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GWIZ:

Introduction

Overview

The Global Wizard (GWIZ) function allows you to view information about securities that are eligible for DTC processing including:

- Original issuance information: formal issue descriptions, DTC-eligibility data, amounts, and dates of the most recent event activity.
- DTC processing information: information from the GWIZ function that is not included in the original issuance (short description, chills, collateral pricing, payment, and surcharges).
- Agent information: all agents associated with a given security.
- Corporate actions: last 30 corporate action envelopes that were submitted to DTC, with summary, detail, and associated comments (if applicable).
- Distribution announcement information: last 30 dividend or interest payments with summary, detail, and associated comments (if applicable).
- Redemption information: last 30 redemptions that were submitted to DTC, with summary, detail, and associated comments (if applicable).

GWIZ Features

GWIZ has several features that can help you quickly find the information you want. These features include:

- Near-real-time access to information as DTC is notified of an event or an update to an event to ensure that you have to most up-to-date information
- Drop-down menus, options and function selection to help you quickly access the information you need
- Available information displayed clearly and concisely
- Enhanced navigation between GWIZ options, pages, and screen lines.

Navigating through the GWIZ Menu Bar

You can use the menu bar to navigate through GWIZ in the following ways:

- Search: Tab the cursor to this submenu on the menu bar and press ENTER to access the SEEK function
- PF Keys: To access this list, tab the cursor to PF Keys on the menu bar and press ENTER. To select a PF key, type S or X to the left and press ENTER.
- Function: To access this list, tab the cursor to Function on the menu bar and press ENTER. To select a function, type S or X to the left and press ENTER.
- Help: Tab the cursor to Help and press ENTER. You can view help that describes the information on each screen in GWIZ
- Menu: Tab the cursor to Menu and press ENTER. You can access the available options for GWIZ.

Note- GWIZ is a PTS mainframe application that emulates the look and feel of a Windows-based application, but does not function similarly.

When to Use

Use GWIZ to search for event- and summary-related information about a security if you know the **entire** security identifier.

You can use GWIZ in conjunction with the Search Extract Engine by Key (SEEK) function.

SEEK allows you to obtain information by performing one or more of the following search types:

- Generic search: You can type a partial identifier (e. g. , a partial CUSIP number or ticker symbol followed by an asterisk), issuer name description, or a date range to view the new issues that were made DTC-eligible during the last five business days
- Advanced search:
 - Product Filter: You can select a product type to narrow the range of information you see
 - Date and Rate range search: You can type in a date range, interest rate percentage range, or state code.

GWIZ is available Monday through Friday from 7:00 a.m. until 9:00 p.m. and Saturday from 7:00 a.m. until 3:00 p.m. eastern time.

List of Procedures:

Searching for Information

Use this procedure to search for information using Search on the menu bar when you *don't* know an entire CUSIP number or ticker symbol. Search allows you to access the SEEKfunction.

1 Tab the cursor to Search on the menu bar and press ENTER.

Result- The Security Extract Engine By Key-Advanced Search screen appears.

2 Type one or more characters in the **CUSIP** or **Ticker** fields followed by an asterisk (*) and press ENTER.

Note- You can type information in additional fields to narrow the range of information you can view.

3 Press ENTER.

Result- The Securities Extract Engine By Key-Advanced Search screen appears, showing a list of CUSIPs or Ticker symbols.

4 Type S or X to the left of an item you want to use.

5 Tab the cursor to Function on the menu bar and press ENTER.

Result- The Functions List appears.

6 Type S or X to the left of GWIZ and press ENTER.

Result- The GWIZ Main Menu appears, showing the entire CUSIP in the **CUSIP/CINS#** field or the ticker symbol in the **Ticker** field.

Viewing Agent Detail Information

Use this procedure to view the name and address of each agent associated with the security as reported to DTC.

1 Type GWIZ on the Enter Function screen and press ENTER.

Result- The Main Menu appears.

Note- You can also access GWIZ from the Dividend Selection Menu (DIVD) by typing the number to the left of the GWIZ function in the **Enter** Option field.

2 Type information in one of the following unique security identifier fields:

- CUSIP
- Ticker
- Exchange
- Pool ID

3 Type 3 (Agent Listing) in the **Option field and press ENTER.**

Result- The Agent Listing screen appears. This screen shows the name and address of each agent associated with the security as reported to DTC.

