

Enterprise Reporting Portal (ERP)

Overview

October 2010

Contents

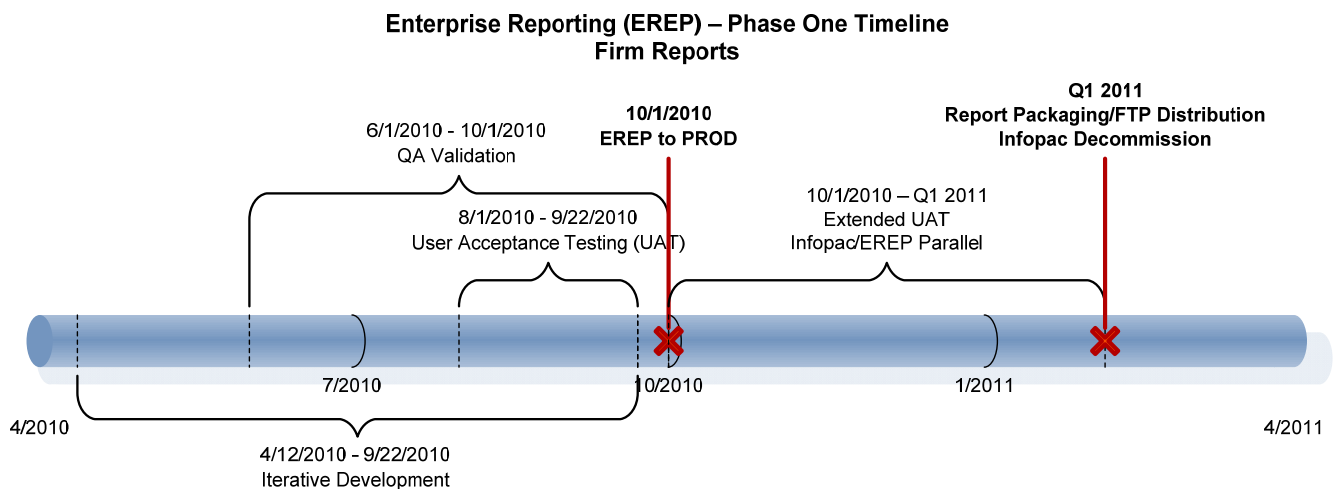
- 1 PROJECT OVERVIEW 1
- 2 KEY MILESTONE DATES 1
- 3 REPORT PARALLEL: KEY ITEMS 1
 - 3.1 How do I request access to EREP? 1
 - 3.2 How do I access EREP? 2
 - 3.3 What reports are available on EREP? 3
 - 3.4 When is EREP available? 3
- 4 WHAT FEATURES WILL REMAIN THE SAME IN THE NEW REPORTING SYSTEM? 4
 - 4.1 Report Availability 4
 - 4.2 User Security and Entitlements 4
 - 4.3 Report Formatting 4
 - 4.4 Standard Reporting Features 4
- 5 WHAT ARE NEW FEATURES OF THE NEW REPORTING SYSTEM? 4
 - 5.1 Single Sign On 4
 - 5.2 Roles and Report Profiles 4
 - 5.3 Report Usability and Navigation 5
 - 5.4 Report Printing 6
 - 5.5 User Requested Enhancements 6
 - 5.6 Split or Embedded Reports vs. Consolidated Reports 6
- 6 WHAT FEATURES ARE SCHEDULED FOR UPCOMING RELEASES? 7
 - 6.1 Report Packaging and FTP Distribution (EREP 1.1) 7
 - 6.2 Broker Reporting - Member Reporting System (MRS) Migration (EREP 2.0) 7
- 7 WHAT CAN I DO TO ASSIST A SMOOTH TRANSITION TO EREP? 7
 - 7.1 Testing Responsibilities 7
 - 7.2 Recommended Test Cases 7
- 8 FEEDBACK AND TRAINING 7

1 Project Overview

Enterprise Reporting Portal (EREP) is a browser-based tool for firm users to search, view, and print or download CME Group pre-processed reports. Effective Monday, October 4, 2010 EREP will be available for firm users via the CME Group Portal to access select groups of reports to gain familiarity with the new reporting tool, validate reports, and provide feedback. To ensure a seamless transition and enable an extended user acceptance period, legacy reporting systems **Infopac (View Direct)** and web-based **Document Direct** will remain available and enable parallel report comparisons until report migration is complete in Q1 2011.

