the urgency level and 1= enable the urgency level.
ChequeAgeType	CenGlobalParams	2	1 refers to Days and 2 refers to Months.

CentralReject	CenGlobalParams	1	This parameter refers to the behavior of the ECCU regarding the auto reply. In other words; if you want to enable the ECCU auto reply, then you can set this parameter value to 1, so that the ECCU will automatically reject the cheques under certain circumstances.
EnableResendRepair	CenGlobalParams	0	To enable the Resend and Repair buttons, set this parameter value to 1. To disable the buttons set the parameter value to 0.
EnableUrgentAutoReply	CenGlobalParams	0	The purpose of this parameter is to enable/ disable the auto reply from the system to the urgent cheques. To enable auto reply, set the parameter to 1, and to disable it set the parameter to 0.
EnvTestFlg	CenGlobalParams	0	A flag refers to the status of the system; if it is under testing (the value = 1), or it is on the production environment (the value = 0). This parameter is set for the PROMPT CHECK of the UAE; since it is very important to identify the cheque you are sending to the Central Bank for testing purposes.
HideStatusBar	CenGlobalParams	1	To view the status bar set the parameter to 1, and to hide the status bar set the parameter to 0.
BankCode	MicrInfo	3,3,1,999	This parameter describes the format and length of the bank code in the MICR line. The bank code format and length vary from one country to another.
BranchCode	MicrInfo	3,3,1,999	This parameter describes the format and length of the branch code in the MICR line. The branch code format and length vary from one country to another.
MicrStructure	MicrInfo	^<(\d{1,6})< s?(\d{1,2})=?(\\d{1,4})\s*((?:\d \\s =){1,16})<(?:\s?;(\\d{0,11});)?\s*\$	This parameter defines the MICR structure; since any change in this structure will cause a different reading of the MICR information.
AccountNo	MicrInfo	1,18,1,99999999999999999999	Useless (not functional).
ChequeSerialNo	MicrInfo	6,13,1,99999999999999999999	Useless (not functional).
Amount	MicrInfo	3,11,1,000,99999999999999999999	Useless (not functional).

The Central Web Services Path and the Bank Web Services Path:

CentralWebServicePath	NETCommParams	/ECCCentralServices/CentralWebSvc.aspx	This parameter refers to the path of the web services (where it is located on the server). So you have to make sure that the path is written correctly after finishing the installation (deployment).
BankWebServicePath	NETCommParams	/ECCBankServices/BankWebSvc.aspx	This parameter defines the path of the web services (in other words; where the web services are located).
immediateDSU	NETCommParams	1	This parameter refers to the Immediate Reply (Automatic Reply) when the destination is unreachable. To enable this net communication parameter set the value to 1, and to disable it set the value to 0.

The following parameters are targeted for the Postdated Cheques:

PostdatedSchdl	SysGlobalParams	0101200001000	The post dated cheques schedule is updated automatically from the ECCU by the system services.
NextPostdatedStatus	SysGlobalParams	1050	This parameter refers to the status of the postdated cheques when the due date comes.
IntegratPostdated	SysGlobalParams	0	This parameter indicates if it is required to add an integration record when postdated cheques are due.
EarlyChequesSchdl	SysGlobalParams	0101200004000	The value of this parameter is supposed to be updated automatically by the system services in order to show the exact date of the early items. (Usually; the date of the early item is the next clearing day).

The Following parameters are targeted to adjust the Scan page settings; each commercial bank can adjust these settings according to its own rules and according to its own rules and working procedures:

uploadIncompleteChq	SysGlobalParams	1	This parameter enables the user to allow or deny the Upload button incase there are some missing data in the cheque. (1 to enable the Upload button and 0 to disable the Upload button).
UploadBalancedAmount	SysGlobalParams	0	0 = Not allowed to upload, 1= Allow to upload
UploadBalancedCount	SysGlobalParams	0	The purpose of this parameter is to enable or to disable the upload operation from the scan page when there is no match between the Actual Count and the Total Count, (0 = Do not allow the upload , 1 = Allow the upload).
uploadBlankMICR	SysGlobalParams	1	1 = allow uploading a blank MICR, 0 = deny uploading a blank MICR.
enableMICREdit	SysGlobalParams	1	1 = enable the Edit button, 0 = disable the Edit button.

AllowBatchChequeExtraInfo	SysGlobalParams	1	This parameter can be adjusted to view the extra information in the scan page (cheque note, drawee name and batch extra information). 1 is to enable viewing extra information, and 2 is to disable viewing extra information.
ExportAcceptedCheques	SysGlobalParams	0	The purpose of this parameter is to enable/disable exporting the accepted cheques at the inward stage. And it is more useful for the PROMPT CHECK in the UAE.
showSingleScan	SysGlobalParams	0	This parameter is to enable the Single Scan button in the Scan page that allows the user to create batches that contain single cheques. To enable the single scan set the value to 1, and to disable it set the value to 0.

The following parameters must be defined to satisfy the bank's needs; such as: defining the default values and the default system settings (Default Language, and Default Currency):

MinDaysToKeepImages	ArchiveParams	30	This parameter refers to the minimum period (in days) to keep the images of the processed cheques in the online database. Hence after the elapse of this period the cheques images will be moved to the offline database through the archiving utility.
WeekEnd	SysGlobalParams	FRI,SAT	To define the weekend of the country; you have to write the first 3 letters of the day. (For example: FRI, SAT, SUN,...etc).
EnableMenuCnts	SysGlobalParams	0	If the value of this parameter = 1, this means that the no. of cheques in each page will be shown in the main menu. But if its value is set to 0, then this means that the no. of cheques in each page will never appear in the main menu.
KeepInMasterPeriod	SysGlobalParams	1	This refers to the no. of days allowed to retain the cheque in the master Database. Also this implies that when you accept a batch from the replied batches, the cheques inside this batch will never move to the history database until the Keep-in-master period ends.
ActivateAclFilter	SysGlobalParams	1	The purpose of this parameter is to enable the filter option in the ACL page (Filter by users or Filter by branch). 1= enable filter by users and 0 = disable filter by users.
DefSysCurrency	SysGlobalParams	400	If the default system currency = 400; this means that the system will show only the available sessions for the JD on the Status Bar.
DelLogoutUserInterval	SysGlobalParams	600	This parameter is supposed to delete the user's session after the predefined period has passed. Useless (not functional).
LogoutUserInterval	SysGlobalParams	180	This parameter refers to the length of the user session. In other words; the user session will end, and the user will be logged out after the predefined no. of seconds elapses, (for example: 180 seconds).
DefBnkCode	SysGlobalParams	0	In case of having a bank that is owned by another bank (for example: Philadelphia bank is owned by JNB), so the owner bank code is to be defined here. For example if you wish to set the owner bank code of your bank to 02; this means that your bank is owned by JNB... etc.
EccDatabaseLocalVersion	SysGlobalParams	4.15.7.4	This parameter refers to the ECC database version, and it will be reflected in the Home page.
PromptCheckType	SysGlobalParams	1	The purpose of this parameter is to define the type of settlement, whether it is Prompt Settlement or Prompt Cheque. 1: if the bank is Prompt Settlement, 2: if the bank is Prompt Cheque.
BfdAccountNumberLength	SysGlobalParams	16	The maximum length of the account number.
DefSysLang	SysGlobalParams	1	1= English, 2 = Arabic.
AccountMask	SysGlobalParams	000-00000-00-00-0000	Useless (not functional).
AllowInHouse	SysGlobalParams	1	The purpose of this parameter is to enable the In-House clearing set the value to 1, and to disable the in-house clearing set the value to 0. Also it is important to mention that enabling the In-House clearing requires a Hash Function.