Note- You can also access the Agent Listing screen by pressing one of the following PF keys:

- PF4/16 on the Corporate Action screen.
- PF5/17 on the DTC Processing Information screen.

Viewing Corporate Action Information

Use this procedure to view information on corporate actions for a specific security. A corporate action is a security event that was reported to DTC, such as a reorganization or a merger.

1 Type GWIZ on the Enter Function screen and press ENTER.

Result- The Main Menu appears.

Note- You can also access GWIZ from the Dividend Selection Menu (DIVD) by typing the number to the left of the GWIZ function in the **Enter** Option field.

2 Type information in one of the following unique security identifier fields:

- CUSIP
- Ticker
- Exchange
- Pool ID

3 Type 4 (Corporate Actions) in the **Option field and press ENTER.**

Result- The Corporate Actions Summary screen appears, listing activities that occurred or will occur for the specified security.

Note- You can also access the Corporate Actions Summary screen by pressing one of the

following PF keys:

- PF4/16 on the Distribution Announcements screen.
- PF5/17 on the Agent Listing screen.

4 Type X to the left of the activity you want to view and press ENTER.

Result- The Corporate Actions Detail screen appears.

Note- You can also access the Corporate Actions Detail screen by pressing the following PF keys:

- PF4/16 on the Distribution Announcements screen
- PF5/17 on the Agent Listing screen.

5 *Optional.* To view comments entered by DTC, press PF12/24.

Result- The Corporate Actions Comments screen appears.

Viewing Distribution Announcement Information

Use this procedure to view information on distribution announcements for the security you selected on the Main Menu. A distribution announcement includes interest and dividends as reported to DTC.

1 Type GWIZ on the Enter Function screen and press ENTER.

Result- The Main Menu appears.

Note- You can also access GWIZ from the Dividend Selection Menu (DIVD) by typing the number to the left of the GWIZ function in the **Enter** Option field.

2 Type information in one of the following unique security identifier fields:

- CUSIP
- Ticker
- Exchange
- Pool ID

3 Type 5 (Distribution Announcements) in the **Option field and press ENTER.**

Result- The Distribution Announcements appears, listing dividend announcements that will occur or have occurred for the security you selected on the Main Menu.

Note- You can access the Distribution Announcements screen by pressing one of the following PF keys:

- PF4/16 on the Redemption screen.
- PF5/17 on the Corporate Actions Summary screen.

4 Tab the cursor to the left of the function that you want to select, type X, and press ENTER.

Result- The Distribution Announcement Detail screen appears.

Viewing DTC Processing Information

Use this procedure to view information for the security you selected on the Main Menu.

1 Type GWIZ on the Enter Function screen and press ENTER.

Result- The Main Menu appears.

Note- You can also access GWIZ from the Dividend Selection Menu (DIVD) by typing the number to the left of the GWIZ function in the **Enter** Option field.

2 Type information in one of the following unique security identifier fields:

- CUSIP
- Ticker
- Exchange
- Pool ID

3 Type 2 (DTC Processing Information) in the **Option field and press ENTER.**

Result- The DTC Processing Information screen appears, showing information about the processing for that security.

Note- You can also access the DTC Processing Information screen by pressing one of the following PF keys:

- PF4/16 on the Agent Listing screen.
- PF5/17 on the Original Issuance Detail screen.

Viewing Original Issuance Information

Use this procedure to view information on original issuance for a selected security. You can get original issuance information from the initial underwriting, application for DTC eligibility, or the latest DTC event activity (corporate action, distribution, or redemption).

1 Type GWIZ on the Enter Function screen and press ENTER.

Result- The Main Menu appears.

Note- You can also access GWIZ from the Dividend Selection Menu (DIVD) by typing the number to the left of the GWIZ function in the **Enter** Option field.

2 Type information in one of the following unique security identifier fields:

- CUSIP
- Ticker
- Exchange
- Pool ID

3 Press ENTER.

Result- The Original Issuance Detail screen appears.

Viewing Redemption Information

Use this procedure to view information on redemptions for the security you selected on the Main Menu. A redemption is a principal payment on an issuance.

1 Type GWIZ on the Enter Function screen and press ENTER.

Result- The Main Menu appears.