2 Key Milestone Dates

- EREP (to Production) 10/1/2010
- Extended UAT (Infopac/EREP parallel) 10/1/2010 - Q1 2011
- Report Packaging and FTP Distribution Q1 2011
- Infopac Decommission Q1 2011



3 Report Parallel: Key Items

3.1 How do I request access to EREP?

- **Active firm users of legacy Infopac/Document Direct have been automatically converted to EREP.** Users may access EREP via the CME Group Portal using their existing portal ID. Access was established to mimic similar security and permissions available within Infopac and Document Direct today.
- **NOTE:** If you do not have access to CME Group Connect CERT or PROD portals or EREP, please contact CME Group's Firm Support Hotline at firmsupport@cmegroup.com or (312) 930-3444 (option 2) between the hours of 6:30 am CST and 5:30 pm CST. You may also fill out the **Online System Access Request Form** (<http://www.cmegroup.com/clearing/files/onlineaccess.pdf>) to request access.

3.2 How do I access EREP?

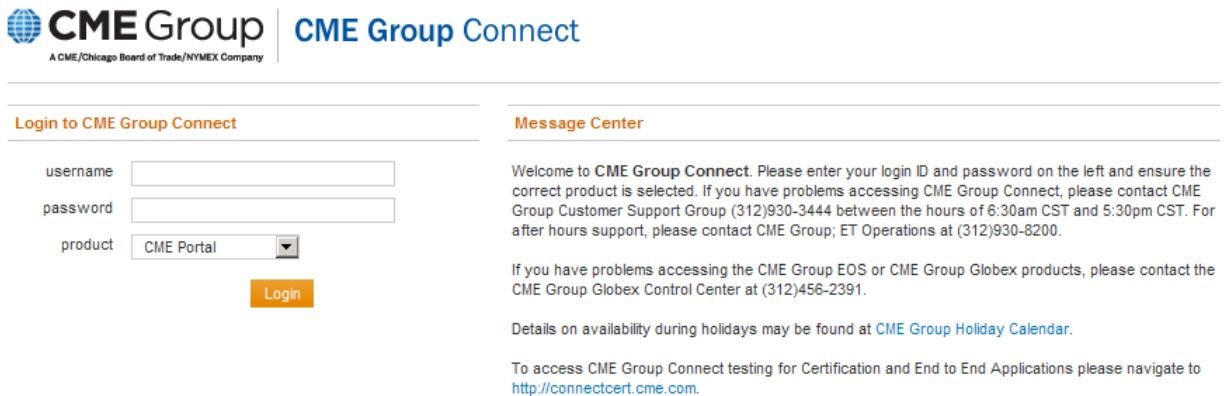
Step 1 To access **Enterprise Reporting Portal (EREP)**, users must login to the CME Group Portal, which is located by entering the following address in your browser:

EREP UAT (CERT) (latest development release): <http://connectcert.cme.com>

EREP PROD (latest production release): <http://connect.cme.com>

Step 2 In the user name and password fields, enter your CME Connect access credentials. The username and password will typically be the same your portal ID used for the regular production CME Group Portal.

Once the username and password have been entered, the product selection should be set to '**CME Portal**'. After entering the appropriate information, click the '**Login**' button.



The screenshot shows the CME Group Connect login interface. On the left, there are input fields for 'username', 'password', and a 'product' dropdown menu set to 'CME Portal'. An orange 'Login' button is positioned below these fields. On the right, a 'Message Center' section contains a welcome message and contact information for CME Group Customer Support Group and ET Operations. A link to the CME Group Holiday Calendar is also present.

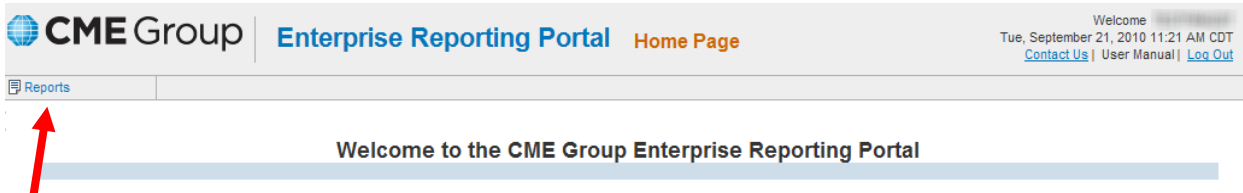
Step 3 Upon successful login, the user will be directed to the CME Applications menu. Here, the user will view the '**EREP**' icon. Selecting the EREP icon will enable *immediate access* to EREP. (*No second login process is required*).