The following parameters are targeted to control the behavior of the system services:

UrgentRetrySleep	SysGlobalParams	3	This parameter refers to the maximum no. of retries allowed for sending the urgent cheque from the BFD bank to the Pay bank. In case of exceeding the maximum no. of retries without being able to send the cheque to the Pay bank, the ECCU will reply confirming that this cheque is rejected due to the reason "Unreachable Destination".
NotifyForwardRead	SysGlobalParams	1	This parameter is set to notify the users of any forwarded cheques to their accounts; however this service is not available yet.
NotifyForwardUnRead	SysGlobalParams	1	This parameter can be set to 1 if you want to notify the users of any forwarded cheques to their accounts; however this service is not available yet.

NtfyFrwrUnReadTimeout U	SysGlobalParams	00:01	This parameter is not active yet, as it is supposed to be enabled when a complete Notification system is integrated. In other words; this parameter is set to notify the user of any new forwarded urgent cheque. But this service is not available yet.
NtfyFrwrUnReadTimeout R	SysGlobalParams	00:01	This parameter is not active yet, as it is supposed to be enabled when a complete Notification system is provided in the future versions. In other words; this parameter is set to notify the user of any new forwarded regular cheque. (It's the same like the urgent cheque notification message!!)
FrwrUserClearPeriod	SysGlobalParams	30	This parameter refers to the period of locking the forwarded cheque. After this period the cheque will be released automatically.
IntegrateReplies	SysGlobalParams	0	Useless (not functional).
MaxRetries	SysGlobalParams	50	This parameter refers to the maximum no. of retries the communication services will attempt to send the cheque from one site (server) to another. After exceeding the maximum no. of attempts without being able to deliver the cheque, the result will be "Communication Failed".
HeartFailure	SysGlobalParams	1	It is highly important to set this parameter value to 0 or 2. If it has been set to 1; then this indicates that the services are not working properly (especially; the broadcasting services and the sessions services). The value 0 = Online, 1 = offline, 2 = initial value.
HeartBeatPeriod	SysGlobalParams	10	This parameter refers to the no. of minutes to check out the connection between the App. Server and the DB Server. For example, if the parameter value is set to 10 then the Heart Beat service will become active every 10 minutes and it will check up the connectivity.
UpperRetryPeriod	SysGlobalParams	8	Useless (not functional).
SvcHeartBeatPeriod	SysGlobalParams	15	This refers to the no. of minutes that the system will wait before refreshing the Services icon on the Status Bar. (In other words; the system will refresh the Services icon every 15 minutes, 16 Minutes, 17 Minutes... etc).
BroadCastFlag	SysGlobalParams	1	0 = Don't broadcast, 1 = Broadcast
ImageCheckStatus	SysGlobalParams	1050	The Status of the cheque full image (both of the front image and back image are available).
IntegrateRequests	SysGlobalParams	0	Useless (not functional).
UrgentExpectedPeriod	SysGlobalParams	5	Useless (not functional).
UrgentRetryCount	SysGlobalParams	3	This parameter refers to the no. of maximum retries (attempts) the system services are not to exceed when sending urgent cheques. The system services can send the urgent cheques for 3 times before receiving the system auto reply "Unreachable destination".
MaxRtryCnt	SysGlobalParams	5	This parameter refers to the maximum no. of retries (attempts) the services will attempt to send a cheque or to change the status of the cheque.
ReadPeriod	SysGlobalParams	1	Useless (not functional).
LastHeartBeat	SysGlobalParams	1904200714373 5	This parameter refers to the last date and time of checking the connection between the application server and the database server.
MergeRegularUrgencies	SysGlobalParams	1	This parameter is set to enable merging different urgencies and to treat them as one urgency level (set the value to 1), or to disable merging different urgencies (set the value to 0).
NcpDate	SysGlobalParams	05-SEP-07	This parameter defines the date of the Net Clearing Position (NCP) that will be sent to the RTGS.
NcpFileID	SysGlobalParams	2	This parameter defines the File ID of the Net Clearing Position (NCP) that will be sent to the RTGS.

JASPER REPORTS

PS-ECC reporting system provides its users with the ability to generate different reports and display the information related to the cheques in their different statuses. Users can usually generate reports after selecting the filtering criteria which will limit the report results to their desires. In addition, users can print the reports and have hard copies of the info included in them.

The following are the ***Jasper Reports*** menu items (Figure 1):

- Presented Cheques By Branch
- Presented Cheques By bank
- Returned Cheques By Branch
- Returned Cheques By Bank
- System Returned Cheques By Branch
- System Returned Cheques By Bank
- Report for Not Presented Cheques
- Destination Unreachable Cheques By Branch
- Destination Unreachable Cheques By Bank
- Pending Cheques by Branch
- Pending Cheques by bank
- Received Cheques By Branch
- Received Cheques By Bank
- Rejected Cheques By Branch
- Rejected Cheques By Bank
- System Accepted Rejected Cheques By Branch
- System Accepted Rejected Cheques By Bank
- System Accepted Rejected Cheques By Reason
- Net Clearing Position
- Presented and Rejected Cheques
- Received and Returned Cheques
- Cheques Processing Status
- Suspended Banks
- Report For Reconciliation

To start working and selecting the required report, select the **Jasper Reports** from the *Reports* menu so that a list of the available reports will be displayed (Figure-1).



Figure 1: Jasper Reports

1. Presented Cheques By Branch

Menu: Reports/ Jasper Reports/ Presented Cheques By Branch

Purpose: This report is generated to display the info pertaining to the cheques presented to the Pay bank; cheques in this report are filtered according to their BFD bank branches.

This page (Figure 6-2) is displayed when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web application window titled "[0109] Outward/ Jasper Reports". The user is logged in as "ADMIN". The main form is titled "Report Presented Cheques By Branch". It contains the following fields and controls:

- Report Code:** 1010
- From Date:** 11/09/2007 (with a calendar icon)
- To Date:** 11/09/2007 (with a calendar icon)
- Undefined (branch_name):** All (dropdown menu)
- Currency:** All (dropdown menu)
- Report Type:** pdf (dropdown menu)
- Buttons:** Generate, Clear, Back

At the bottom of the window, there is a status bar showing "Connected 06/09/2007 11:05:35" and "Open 29/08/2007 23:00:00".

Figure 6-2: Reports/ Presented Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques info) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their bank branches or currencies.

When being done with selecting the filtering criteria, click on **Generate** to display the report's results which will match the selected criteria; click on **Clear** if you wish to empty the fields; click on **Back** should you wish to return to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-3). Thus, you can not perform any action on the report's information but you can print the report and get a hard copy of it.

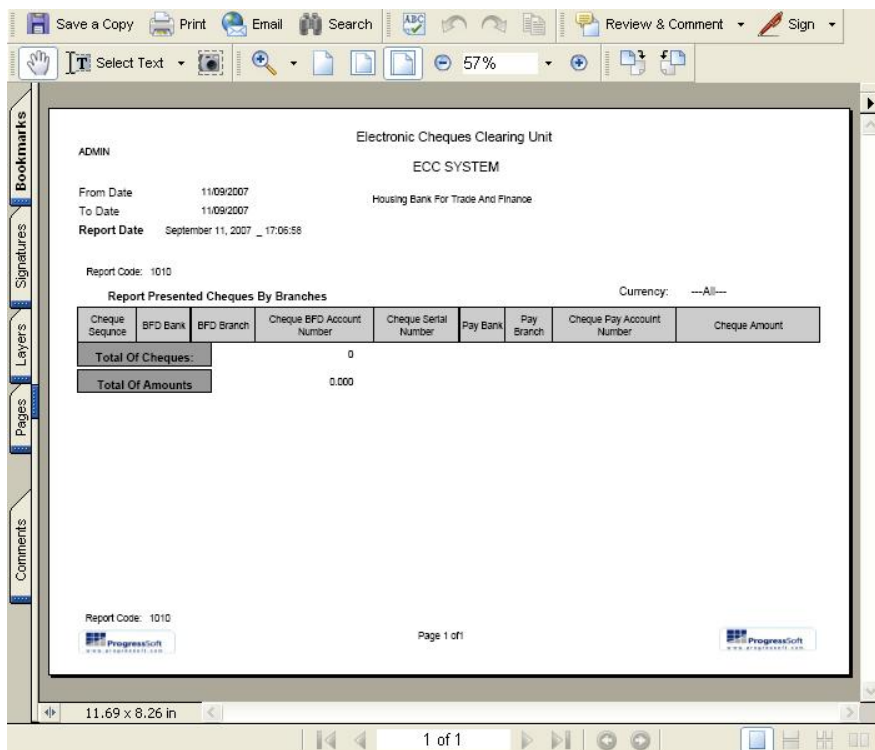


Figure 6-3: Report Presented Cheques By Branch/Generate as a PDF page

The following information about each cheque will be included in the report; the *Cheque Sequence*, *BFD Bank* and *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank* and *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount*, *Total Of Cheques* and *Total Of Amounts*.