Note- You can also access GWIZ from the Dividend Selection Menu (DIVD) by typing the number to the left of the GWIZ function in the **Enter** Option field.

2 Type information in one of the following unique security identifier fields:

- CUSIP
- Ticker
- Exchange
- Pool ID

3 Type 6 (Redemptions) in the **Option field** and press **ENTER**.

Result- The Redemption screen appears, listing redemptions that occurred or will occur for the security you selected on the Main Menu.

Note- You can access the Distribution Announcements screen by pressing one of the following PF keys:

- PF4/16 on the Original Issuance screen.
- PF5/17 on the Distribution Announcements screen.

4 Tab the cursor to the left of the activity that you want to select, type X, and press ENTER.

Result- The Redemption Detail screen appears.

5 *Optional.* Press PF12/24 to view the Redemption Comments screen, which shows comments entered by DTC.

List of Screens:

Agent Detail

The Agent Detail allows you to view the firm name and address for the various Agents that are involved with the security you selected.

Sample Screen



```
Menu  Function  PFkeys  Help
```



```

Q402/X$V1/2199-99      The Depository Trust Company   MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997   Rate: 6.15000%   Maturity: 01/01/2022
.....Agent Detail.....
DDA Agent:      #99998888 TEST BANK/TEST TR ST PAUL IL/MN/7-(BR BONDS)
                  CORPORATE TRUST DEPT
                  999 E 5TH STREET
                  ST PAUL                      MN   55101
Transfer Agent: # 9999 TEST ENTRY XXXX BONDS
                  55 WATER ST 19TH FL
                  NEW YORK                      NY   10041
Redempt Agent: # 999 XYZ BANK TRUST NATIONAL ASSOCIATION
                  999 EAST 5TH STREET
                  CORP TRUST DEPT 4TH FLOOR
                  ST PAUL                      MN   55101

```

Field Descriptions

Some or all of the fields that appear on this screen depend on what you entered on the Main Menu.

This field	Displays
Menu Bar	<p>Select one of the following commands:</p> <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: view information about the fields on this screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
Agent	<p>The names and identification numbers of the Agents that are registered for this security. The Agents are grouped by function. One or more of the following may appear:</p> <ul style="list-style-type: none"> • DDA Agent: Dividend Disbursing Agent • Paying Agent • Transfer Agent • Tender Agent • Remarketing Agent • Redemption Agent • Issuing Agent • Ex. Custodian Agent.
Name And Address Information	<p>Three lines of information, which include:</p> <ul style="list-style-type: none"> • Specific department (if any) • Street address and floor • City • State

This field	Displays
	<ul style="list-style-type: none"> Zip code.

Function Keys

In addition to the PF keys described in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF4	Scroll to the previous menu option.
PF5	Scroll to the next menu option.

Banner Line Information

Each informational screen in GWIZ displays standard identification information for the security you selected. Once you select a security, this information is displayed across all subsequent GWIZ screens.

Sample Screen

```

Menu  Function  PFkeys  Help
-----
Q402/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997  Rate: 6.15000%  Maturity: 01/01/2022

```

Field Descriptions

These fields appear across all informational GWIZ screens.

This field	Displays
CUSIP	The CUSIP (Committee for Uniform Security Identification Procedures) or CINS (CUSIP International Numbering System) number that you entered on the Main Menu.
Security Description	The security description, which is the formal Issuer name appearing on the Prospectus or Offering Statement that is supplied to DTC during eligibility processing. The Issuer or Issuing Agent may also provide the description if the security does not go through the eligibility process (e. g. , for MBS securities). This information appears below the CUSIP.
Ticker	The unique ticker symbol.
Exchange	The exchange on which the security you want information