The screenshot displays the CME Connect Applications menu. The 'cmeconnect' logo is at the top left, and 'CME APPLICATIONS' is at the top right. A 'Logged in' status is shown with a 'LOGOUT' button. Below this, there is an icon for 'EREP' with a blue arrow pointing to it.

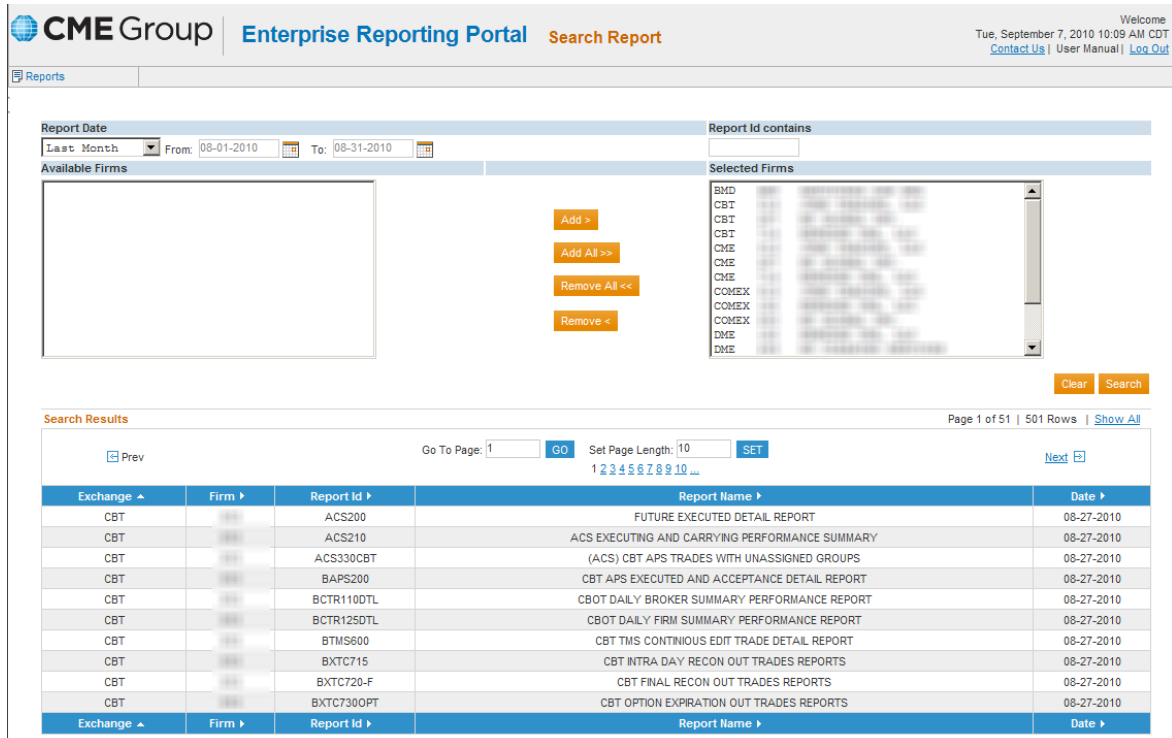
Step 4 The EREP system will display the Home Page. The user selects the **Reports** tab.

NOTE: The Home Page will identify any important systems messages and key documentation. For example, throughout the reporting parallel period, the FAQ, report inventory, and key contacts will be posted.



The screenshot shows the EREP Home Page. At the top, there is a header with the CME Group logo, 'Enterprise Reporting Portal', and 'Home Page'. A 'Welcome' message and the date 'Tue, September 21, 2010 11:21 AM CDT' are displayed. Below the header, there is a 'Reports' tab highlighted with a blue arrow. A large blue banner at the bottom reads 'Welcome to the CME Group Enterprise Reporting Portal'.

Step 5 The user identifies report search criteria and has access to view the search results and report detail.