2. Presented Cheques By Bank

Menu: Reports/ Jasper Reports/ Presented Cheques By Bank

Purpose: This report is generated to display the information of the cheques presented to the Pay bank; cheques in this report are filtered according to their Pay banks.

This is the first page (Figure 6-4) to display when clicking on this report from the *Jasper Reports* list.

Figure 6-4: Reports/ Report Presented Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the Pay bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

When being done with selecting the filtering criteria, click on **Generate** to display the report's results which will match the selected criteria; click on **Clear** if you wish to empty the fields; click on **Back** should you wish to return to the *Jasper Reports* list.

The same information pertaining to each cheque in the ***Report Presented Cheques By Branch (Section 6-1-1)*** will be included in this report as well; the *Cheque Sequence, BFD Bank and BFD Branch, Cheque BFD Account Number, Cheque Serial Number, Pay Bank and Pay Branch, Cheque Pay Account Number, Cheque Amount, Total Of Cheques and Total Of Amounts.*

3. Returned Cheques By Branch

Menu: Reports/ Jasper Reports/ Returned Cheques By Branch

Purpose: This report is generated to display the cheques presented by the BFD and returned (rejected) by the Pay bank; cheques in this report are filtered according to their BDF bank branches.

This is the first page (Figure 6-5) to display when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web application window titled "[0109] Outward/ Jasper Reports". The user is logged in as "ADMIN". The main form is titled "Report Returned Cheques By Branch". It contains the following fields and controls:

- Report Code:** 1020
- From Date:** 12/09/2007 (with a calendar icon)
- To Date:** 12/09/2007 (with a calendar icon)
- Undefined (branch_name):** A drop-down menu currently showing "All".
- Currency:** A drop-down menu currently showing "All".
- Report Type:** pdf (with a drop-down arrow)
- Buttons:** Generate, Clear, and Back.

The status bar at the bottom indicates the application is "Connected 12/09/2007 08:13:36" and "Open 29/08/2007 23:00:00".

Figure 6-5: Reports/ Report Returned Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed and the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-6). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

Electronic Cheques Clearing Unit

ECC SYSTEM

Housing Bank For Trade And Finance

ADMIN

From Date 12/09/2007

To Date 12/09/2007

Report Date September 12, 2007 _ 09:10:50

Report Code: 1020

Currency: ---All---

Report Returned Cheques By Branch

Cheque Sequence	BFD Bank	BFD Branch	Cheque BFD Account Number	Cheque Serial Number	Pay Bank	Pay Branch	Cheque Pay Account Number	Cheque Amount	Reason
Total Of Cheques:			0						
Total Of Amounts			0.000						

Report Code: 1020

Page 1 of 1

ProgressSoft

Figure 6-6: Report Returned Cheques By Branch/ Generate as a PDF page

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

4. Returned Cheques By Bank

Menu: Reports/ Jasper Reports/ Returned Cheques By Bank

Purpose: This report is generated to display the cheques presented by the BFD and returned (rejected) by the Pay bank; they are filtered according to their Pay bank.

This is the first page (Figure 6-7) to display when clicking on this report from the **Jasper Reports** list.

Figure 6-7: Reports/ Report Returned Cheques By Bank

Select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the Pay bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

When being done with selecting the filtering criteria, click on **Generate** to display the report's results which will match the selected criteria; click on **Clear** if you wish to empty the fields; click on **Back** should you wish to return to the **Jasper Reports** list.

The same information displayed when generating ***Returned Cheques By Branch*** report (**Section 6-1-3**) will appear here in this report; *Cheque Sequence, BFD Bank, BFD Branch, Cheque BFD Account Number, Cheque Serial Number, Pay Bank, Pay Branch, Cheque Pay Account Number, Cheque Amount and Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

5. System Returned Cheques By Branch

Menu: Reports/ Jasper Reports/ System Returned Cheques By Branch

Purpose: This report is generated to display the information related to the cheques presented by the BFD and returned by the ECCU; cheques in this report are filtered according to their BFD bank branches.

This is the first page (Figure 6-8) displayed when clicking on this report from the *Jasper Reports* list.

Figure 6-8: Reports/ Report System Returned Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

The same information displayed about each cheque in the **Report Returned Cheques By Branch (Section 6-1-3)** will be displayed in this report; *Cheque Sequence, BFD Bank, BFD Branch, Cheque BFD Account Number, Cheque Serial Number, Pay Bank, Pay Branch, Cheque Pay Account Number, Cheque Amount and Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

6. System Returned Cheques By Bank

Menu: Reports/ Jasper Reports/ System Returned Cheques By Bank

Purpose: This report is generated to display information of the cheques presented by the BFD and returned by the ECCU; cheques in this report are filtered depending on their Pay banks.

This is the first page (Figure 6-9) to be displayed to the user when clicking on this report from the **Jasper Reports** list.

The screenshot shows a web-based report generation interface. At the top, the title bar reads "[0109] Outward/ Jasper Reports" and the user is logged in as "ADMIN". The main form area is titled "Report System Returned Cheques By Bank". It contains several input fields: "Report Code" with the value "1023", "From Date" with "12/09/2007", "To Date" with "12/09/2007", "Bank Name" with a dropdown menu showing "---All---", and "Currency" with a dropdown menu showing "---All---". There is also a "Report Type" dropdown menu set to "pdf". Below these fields are three buttons: "Generate", "Clear", and "Back". The bottom status bar indicates the system is "Connected 12/09/2007 10:40:16" and the report was "Open 29/08/2007 23:00:00".

Figure 6-9: Reports/ Report System Returned Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the Pay bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

The same information displayed about each cheque in the **Report Returned Cheques By Branch** (Section 6-1-3) will be displayed in this report; *Cheque Sequence, BFD Bank, BFD Branch, Cheque BFD Account Number, Cheque Serial Number, Pay Bank, Pay Branch, Cheque Pay Account Number, Cheque Amount and Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

7. Report for Not Presented Cheques

Menu: Reports/ Jasper Reports/ Report for Not Presented Cheques

Purpose: This report is generated to display information of the cheques that the BFD has not presented to the Pay bank; they are filtered according to their Pay bank.

This is the first page (Figure 6-10) to display when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web application window titled "[0109] Outward/ Jasper Reports". The user is logged in as "ADMIN". The main form is for "Report for Not Presented Cheques" with "Report Code: 1030". It contains several input fields: "From Date" (12/09/2007), "To Date" (12/09/2007), "Bank Name" (All), and "Currency" (All). The "Report Type" is set to "pdf". There are three buttons: "Generate", "Clear", and "Back". The status bar at the bottom indicates "Connected 12/09/2007 10:52:16" and "Open 29/08/2007 23:00:00".