This field	Displays
	<p>about is listed. The values are:</p> <ul style="list-style-type: none"> • AMEX: American Stock Exchange • NYSE: New York Stock Exchange.
Pool ID	The identifier applied to mortgage-backed securities.
Cntry/St	The three-digit ISO country code (for non-United States and territory securities) or the two-digit state code for municipal and corporate securities issued in the United States and its territories. This field contains the state code of issuance for municipal securities, and the state code of incorporation for corporate securities.
Type	<p>The type of issue or sub-issue used by DTC to classify a security. The values are:</p> <ul style="list-style-type: none"> • Equity • Common Stock • Convertible Common Stock • Preferred Stock • Convertible Preferred Stock • Tender Rate Preferred Stock • Limited Partnership • CMO Denom in "Units" or "Undivided Interest" • ABS Denom in "Units" or "Undivided Interest" • Issue Denom in "Units" or "Undivided Interest" • Auction Rate Preferred Stock (ARPS) • ADR (American Depositary Receipt) • UND Depository Share • UND Municipal Option Call Right • MMI Preferred Stock (In CP-like mode) • Municipal Bonds • Municipal Notes • Municipal Auction Rate Not (ARN) • Municipal Variable Mode Obligation (VMO) • Municipal Variable Rate Demand Obligation (VRDO) • UND Municipal Insured • MMI Municipal VRDO/CP • MMI Municipal Commercial Paper • Bearer, Callable Zero Coupon Bond • GNMA Remic Securities • GMNA Pass-Through Securities • GNMA Serial Note Securities • Corporate Bond (CB) or Global Corp Bond (GCB) • MMI Bankers' Acceptance Notes (BA) • MMI Institutional Certificate of Deposit • Certificates of Deposit • CPI Interest At Maturity (IAM) Commercial Paper • CPI Discount Commercial Paper (CP) • MMI Corporate Commercial Paper • MTN Medium Term Note • MMI Deposit Note

This field	Displays
	<ul style="list-style-type: none"> • MMI Medium-Term Bank Note • CMO (Collateralized Mortgage Obligations) or Global CMO • ABS (Asset Backed Securities) or Global ABS • MMI Short Term Bank Note • Z CPN Denom In Initial Principal Amt • MMI Discount Note • Corporate Auction Rate Note • Convertible Corporate Debt • Corporate Variable Mode Obligation (CVMO) • Corporate Short Term Note • Corporate Debenture • Corporate Variable Rate Demand Obligation (VRDO) • UND Corporate Insured • Tender Rate Note • Zero Coupon Bond • UND Government Security • Government Trust Certificate • Junk and Treasury Growth Receipt (JGR) • US Treasury Securities • US Treasury Bills • US Treasury Notes • US Treasury Bonds • US Government Agency Securities • PTC Government National Mortgage Association (GNMA) • PTC REMIC (Real Estate Mortgage Investment Conduit) • PTC GNMA Serial Note • Package • Derivative • Options • Warrants • Rights • Mutual Funds • Closed End Fund • Unit • Unit Investment Trust (UIT) • Global Unit Trust
Issue/Dated Date	<p>One of the following dates, in <i>mmddccyy</i> format:</p> <ul style="list-style-type: none"> • <i>Dated Date: the date of issuance and the date on which interest starts to accrue; for debt securities.</i> • <i>Issue Date: the date when the security is released or sold; for equity securities. For MMI-eligible securities the record date is equivalent to the issue date.</i>
Coupon/Interest Rate	<p>The coupon or interest rate. This field does not appear for equity securities. This field is blank for variable interest rate securities or for MMI securities whose rates are proprietary.</p>

This field	Displays
Maturity Date	The maturity date in <i>mmddccyy</i> format. <i>This field is not displayed for equity securities and equity mutual funds.</i>

Corporate Actions Comments Screen

The Corporate Actions Comments screen allows you to view comments on the corporate action detail you are viewing.