Report Date From: To:

Report Id contains

Available Firms

Selected Firms

Buttons: Add >, Add All >>, Remove All <<, Remove <

Buttons: Clear, Search

Search Results Page 1 of 51 | 501 Rows | [Show All](#)

Go To Page: Set Page Length:

| Exchange | Firm | Report Id | Report Name | Date |
|----------|------|------------|--|------------|
| CBT | | ACS200 | FUTURE EXECUTED DETAIL REPORT | 08-27-2010 |
| CBT | | ACS210 | ACS EXECUTING AND CARRYING PERFORMANCE SUMMARY | 08-27-2010 |
| CBT | | ACS330CBT | (ACS) CBT APS TRADES WITH UNASSIGNED GROUPS | 08-27-2010 |
| CBT | | BAPS200 | CBT APS EXECUTED AND ACCEPTANCE DETAIL REPORT | 08-27-2010 |
| CBT | | BCTR1100TL | CBOT DAILY BROKER SUMMARY PERFORMANCE REPORT | 08-27-2010 |
| CBT | | BCTR1250TL | CBOT DAILY FIRM SUMMARY PERFORMANCE REPORT | 08-27-2010 |
| CBT | | BTMS600 | CBT TMS CONTINUOUS EDIT TRADE DETAIL REPORT | 08-27-2010 |
| CBT | | BXTC715 | CBT INTRA DAY RECON OUT TRADES REPORTS | 08-27-2010 |
| CBT | | BXTC720-F | CBT FINAL RECON OUT TRADES REPORTS | 08-27-2010 |
| CBT | | BXTC730OPT | CBT OPTION EXPIRATION OUT TRADES REPORTS | 08-27-2010 |

3.3 What reports are available on EREP?

Data Availability:

- New and existing firm reports will continue to be migrated to EREP as they complete validation. A **Report Inventory** will be provided on the EREP Home Page that identifies the most current list of available and upcoming firm-facing reports.
- Report availability will also be communicated via regular CME Group Clearing Advisory reminders, or can otherwise be confirmed by contacting the project team at erep@cmegroup.com.
- After a report exceeds the online report retention period, clients should continue to contact the CME Group Records Retention Department to retrieve archived reports at historicaldataservices@cmegroup.com.

3.4 When is EREP available?

- EREP (and legacy Infopac and Document Direct) are accessible 24 hours a day, 7 days a week, excluding scheduled system maintenance activities.

4 What features will remain the same in the new reporting system?

4.1 Report Availability

All active firm reports available to users in Infopac will be carried forward to EREP, noting minor exceptions:

- Reports that have been identified as obsolete will not be migrated to the new system.
- Some systems designated their reports to migrate to their own system-specific reports managers.

4.2 User Security and Entitlements

All user security (exchange and firm assignments), permissions, and report profiles are established in EREP similar to their current assignments in Infopac today.

4.3 Report Formatting

Reports should match their current formatting and data as provided within Infopac (ex: headers, attributes, column order, sectioning, font/font size, etc).

4.4 Standard Reporting Features

Multiple legacy reporting systems were reviewed to ensure that users do not lose any of the current features that they rely upon today (ex: Infopac/Document Direct, Member Reporting System). These features continue to be available within EREP (ex: ability to search for or within reports, viewing reports, navigation within reports, exporting to text file/PDF/ZIP, etc).

5 What are new features of the new reporting system?

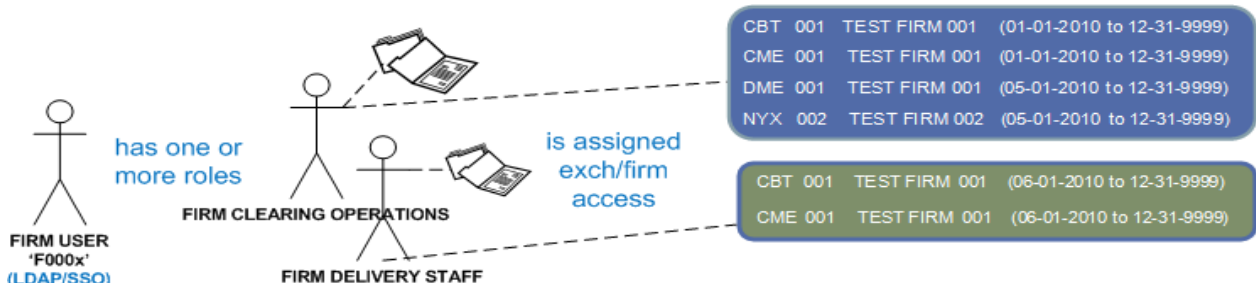
5.1 Single Sign On

EREP features single sign-on (SSO) from the CME Group Portal. Therefore, as you logon to the CME Group Portal and select 'EREP', you will gain immediate access to the system. You are no longer required to maintain a separate ID and password or use a secondary login process to access the reporting system.