Figure 6-10: Reports/ Report For Not Presented Cheques

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the Pay bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-11). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

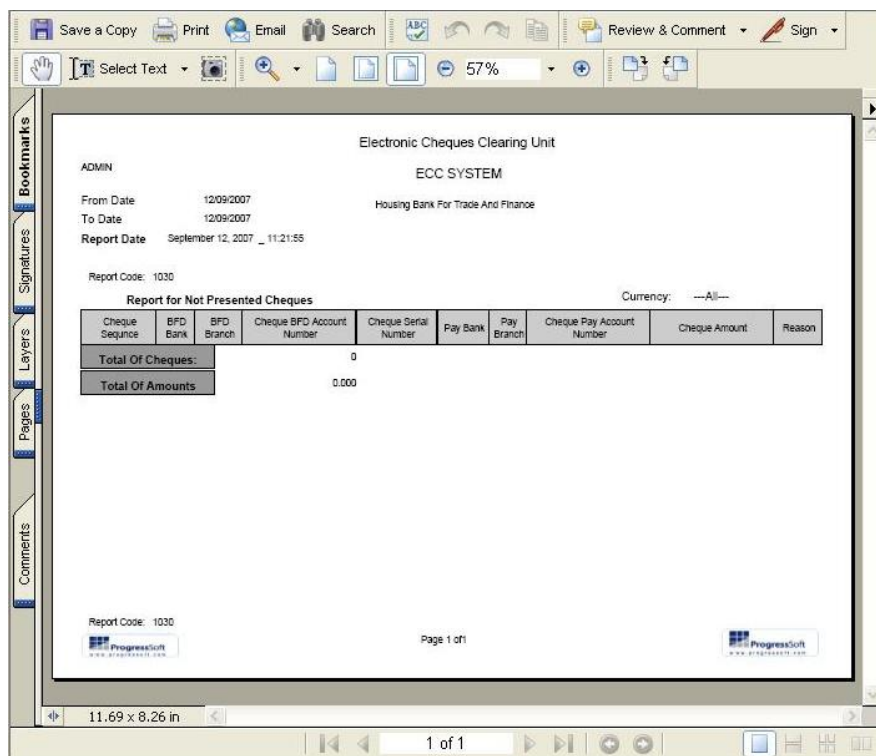


Figure 6-11: Report For Not Presented Cheques/ Generate as a PDF page

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

8. Destination Unreachable Cheques By Branch

Menu: Reports/ Jasper Reports/ Destination Unreachable Cheques By Branch

Purpose: This report is generated to display the information of the cheques that have been presented by the BFD and returned with a return reason (DSU); that is to say, presented cheques are returned because they haven't reached their designated destination for one reason or another. Cheques in this report are filtered according to their BFD bank branches.

This is the first page (Figure 6-12) to display when clicking on this report from the *Jasper Reports* list.

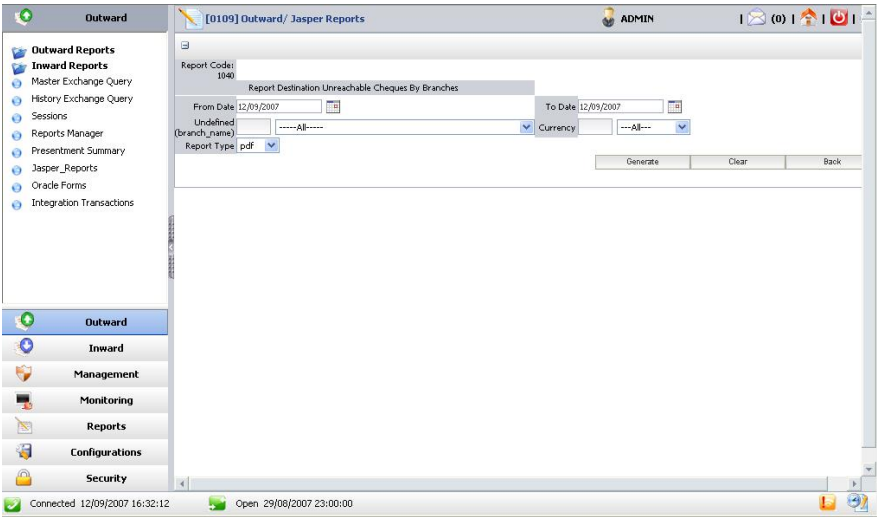


Figure 6-12: Reports/ Report Destination Unreachable Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-13). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

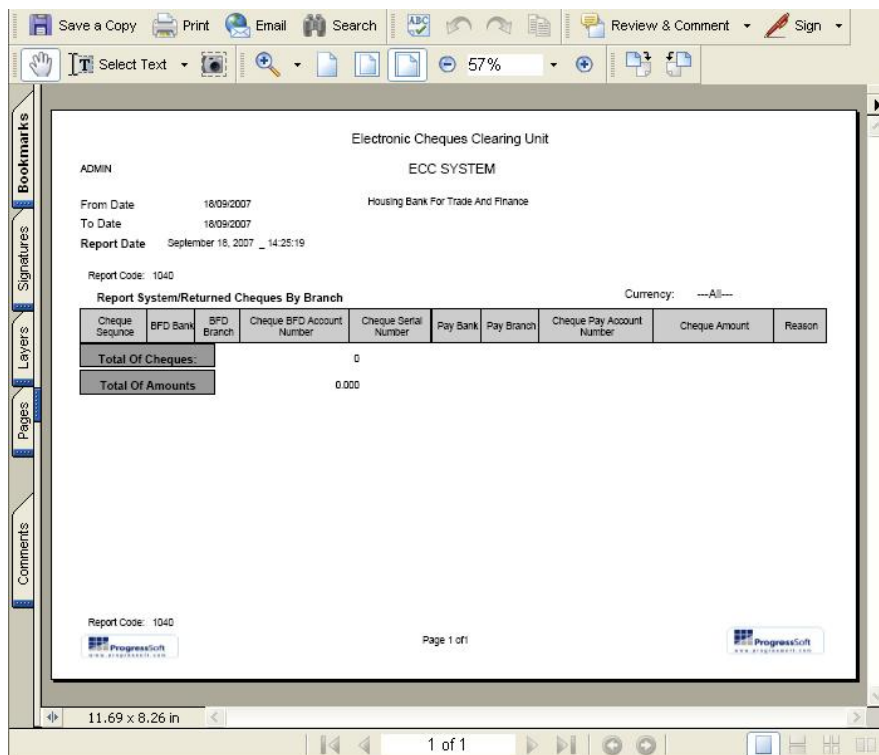


Figure 6-13: Destination Unreachable Cheques By Branch / Generate as a PDF page

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

9. Destination Unreachable Cheques By Bank

Menu: Reports/ Jasper Reports/ Destination Unreachable Cheques By Bank

Purpose: This report is generated to display the information of the cheques presented by the BFD and returned because of not reaching their designated destination; cheques are filtered according to their Pay banks.

This page (Figure 6-14) will display once you click on this report from the *Jasper Reports* list.

Figure 6-14: Reports/ Report Destination Unreachable Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the Pay bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

This report displays the same information displayed in the previous report (Section 6-1-8); *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

10. Pending Cheques By Branch

Menu: Reports/ Jasper Reports/ Pending Cheques By Branch

Purpose: This report is generated to display the information of the cheques presented by the BFD but are still pending in the ECCU (waiting for reply); cheques in this report are filtered according to their BFD bank branches.

This is the first page (Figure 6-15) to display when clicking on this report from the ***Jasper Report*** list.

The screenshot shows a web application window titled '[0109] Outward/ Jasper Reports'. The user is logged in as 'ADMIN'. The main form is titled 'Report Pending Cheques By Branches'. It contains the following fields and controls:

- Report Code:** 1050
- From Date:** 12/03/2007 (with a calendar icon)
- To Date:** 12/03/2007 (with a calendar icon)
- Undefined (branch_name):** All (with a drop-down arrow)
- Currency:** All (with a drop-down arrow)
- Report Type:** pdf (with a drop-down arrow)
- Buttons:** Generate, Clear, Back

The status bar at the bottom indicates 'Connected 12/09/2007 16:32:12' and 'Open 29/08/2007 23:00:00'.