Sample Screen

```

PFkeys  Help
Q475/X$V1/2199-99      The Depository Trust Company      MM/DD/CCYY HH:MM ET
                        Data Services Workstation
                        ..... Corporate Actions Comments .....
09/09/99 - THE INFORMATION AGENT TELEPHONE # IS: 212-555-5550 OR 800-555-5555
.
                        MORE INFORMATION TO FOLLOW
.
09/08/99-ELF ACQUITAINE OFFERS TO EXCHANGE ANY AND ALL OUTSTANDING WARRANTS OF
TOTAL FINA FOR ITS WARRANTS. THE BASIS OF EXCHANGE IS 3 WARRANTS OF ELF FOR
EACH 10 WARRANTS OF TOTAL FINA. EACH ELF WARRANT GRANTS ITS HOLDER THE RIGHT
TO PURCHASE TWO ELF AMERICAN DEPOSITARY SHARES AT A PRICE OF $90.00, SUBJECT
TO ADJUSTMENT. THE TERMS AND THE CONDITIONS ARE SET FORTH IN THE EXCHANGE
OFFER PROSPECTUS DATED AUGUST 27, 1999 AND IN THE RELATED LETTER OF
TRANSMITTAL.
.
PARTICIPANTS ARE TO OBTAIN THE EXCHANGE OFFER PROSPECTUS AND THE RELATED
LETTER OF TRANSMITTAL FOR COMPLETE TERMS AND CONDITIONS OF THE OFFER.
.
PARTICIPANTS ARE ADVISED THAT ELF WILL ONLY ACCEPT FOR EXCHANGE A NUMBER OF
TOTAL FINA WARRANTS WHICH IS DIVISIBLE BY 10. PARTICIPANTS ARE TO SUBMIT PTOP
INSTRUCTIONS FOR AMOUNTS DIVISIBLE BY 10 ONLY.
.
THE OFFER WILL EXPIRE AT 5:00 p.m., NYC TIME ON THE EXPIRATION DATE. .
THIS IS AN ATOP I OFFER. PTOP INSTRUCTIONS MAY BE SUBMITTED FROM 8:00 a.m. TO
4:15 p.m., EASTERN TIME.  A) WITHDRAWALS - VIA PTOP FROM 8:00 a.m. TO 5:00 p.m.,
EASTERN TIME.
B) PROTECT SUBMISSION - VIA PTOP FROM 8:00 a.m. TO 5:00 p.m., EASTERN TIME.
C) WITHDRAWALS OF PROTECT SUBMISSION - VIA PTOP FROM 8:00 a.m. TO 5:00 p.m.,
EASTERN TIME (PROTECT SUBMISSION WITHDRAWALS CANNOT BE MADE AFTER DTC'S
EXPIRATION DATE).
D) FULFILLMENT (COVER) OF PROTECT - VIA PTOP FROM 8:00 a.m. TO 4:15 p.m.,
EASTERN TIME.
09/22/99 PLEASE BE ADVISED THAT ELF ACQUITAINE HAS REACHED AN AGREEMENT TO
MERGE WITH TOTAL FINA. IT HAS DETERMINED THAT THE PURCHASE OFFER IS NO LONGER
NECESSARY AND THEREFORE IT HAS BEEN TERMINATED.

```

Field Descriptions

The information that appears on this screen depends on the CUSIP you entered on the Main Menu.

This field	Displays
Date	The date on which the comment was entered.
Comments	The text of the comment.

Corporate Actions Detail Screen

The Corporate Actions Detail screen allows you to view the details of a summary item you selected on the Corporate Actions Summary screen.

You can view detail information for the selected Corporate Action including:

- Offer Type
- Offeror
- Create Date
- Effective Date
- Withdrawal Privilege and Date
- Exercise Price
- Payout Rates and Values
- Agent.

Sample Screen

```

PFkeys  Help

Q474/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : F9212D142  Ticker : TOTWS      Exchange : NYSE
TOTAL FINA S.A 8/5/03      Cntry/St: FR
Type:  Warrant

................................................................Expiration: 08/05/2003
.....Corporate Actions Detail.....
Activity:                TENDER
Offeror:                 ELF AQUITAINE      Offer Type: EXCHANGE
Critical Date:          10/20/1999      Create Date: 09/09/1999
Actual Expiration Date: 10/15/1999
Quantity Sought:       ANY AND ALL OUTSTANDING
Terms and Conditions: 3 ELF WTS FOR EVERY 10 WTS OF TOTAL FINA
Information Agent:     XY KING
                       55 WATER ST
                       NEW YORK                NY  10041
Tender Agent:         REORGANIZATION VOLUNTARY
                       SEE RIPS COMMENTS FOR ACTUAL AGENT
                       NEW YORK                NY  10041

Press PF12 to See Comments...

```

Field Descriptions

Some or all of the following fields will appear, depending on what you selected on the Corporate Actions Summary screen.