5.2 Roles and Report Profiles

EREP uses role-based security, which determines the access level and the privileges to which the user is entitled.

- **Roles** determine the **'what'** the user can see and do within EREP (ex: search for and view reports). Roles identify the **report profile** or group of reports the role has permission to access (ex: 'Firm Clearing Operations', 'Firm Delivery Staff', 'Firm Risk Staff', 'Firm Regulatory Staff', etc).
- **User Security** determines the **'who'** the users can see (ex: assigned exchange/firms and effective dates). User security is multi-exchange, multi-firm, and multi-role capable.
- **NOTE:** Users were migrated to **roles** based on the reports that they *view today* within Infopac. This should ensure all reports available to the user are applicable to their assigned role(s) and exclude any reports that are irrelevant to their work.
- If you do not have a report that you require, please contact the project team at erep@cmegroup.com or CME Clearing Services at 312-207-2525 or ccs@cmegroup.com.



5.3 Report Usability and Navigation

While retaining standard reporting system functionality, new features have been implemented to improve user experience. These include:

- **Report Search** provides various search criteria to target results by report date, report ID, and/or firm.
- **Search Results** are provided within a paginated grid, which includes features such as:
 - **Sorting:** Customize the sort order of report search results by selecting any of the header columns within the Search Results list (ex: exchange, firm, report ID, date).
 - **Navigation:** Use features such as 'First', 'Last', 'Go To', 'Next', 'Previous', 'Set Page Length', and 'Show All'/Paginate' to navigate through the search results.
- **Report Viewer** provides the ability to view the report within text format, download (text, PDF, or ZIP), and navigate within the report. *Some features were excluded per new design and/or low usage (ex: Page Notes, Previous/Next Document).*

Report Search

| | |
|---|--|
| <p>Report Date: Identifies the date that the report was processed. Displays parameters based on the type selected (equals, between, month-to-date, or last month).</p> | <div style="border: 1px solid #ccc; padding: 5px;"> <p>Report Date</p> <p>Last Month <input type="text" value="From: 08-01-2010"/> To: 08-31-2010</p> <ul style="list-style-type: none"> Equals Between Month-to-date Last Month </div> |
| <p>Report ID: <i>Optional.</i> This field allows the user to search for a string of numbers or letters across available report IDs. The system will search for and return any report IDs that <i>contain</i> the string.</p> | <div style="border: 1px solid #ccc; padding: 5px;"> <p>Report Id contains</p> <input type="text" value="test"/> </div> |

Available Firms/Selected Firms
This **Selected Firms** section defaults to select all exchanges and firms based on the users' authorization, but can be customized by using the 'Add', 'Add All', 'Remove' and 'Remove All' options. Users may modify to include any combination of exchange/firms desired within their report search results.