Figure 6-15: Reports/ Report Pending Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the ***Jasper Reports*** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-16). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it

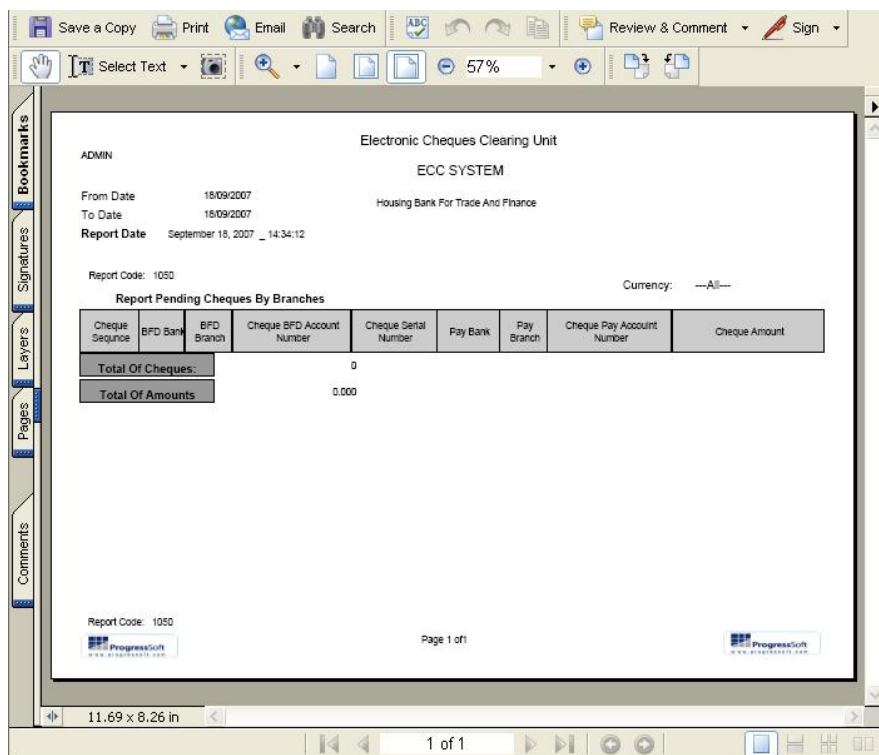


Figure 6-16: Report Pending Cheques By Branch/ Generate as PDF page

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number* and *Cheque Amount* in addition to the *Total Of Cheques* and *Total Of Amounts*.

11. Pending Cheques By Bank

Menu: Reports/ Jasper Reports/ Pending Cheques By Bank

Purpose: This report is generated to display the information of the cheques presented by the BFD but are still pending in the ECCU (waiting for reply); cheques in this report are filtered according to their Pay banks.

This is the first page (Figure 6-17) to display when clicking on this report from the **Jasper Report** list.

The screenshot shows a web-based report generation interface. At the top, there's a header bar with the title '[0109] Outward/ Jasper Reports' and a user profile 'ADMIN'. Below this is a form titled 'Report Pending Cheques By Bank'. The form contains several input fields: 'Report Code' with the value '1051', 'From Date' set to '12/09/2007', 'To Date' set to '12/09/2007', 'Bank Name' set to '---All---', 'Currency' set to '---All---', and 'Report Type' set to 'pdf'. There are three buttons: 'Generate', 'Clear', and 'Back'. The bottom of the window shows a status bar with 'Connected 12/09/2007 16:32:12' and 'Open 29/08/2007 23:00:00'.

Figure 6-17: Reports/ Report Pending Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the Pay bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the ***Generate*** button to display the cheques that match the selected filtering criteria; click on ***Clear*** if you wish to empty the fields; click on ***Back*** to go back to the ***Jasper Reports*** list.

This report will display the same information displayed in the previous report (**Section 6-1-10**); *Cheque Sequence, BFD Bank, BFD Branch, Cheque BFD Account Number, Cheque Serial Number, Pay Bank, Pay Branch, Cheque Pay Account Number* and *Cheque Amount* in addition to the *Total Of Cheques* and *Total Of Amounts*.

12. Received Cheques By Branch

Menu: Reports/ Jasper Reports/ Received Cheques By Branch

Purpose: This report is generated to display the information pertaining to the cheques received by the Pay bank; cheques in this report are filtered according to their Pay bank branches.

This is the first page (Figure 6-18) to display when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web application interface for generating a report. The title bar indicates '[0109] Outward/ Jasper Reports' and the user is 'ADMIN'. The main form is titled 'Report Received Cheques By Branch'. It contains the following fields and controls:

- Report Code:** 3010
- From Date:** 12/09/2007 (with a calendar icon)
- To Date:** 12/09/2007 (with a calendar icon)
- Undefined (branch_name):** A drop-down menu currently showing 'All'.
- Currency:** A drop-down menu currently showing 'All'.
- Report Type:** A drop-down menu currently showing 'pdf'.
- Buttons:** 'Generate', 'Clear', and 'Back'.

At the bottom of the window, there is a status bar showing 'Connected 12/09/2007 16:32:12' and 'Open 29/08/2007 23:00:00'.

Figure 6-18: Report/ Report Received Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number* and *Cheque Amount* in addition to the *Total Of Cheques* and *Total Of Amounts*. You can see (**Section 6-1-10**).

13. Received Cheques By Bank

Menu: Reports/ Jasper Reports/ Received Cheques By Bank

Purpose: This report is generated to display the information pertaining to the cheques received by the Pay bank; cheques in this report are sorted according to their BFD banks.

This is the first page (Figure 6-19) to display when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web application window titled "[0109] Outward/ Jasper Reports". The user is logged in as "ADMIN". The main form is titled "Report Received Cheques By Bank". It contains the following fields and controls:

- Report Code:** 3011
- From Date:** 12/09/2007 (with a calendar icon)
- To Date:** 12/09/2007 (with a calendar icon)
- Bank Name:** ---All--- (dropdown menu)
- Currency:** ---All--- (dropdown menu)
- Report Type:** pdf (dropdown menu)
- Buttons:** Generate, Clear, Back

The status bar at the bottom indicates "Connected 12/09/2007 16:32:12" and "Open 29/08/2007 23:00:00".

Figure 6-19: Reports/ Report Received Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number* and *Cheque Amount* in addition to the *Total Of Cheques* and *Total Of Amounts*. You can see (**Section 6-1-10**).

14. Rejected Cheques By Branch

Menu: Reports/ Jasper Reports/ Rejected Cheques By Branch

Purpose: This report is generated to display the information pertaining to the cheques rejected by the Pay bank; cheques in this report are filtered according to their Pay bank branches.

This is the first page (Figure 6-20) to display when clicking on this report from the **Jasper Reports** list.

The screenshot shows a web-based application window titled "[0109] Outward/ Jasper Reports". The user is logged in as "ADMIN". The main form is titled "Report Rejected Cheques By Branches". It contains the following fields and controls:

- Report Code:** 3020
- From Date:** 12/09/2007 (with a calendar icon)
- To Date:** 12/09/2007 (with a calendar icon)
- Undefined (branch_name):** All (dropdown menu)
- Currency:** All (dropdown menu)
- Report Type:** pdf (dropdown menu)
- Buttons:** Generate, Clear, Back

The status bar at the bottom indicates the application is "Connected 12/09/2007 16:32:12" and the report was "Open 29/08/2007 23:00:00".

Figure 6-20: Reports/ Report Rejected Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the **Calendar** icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the **Branch Code** will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the **Currency Code** will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a **PDF page** (meaning that the user can not perform any action on the cheques information) or as an **Excel sheet** (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting **All** from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-21). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

Electronic Cheques Clearing Unit

ECC SYSTEM

ADMIN

From Date 19/09/2007

To Date 19/09/2007

Report Date September 19, 2007 _ 11:45:29

Housing Bank For Trade And Finance

Report Code: 3020

Report Rejected Cheques By Branch

Currency: ---All---

Cheque Sequence	BFD Bank	BFD Branch	Cheque BFD Account Number	Cheque Serial Number	Pay Bank	Pay Branch	Cheque Pay Account Number	Cheque Amount	Reason
Total Of Cheques:			0						
Total Of Amounts			0.000						

Report Code: 3020

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ProgressSoft

Figure 6-21: Report Rejected Cheques By Branch/ Generate as a PDF page

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

15. Rejected Cheques By Bank

Menu: Reports/ Jasper Reports/ Rejected Cheques By Bank

Purpose: This report is generated to display the information pertaining to the cheques rejected by the Pay bank. Cheques in this report are filtered according to their BFD bank.