This field	Displays
Menu Bar	<p>Select one of the following commands:</p> <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: view information about the fields on this

This field	Displays
	screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
Quantity Sought	The number of securities booked to be tendered or converted.
Bid Offer Min/Max	The election bid offer range.
Payout Value	The value of the cash tender or merger.
Payout Rate	The payout rate for redemptions.
Payout Conversion Rate	The conversion ratio. The conversion ratio is the ratio (generally fixed) at which a convertible security can be exchanged with an underlying security (usually equity).
Adjusted Interest Rate	The new interest rate as required in the notice of redemption.
Terms & Conditions	The terms and conditions of the corporate action.
Effective Date	The date on which the corporate action takes place, in mmddccyy format.
Separation Date	The separation date at which a unit (two or more component securities such as stocks and rights, bonds and warrants) and its components can be separately transferred; for Unit Investment Trusts (UITs) only.
Actual Expiration Date	The expiration date of voluntary reorganization activity, in mmddccyy format.
Meeting Date	The date on which a vote is taken on mandatory reorganizations, in mmddccyy format.
Payment Date	The date on which payment for reorganization activity is due, in mmddccyy format.
Actual Sell End Date	The last date of execution for rights, in mmddccyy format.
Withdrawal Privilege	The rights of the Offeror to withdraw the offer.
Withdrawal Date	The last date on which the instructions can be withdrawn at DTC.
New CUSIP	The CUSIP number of the new security.
Component CUSIP	The CUSIP number of the unit.
Underlying CUSIP	The CUSIP number of the previous CUSIP; for Conversions and Subscription Rights only.
Subscription Price	The purchase price of new stock. For Activity 59 (Rights), this is the fee charged to a Participant for exercising one right.
Subscription Rate	The rights conversion formula. For Activities 59 (Rights), 60, and 61 (Warrants), this is the number of rights needed to buy one full share of stock.
Oversubscription	The price to convert rights above the subscription amount.

This field	Displays
Price	
Maturity Date	<p>One of the following:</p> <ul style="list-style-type: none"> • The date on which DTC processes the principal repayment, in mmddccyy format • The new redemption date for partial prerefunding, in mmddccyy format • The date of the final redemption for securities (for envelopes created 45 days before the actual maturity date on DTC's Master Files), in mmddccyy format.
Comment	<p>Various comments associated with one of the following:</p> <ul style="list-style-type: none"> • Corporate Actions • Distributions • Redemptions • Maturities.
Exercise Price	The price at which warrants can be converted to equities.
Dissenters Rights	The indication of existence of any options for dissenters.
Activity Description	The description that corresponds to the DTC Activity Code field.
Offer Type	The type of DTC corporate activity (tender, merger, etc.).
Offeror	The name of the Issuer undertaking the corporate action.
Agent Information	The name and address of the Agent associated with the corporate action filed at DTC.

Function Keys

In addition to the standard PF keys listed in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF12	Access the Corporate Actions Comments screen.

Corporate Actions Summary Screen

The Corporate Actions Summary screen allows you to view a summary of the corporate actions that occurred for a specific CUSIP. A corporate action is an event reported to DTC that includes:

- Tenders
- Mergers
- Conversions
- Puts

- Proxies.

Sample Screen

```

Menu  Function  PFkeys  Help
Enter 'X' to select
Q402/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : F9212D142  Ticker : TOTWS      Exchange : NYSE
TOTAL FINA S.A 8/5/03      Cntry/St: FR
Type:  Warrant
                                   Expiration: 08/05/2003
.....Corporate Actions Summary.....

   Activity          Num   Status      Critical Date   Remarks
.....
_ 52  TENDER/EXC      01    HISTORY     10/20/1999

```

Field Descriptions

Some or all of the following fields will appear, depending on what you entered on the Main Menu.

This field	Displays
Menu Bar	Select one of the following commands: <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: view information about the fields on this screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
Currency Issue	The three-character ISO Currency Code for the issue.
Currency Income	The currency the income is paid in.
Activity	The Reorg activity code and description.
Num	The envelope sequence number.
Status	The status of the envelope. The values are: <ul style="list-style-type: none"> • Active • History

This field	Displays
	<ul style="list-style-type: none"> Preliminary.
Critical Date	The expiration date of the corporate action decision, in mm/dd/ccyy format.
Remarks	Additional information about the envelope you are viewing.

Function Keys

In addition to the PF keys described in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF4	Scroll to the previous menu option.
PF5	Scroll to the next menu option.

Distribution Announcement Detail Screen

The Distribution Announcement Detail screen allows you to view the details of dividend/interest distributions for a particular security including:

- Declaration Date
- Payable Date
- Record Date
- Ex-Dividend Date
- Cash, cash equivalent, or cash-value-in-lieu rate
- Stock whole or fraction rate
- American Depositary Receipt (ADR) Fee
- Dividend Reinvestment Price
- Withholding Rate.