Search Results

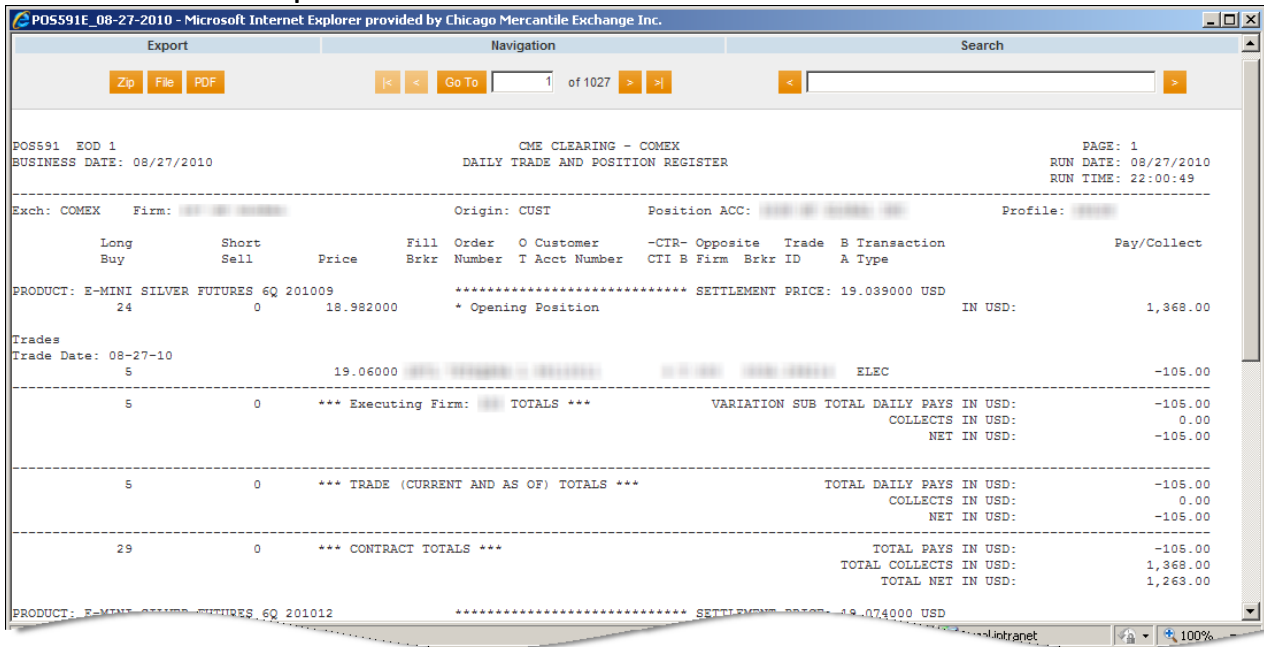
The Search Results display key attributes of the report including the exchange, firm, Report ID, Report Name, and Date. All columns are sortable and include navigation features (Go to, Set Page Length, Show All, Prev, Next).

| Exchange | Firm | Report ID | Report Name | Date |
|----------|------|------------|--|------------|
| CBT | | ACS200 | FUTURE EXECUTED DETAIL REPORT | 08-27-2010 |
| CBT | | ACS210 | ACS EXECUTING AND CARRYING PERFORMANCE SUMMARY | 08-27-2010 |
| CBT | | ACS300CBT | (ACS) CBT APS TRADES WITH UNASSIGNED GROUPS | 08-27-2010 |
| CBT | | SAPS200 | CBT APS EXECUTED AND ACCEPTANCE DETAIL REPORT | 08-27-2010 |
| CBT | | BCTR125DTL | CBOT DAILY FIRM SUMMARY PERFORMANCE REPORT | 08-27-2010 |
| CBT | | BTM5600 | CBT TMS CONTINUOUS EDIT TRADE DETAIL REPORT | 08-27-2010 |
| CBT | | BXTC715 | CBT INTRA DAY RECON OUT TRADES REPORTS | 08-27-2010 |
| CBT | | BXTC720-F | CBT FINAL RECON OUT TRADES REPORTS | 08-27-2010 |
| CBT | | BXTC7300PF | CBT OPTION EXPRATION OUT TRADES REPORTS | 08-27-2010 |
| CBT | | BXTM040R1 | CBT TIERED MATCH ANALYSIS BY CLEARING FIRM (DAILY) | 08-27-2010 |

Report Viewer

After the user selects a line item within the Search Results, a pop-up Report Viewer window opens to display the selected report in text format. From the Report Viewer window, the user has access to the following:

- **Export to Zip, File, or PDF** (including access to Open, Save, and Print based on the parameters defined)
- **Navigate within the Report** (First, Last, Previous, Next, Go To)
- **Search within the report**