This is the first page (Figure 6-22) to display when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web application interface for generating reports. The title bar indicates the user is 'ADMIN' and the report is '[0109] Outward/ Jasper Reports'. The main form area is titled 'Report Received Cheques By Bank'. It contains several input fields: 'Report Code: 3011', 'From Date: 12/09/2007', 'To Date: 12/09/2007', 'Bank Name: All', and 'Currency: All'. The 'Report Type' is set to 'pdf'. There are three buttons at the bottom right: 'Generate', 'Clear', and 'Back'. The status bar at the bottom shows 'Connected 12/09/2007 16:32:12' and 'Open 29/08/2007 23:00:00'.

Figure 6-22: Reports/ Report Rejected Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the BFD bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*. You can see (**Section 6-2-3**).

16. System Accepted Rejected Cheques By Branch

Menu: Reports/ Jasper Reports/ System Accepted Rejected Cheques By Branch

Purpose: This report is generated to display the information pertaining to the cheques automatically accepted or rejected by the system. Cheques in this report are filtered according to their Pay bank branches.

This is the first page (Figure 6-23) to display when clicking on this report from the *Jasper Reports* list.

Figure 6-23: Reports/ Report System Accepted Rejected Cheques By Branch

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Branch-name** drop-down list, select the branch whose cheques are desired to be displayed so that the *Branch Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Branch-name** and the **Currency** drop-down lists will display all cheques regardless their branches or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-24). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

ADMIN

Electronic Cheques Clearing Unit

ECC SYSTEM

From Date 17/09/2007 To Date 17/09/2007

Housing Bank For Trade And Finance

Report Date September 17, 2007 _ 10:55:43

Report Code: 3032

Currency: ---All---

Cheque Sequence	BFD Bank	BFD Branch	Cheque BFD Account Number	Cheque Serial Number	Pay Bank	Pay Branch	Cheque Pay Account Number	Cheque Amount	Old Reason	Reason
Total Of Cheques:			0							
Total Of Amounts			0.000							

Report Code: 3032

Page 1 of 1

Progress/Soft

Figure 6-24: Report System Accepted Rejected Cheques By Branch/Generate as a PDF page

The following information will be displayed to you; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount*, *Old Reason* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

17. System Accepted Rejected Cheques By Bank

Menu: Reports/ Jasper Reports/ System Accepted Rejected Cheques By Bank

Purpose: This report is generated to display the information pertaining to the cheques automatically accepted or rejected by the system. Cheques in this report are filtered according to their BFD bank.

This is the first page (Figure 6-25) to display when clicking on this report from the *Jasper Reports* list.

The screenshot shows a web-based report generation interface. At the top, the window title is "[0109] Outward/ Jasper Reports". The user is logged in as "ADMIN". Below the title bar, there is a section for report configuration. The "Report Code" is "3031". The "Report Name" is "Report System Accepted Rejected Cheques By Bank". The "From Date" is "12/09/2007" and the "To Date" is "12/09/2007". The "Bank Name" is "---All---" and the "Currency" is "---All---". The "Report Type" is "pdf". There are three buttons: "Generate", "Clear", and "Back". At the bottom of the window, the status bar shows "Connected 12/09/2007 16:32:12" and "Open 29/08/2007 23:00:00".

Figure 6-25: Reports/ Report System Accepted Rejected Cheques By Bank

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; from the **Bank-name** drop-down list, select the bank whose cheques are desired to be displayed so that the *Bank Code* will appear in the field next to the drop-down list; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Bank-name** and the **Currency** drop-down lists will display all cheques regardless their banks or currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

The same information appearing to you in the previous report (**Section 6-2-7**) will be displayed here in this report; *Cheque Sequence*, *BFD Bank*, *BFD Branch*, *Cheque BFD Account Number*, *Cheque Serial Number*, *Pay Bank*, *Pay Branch*, *Cheque Pay Account Number*, *Cheque Amount*, *Old Reason* and *Reason* in addition to the *Total Of Cheques* and *Total Of Amounts*.

18. System Accepted Rejected Cheques By Reason

Menu: Reports/ Jasper Reports/ System Accepted Rejected Cheques By Bank

Purpose: This report is generated to display the information pertaining to the cheques accepted or rejected by the system.

This is the first page (Figure 6-26) to display when clicking on this report from the *Jasper Reports* list.

Figure 6-26: Reports/ Report System Accepted Rejected Cheques By Reason

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **From Date- To Date** by clicking on the *Calendar* icons next to them and selecting the desired dates; select the currency of the desired cheques from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Currency** drop-down lists will display all cheques regardless currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

The same information appearing to you in (**Section 6-2-7**) will be displayed to you here; *Cheque Sequence, BFD Bank, BFD Branch, Cheque BFD Account Number, Cheque Serial Number, Pay Bank, Pay Branch, Cheque Pay Account Number, Cheque Amount, Old Reason and Reason* in addition to the *Total Of Cheques and Total Of Amounts*.

19. Net Clearing Position

Menu: Reports/ Jasper Reports/ Net Clearing Position

Purpose: This report is generated to have the role of a reference from which banks' users can see the accordance between the information that ECCU has on their banks' cheques and the information that they have in their banking system. That is, a list of all banks' codes along with their cheques amount and counts will be displayed here in this report.

This is the first page (Figure 6-27) to display when clicking on this report from the **Jasper Reports** list.

The screenshot shows a web-based application window for generating reports. The title bar indicates the user is 'ADMIN' and the window is titled '[0109] Outward/ Jasper Reports'. Inside the window, there's a form for the 'Net Clearing Position' report. The 'Report Code' is '4110'. The 'Session Date' is set to '13/09/2007' with a calendar icon. The 'Currency' is set to 'All' with a dropdown arrow. The 'Report Type' is set to 'pdf' with a dropdown arrow. Below the form are three buttons: 'Generate', 'Clear', and 'Back'. At the bottom of the window, a status bar shows 'Connected 13/09/2007 11:03:24' and 'Open 29/08/2007 23:00:00'.

Figure 6-27: Reports/ Net Clearing Position

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **Session Date** by clicking on its *Calendar* icon and selecting the desired date; select the currency of the cheques whose count and amount are desired to be viewed from the **Currency** drop-down list; thus, the **Currency Code** will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Currency** drop-down lists will display all cheques regardless their currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-28). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

Electronic Cheques Clearing Unit
ECC SYSTEM
Housing Bank For Trade And Finance

ADMIN
Session Date 13/09/2007
Report Date September 13, 2007 _ 12:15:43

Report Code: 4010
Net Clearing Position Report
Currency: ---All---

Bank Information		Total Transactions (CR)		Total Transactions (DR)	
Bank Code	Bank name	Amount	Count	Amount	Count
1	Central Bank Of Jordan	0.000	0	0.000	0
2	Jordan Kuwait Bank	0.000	0	0.000	0
3	Jordan National Bank	0.000	0	0.000	0
4	Bank Of Jordan	0.000	0	0.000	0
6	Housing Bank For Trade And Finance	0.000	0	0.000	0
7	Hsbc Bank Middle East	0.000	0	0.000	0
8	Egyptian Arab Land Bank	0.000	0	0.000	0
9	Cairo Amman Bank	0.000	0	0.000	0
10	Arab Bank	0.000	0	0.000	0
11	Jordan Islamic Bank	0.000	0	0.000	0
12	Standard Chartered Bank	0.000	0	0.000	0

Page 1 of 2

Bank Information		Total Transactions (CR)		Total Transactions (DR)	
Bank Code	Bank name	Amount	Count	Amount	Count
13	Jordan Commercial Bank	0.000	0	0.000	0
15	Raficain Bank	0.000	0	0.000	0

Figure 6-28: Net Clearing Position/ Generate as a PDF page

Notice that the information related to the banks cheques is divided into three sections; **Bank Information** includes the *Bank Code* and *Bank Name*; **Total Transaction (CR: Creditor)** includes the cheques' *Amount* and *Count*; **Total Transaction (DR: Debtor)** includes the cheques' *Amount* and *Count*, as well.

Note: The information displayed in the *Reconciliation Jasper Reports* is restricted to the amounts and counts of the cheques pertaining to all banks; however, users can see the detailed information related to each cheque in the *Inward* and *Outward Jasper Reports*.

20. Presented and Rejected Cheques

Menu: Reports/ Jasper Reports/ Presented and Rejected Cheques

Purpose: This report is generated to display the counts and amounts of the presented/ rejected cheques as shown in the ECCU records.

This is the first page (Figure 6-29) to display when clicking on this report from the *Jasper Reports* list.

Figure 6-29: Reports/ Presented and Rejected Cheques

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **Session Date** by clicking on its *Calendar* icon and selecting the desired date; select the currency of the cheques whose count and amount are desired to be viewed from the **Currency** drop-down list; the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Currency** drop-down lists will display all cheques regardless their currencies.

Once you are done, click on the **Generate** button to display the cheques that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-30). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

ADMIN Electronic Cheques Clearing Unit
ECC SYSTEM

Session Date: 13/09/2007
Report Date: September 13, 2007 12:59:06
Report Code: 4000
Housing Bank For Trade And Finance
Currency: --All--

Outward Report / Credit Clearing Position

Bank Code	Presented		Rejected		Exception		Pending		Total	
	Count	Amount	Count	Amount	Count	Amount	Count	Amount	Count	Amount
1	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
2	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
4	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
5	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
11	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
12	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
13	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
14	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
15	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
16	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
17	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
21	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
24	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
31	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
32	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
42	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
44	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Page 1 of 2

Figure 6-30: Presented and Rejected Cheques/ Generate as a PDF page

Here appear the counts and amounts of the **Presented**, **Rejected** and **Pending** cheques (cheques that are still waiting in the ECCU) in addition to the cheques with **Exception** (cheques waiting for reply in the Pay bank). In this report appear the **Bank Codes** along with their cheques' **Counts** and **Amounts**, in addition to the **Total Amounts** and **Counts** of cheques available in each bank.

21. Received and Returned Cheques

Menu: Reports/ Jasper Reports/ Received and Returned Cheques

Purpose: This report is generated to display the counts and amounts of the cheques received and returned by the Pay bank as shown by the ECCU.

This is the first page (Figure 6-31) to display when clicking on this report from the *Jasper Reports* list.

Figure 6-31: Reports/ Received and Returned Cheques

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **Session Date** by clicking on its *Calendar* icon and selecting the desired date; select the currency of the cheques whose count and amount are desired to be viewed from the **Currency** drop-down list; the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Currency** drop-down lists will display all cheques regardless currencies.

Once you are done, click on the **Generate** button to display the report's outputs that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-32). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

Electronic Cheques Clearing Unit
ECC SYSTEM

ADMIN:
Session Date: 15/09/2007
Report Date: September 15, 2007, 10:24:49
Report Code: 4030
Currency: --A\$--

Inward Report/Debit Clearing Position

Bank Code	Received Cheques		Returned Cheques		System Returned Cheques		DSU Returned Cheques		Total Cheques	
	Count	Amount	Count	Amount	Count	Amount	Count	Amount	Count	Amount
1	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
2	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
4	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
11	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

Page 1 of 2

DSU Destination Unreachable

Bank Code	Received Cheques		Returned Cheques		System Returned Cheques		DSU Returned Cheques		Total Cheques	
	Count	Amount	Count	Amount	Count	Amount	Count	Amount	Count	Amount
12	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
13	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
15	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

14.17 x 8.26 in

1 of 2

Figure 6-32: Received and Returned Cheques/ Generate as a PDF page

This report displays the counts and amounts of the **Received Cheques** (cheques received by the Pay bank), **Returned Cheques** (cheques rejected by the Pay bank), **System Returned Cheques** (cheques automatically rejected) and **DSU Returned Cheques** (cheques rejected because of not reaching their destination). **Banks' Codes** are displayed in this report along with their cheques **Counts** and **Amounts**; in addition; their **Total Cheques' Counts** and **Amounts** are displayed in this report.

22. Cheques Processing Status

Menu: Reports/ Jasper Reports/ Cheques Processing Status

Purpose: This report is generated to display the total of the cheques presented (total out) and received (total in) by the banks as shown in the ECCU records.

This is the first page (Figure 6-33) to display when clicking on this report from the *Jasper Reports* list.

Figure 6-33: Reports/ Cheques Processing Status

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **Session Date** by clicking on its *Calendar* icon and selecting the desired date; select the currency of the cheques whose count and amount are desired to be viewed from the **Currency** drop-down list and the *Currency Code* will appear in the field next to the drop-down list; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information). Notice that selecting *All* from the **Currency** drop-down lists will display all cheques regardless currencies.

Once you are done, click on the **Generate** button to display the report's outputs that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the *Jasper Reports* list.

Clicking on the **Generate** button with *PDF* is selected from the **Report Type** drop-down list; the report will appear as a *PDF* page (Figure 6-34). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

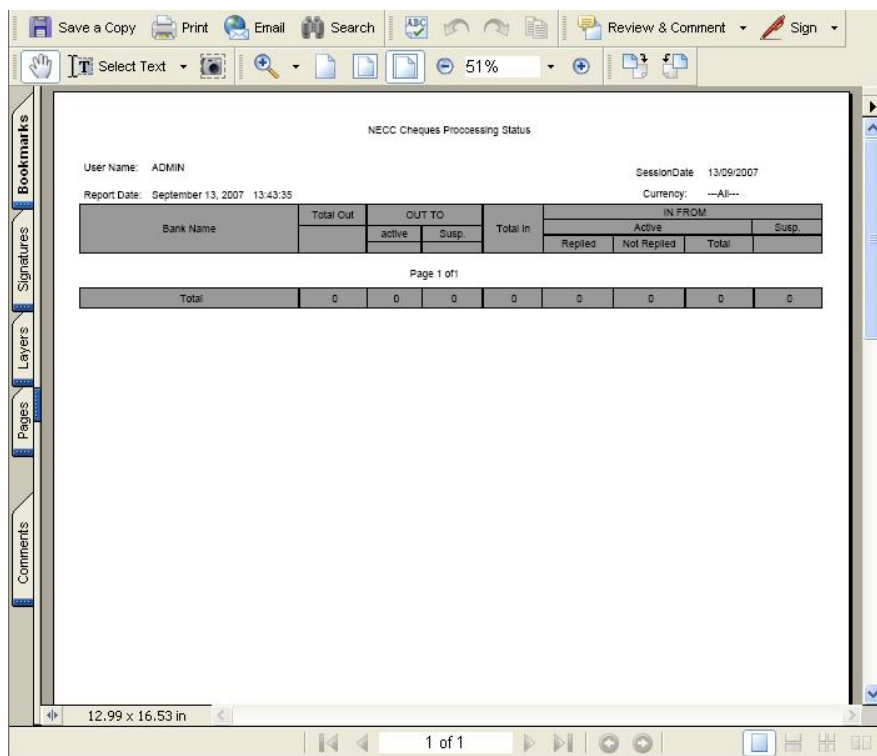


Figure 6-34: Cheques Processing Status/ Generate as a PDF page

The following information will appear on each bank; the **Bank Name**, **Total Out**; total of presented cheques whether *Active* (accepted and rejected) or *Suspended* (cheques are rejected because the Pay bank or the BFD has stopped presenting and receiving cheques for one reason or another), **Total In**; total of received cheques whether *Active* (*Replied* or *Not Replied*) or *Suspended*.

23. Suspended Banks

Menu: Reports/ Jasper Reports/ Suspended Banks

Purpose: This report is generated to display a list of the banks that have stopped presenting and receiving cheques for on some reason.

This is the first page (Figure 6-35) to display when clicking on this report from the **Jasper Reports** list.