| Long Buy | Short Sell | Price | Fill Brkr | Order Number | O Customer T Acct Number | -CTR- Opposite CTI B Firm Brkr ID | Trade B Transaction A Type | Pay/Collect | |
|----------|------------|---|-----------|--------------|--------------------------|-----------------------------------|----------------------------|--|---------|
| 24 | 0 | 18.982000 | | | | | | 1,368.00 | |
| 5 | 0 | 19.060000 | | | | | ELEC | -105.00 | |
| 5 | 0 | *** Executing Firm: [REDACTED] TOTALS *** | | | | | | VARIATION SUB TOTAL DAILY PAYS IN USD: | -105.00 |
| | | | | | | | COLLECTS IN USD: | 0.00 | |
| | | | | | | | NET IN USD: | -105.00 | |
| 5 | 0 | *** TRADE (CURRENT AND AS OF) TOTALS *** | | | | | | TOTAL DAILY PAYS IN USD: | -105.00 |
| | | | | | | | COLLECTS IN USD: | 0.00 | |
| | | | | | | | NET IN USD: | -105.00 | |
| 29 | 0 | *** CONTRACT TOTALS *** | | | | | | TOTAL PAYS IN USD: | -105.00 |
| | | | | | | | TOTAL COLLECTS IN USD: | 1,368.00 | |
| | | | | | | | TOTAL NET IN USD: | 1,263.00 | |

5.4 Report Printing

To print reports, download the file within the selected format (ex: PDF) to access the options to save, print, or mail.

5.5 User Requested Enhancements

Various user requested enhancements were implemented as part of the first release of EREP. These include:

- PDF capability (including PDF features such as print, save, find, zoom, etc).
- Extended time-out/logout
- Improved exporting functions (no time-out, configurable export and print options)
- Report search sorting and navigation features
- Improved report assignment functions via role/report profiles

5.6 Split or Embedded Reports vs. Consolidated Reports

Some reports are currently segregated into two versions of a report per report ID within Infopac. However, EREP currently requires one version of the report to be supported per report ID. For example, the 'ACS200 - ACS Executed and Acceptance Detail Report' offered separate 'executed' and an 'acceptance' detail versions the each report within Infopac. In EREP, this is provided as a consolidated report with two sections.

6 What features are scheduled for upcoming releases?

6.1 Report Packaging and FTP Distribution (EREP 1.1)

Currently, firms receive custom report transmissions that are defined, bundled, and transferred direct to firm FTP servers. This report packaging and file transfer functionality is currently in progress to be delivered in Q1 2011. Firms will continue to rely on their current Infopac report distribution methods until EREP 1.1. production cutover.

6.2 Broker Reporting - Member Reporting System (MRS) Migration (EREP 2.0)

EREP will include member/broker-facing pre-processed reports by Q3/Q4 2011. This will include readiness to decommission the current Member Reporting System (MRS), as all member/broker reporting will be consolidated into EREP.

7 What can I do to assist a smooth transition to EREP?

7.1 Testing Responsibilities

Your participation and input is valuable to ensuring a quality product and a smooth transition to EREP. We greatly appreciate your anticipated involvement and comments, and suggest the following activities throughout the extended UAT period:

- Execute recommended test cases to review and provide feedback on key system features.
- Validate system features meet or exceed similar functionality within legacy Infopac and Document Direct.
- Ensure EREP reports and formatting is consistent with equivalent legacy reports.
- Provide timely feedback on any system defects or concerns as identified to erep@cmegroup.com. Please provide a description of the issue, expected resolution, and any data or screenshots to allow for efficient defect resolution.

7.2 Recommended Test Cases

The following high-level test cases are suggestions to guide user acceptance testing.

| ID | Component | Description |
|---------|------------------|---|
| ERP-001 | Search Reports | Search for reports by search criteria (date, ID, and/or firm(s)). |
| ERP-002 | Search Reports | Validate report search results and features (report list, pagination, sorting, etc). |
| ERP-003 | View Reports | View report detail and report viewer features for select reports. |
| ERP-004 | Search Reports | Search within a report (text strings, navigation, etc). |
| ERP-005 | Extract Reports | Validate report extract and print features (ex: file, PDF, ZIP, print, etc). |
| ERP-006 | Usability | Validate EREP reporting functionality meets acceptable ease of use requirements. |
| ERP-007 | Report Migration | Confirm all firm facing reports are migrated to EREP with appropriate entitlements, exchange availability, and expected report data and formatting (ex: page or section breaks, orientation). |

8 Feedback and Training

- To provide the project team with timely feedback as it relates to this effort, please send an email to erep@cmegroup.com. This email address will be available throughout the reporting parallel period.
- An EREP user guide is available via the link in the top right corner of the application. Formal training sessions are currently planned for Q1 2011 as EREP nears final production cutover and Infopac decommission. If additional training is required before then, please notify the training team at globaloperationseducation@cmegroup.com.