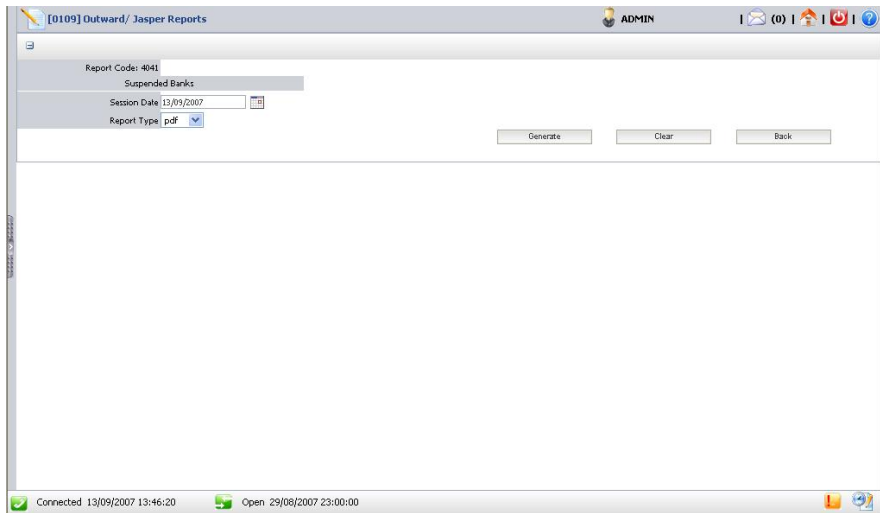


Figure 6-35: Reports/ Suspended Banks

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **Session Date** by clicking on its *Calendar* icon and selecting the desired date; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information).

Once you are done, click on the **Generate** button to display the banks' names that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with *PDF* is selected from the **Report Type** drop-down list; the report will appear as a *PDF* page (Figure 6-36). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

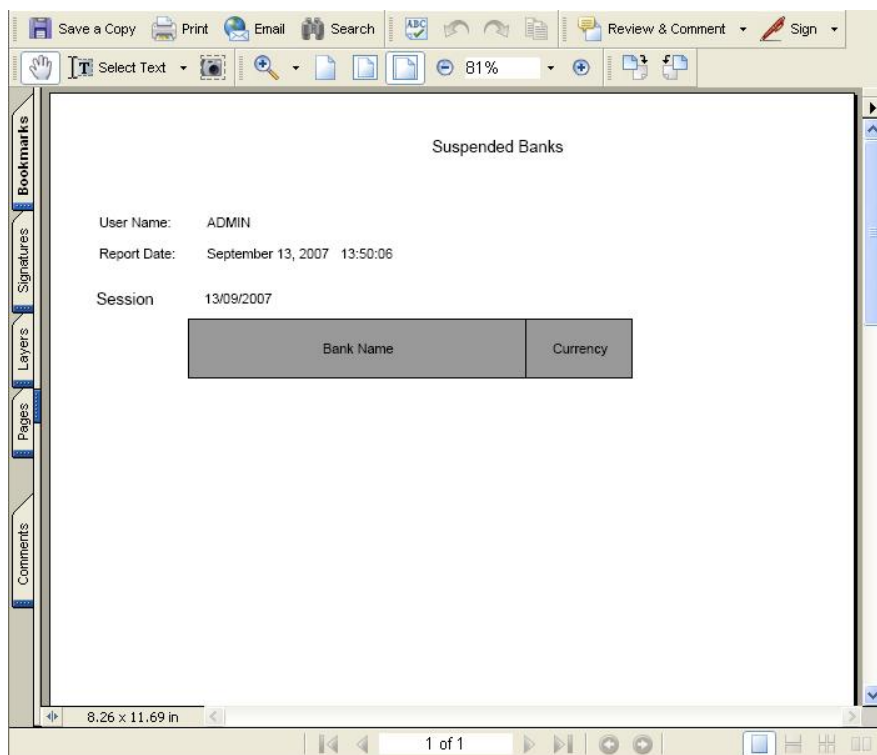


Figure 6-36: *Suspended Banks/ Generate as a PDF page*

This report will display the following information about each suspended bank; the *Bank Name* and the *Currency* used in each bank.

24. Report For Reconciliation

Menu: Reports/ Jasper Reports/ Report for Reconciliation

Purpose: This report views the information (counts and amounts) that the central bank has about the cheques being moved from one bank to another; in addition cheques of different statuses are viewed here.

This is the first page (Figure 5-37) to display when clicking on this report from the **Jasper Reports** list.

The screenshot shows a web application interface for generating reports. The title bar indicates the user is 'ADMIN'. The main form area has a header section with the following fields: 'Report Code: 4050', 'Report for Reconciliation', 'Session Date: 13/05/2007' (with a calendar icon), and 'Report Type: pdf' (with a dropdown arrow). Below these fields are three buttons: 'Generate', 'Clear', and 'Back'. The status bar at the bottom shows 'Connected 13/09/2007 13:50:21' and 'Open 29/08/2007 23:00:00'.

Figure 6-37: Reports/ Report for Reconciliation

In order to refine the report's results and display them as to your desire, you can select the following filtering criteria; select the **Session Date** by clicking on its *Calendar* icon and selecting the desired date; from **Report Type** drop-down list, select to view the report in a *PDF page* (meaning that the user can not perform any action on the cheques information) or as an *Excel sheet* (which means that you can perform the **Excel** operations on the cheques information).

Once you are done, click on the **Generate** button to display the report's outputs that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Once you are done, click on the **Generate** button to display the banks' names that match the selected filtering criteria; click on **Clear** if you wish to empty the fields; click on **Back** to go back to the **Jasper Reports** list.

Clicking on the **Generate** button with **PDF** is selected from the **Report Type** drop-down list; the report will appear as a **PDF** page (Figure 6-38). Thus, you can not perform any action on the report information but you can print the report and get a hard copy of it.

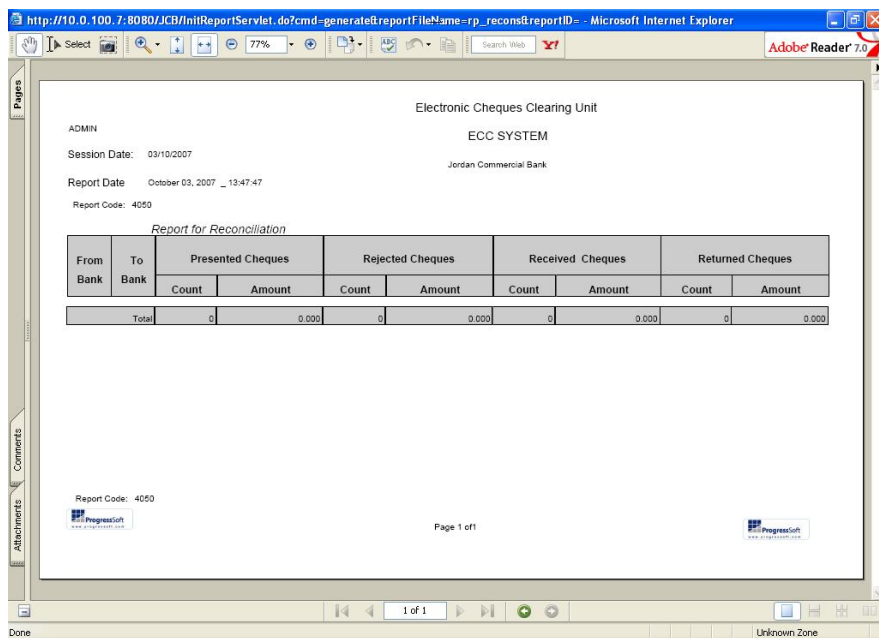


Figure 6-38: Report for Reconciliation / *Generate as a PDF page*

This report views the following information; the names of the banks among which the cheques are being moved (**From Bank- To Bank**) in addition to the **Count** and **Amount** of the **Presented Cheques**, **Rejected Cheques**, **Received Cheques** and **Returned Cheques**; the **Total** amount and count of these cheques are viewed here in this report, as well.