Sample Screen

```

PFkeys  Help

Q474/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997      Rate: 6.15000%      Maturity: 01/01/2022
.....Distribution Announcement Detail.....
Function:      MUNICIPAL BOND INTEREST
.....Dates.....
Payable:      01/01/2000
Record:      12/15/1999

INTERIM APPLIES: 12/16/1999 - 12/31/1999
.....Rates.....
Cash:      30.750000

Pay Frequency:      SEMI-ANNUALLY

```

Field Descriptions

Some or all of the following fields will appear, depending on the CUSIP number you entered on the Main Menu.

This field	Displays
Menu Bar	<p>Select one of the following commands:</p> <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: View information about the fields on this screen.
Banner Line Information	<p>The information common to all GWIZ screens. See Banner Line Information for further information.</p>
Function Code	<p>A code representing a dividend event. Valid values are one of the following dividend function codes:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 13: Bond Interest • 14: Optional Dividend • 15: Stock • 16: Stock and Cash • 17: Cash • 18: Stock • 19: Stock • 20: Stock • 21: Stock • 23: Municipal Bond Interest • 25: Principal Payment • 30: Dividend Reinvestment • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Declaration Date	<p>The date on which a corporation announces a dividend. This is left blank if the function code is one of the following:</p> <ul style="list-style-type: none"> • 13: Bond Interest

This field	Displays
	<ul style="list-style-type: none"> • 23: Municipal Bond Interest • 25: Principal Payment.
Payable Date	The date of the actual dividend payment.
Record Date	<p>One of the following:</p> <ul style="list-style-type: none"> • The dividend that will be paid to stockholders who are registered owners on the night of the record date • The date on which the shareholder becomes the official holder of record.
Ex Div Date	The market price of the security reduced to reflect the amount of the dividend.
Interim Indicator	<p>A value that indicates whether there is a due bill period. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Cash Rate	<p>The net cash rate. This field will not appear if the function code is one of the following:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible.
Stock Rate (Whole)	<p>The dividend rate payable in whole shares of stock. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 15: Stock • 16: Stock and Cash • 18: Stock • 19: Stock • 20: Stock • 21: Stock.
Stock Rate (Fraction)	<p>The dividend rate payable in fractional shares of stock. This field will not appear if the function code is one of the following:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 15: Stock

This field	Displays
	<ul style="list-style-type: none"> • 16: Stock and Cash • 18: Stock • 19: Stock • 20: Stock • 21: Stock.
Cash Value of a Fractional Split	<p>The dollar equivalent of a fractional share. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 15: Stock • 16: Stock and Cash • 18: Stock • 19: Stock • 20: Stock • 21: Stock.
Cash Equivalent for Stock Dividend	<p>The dollar value of the stated stock dividend. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 14: Optional Dividend • 15: Stock • 16: Stock and Cash • 17: Cash • 18: Stock • 19: Stock • 20: Stock • 21: Stock.
ADR Fee	The servicing fee.
Dividend Reinvestment Price	The dollar value of the dividend reinvestment. This field appears if the function code is 30 (Dividend Reinvestment).
Withholding Amount	<p>The tax rate of income payment on a foreign security. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 13: Bond Interest • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution

This field	Displays
	<ul style="list-style-type: none"> • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Withholding Rate	<p>The tax amount of income payment on a foreign security. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 13: Bond Interest • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Additional CUSIP	<p>The additional CUSIP number for Spin-offs, Splits, or Stock Splits. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 15: Stock • 16: Stock and Cash • 18: Stock • 19: Stock • 20: Stock • 30: Dividend Reinvestment.
Number of Days	<p>The number of days used to calculate interest accrual. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 13: Bond Interest • 23: Municipal Bond Interest • 25: Principal Payment • 43: Special Distribution • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.

This field	Displays
Payment Frequency	<p>The number used in bond interest events. This field appears if the function code is 13 (Bond Interest) or 21 (Stock). Valid values are:</p> <ul style="list-style-type: none"> • 1: Annually • 2: Semi-annually • 3: Quarterly • 8: Monthly • Other: No display.
Arrears Indicator	<p>The arrears payment. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Arrears Payment Balance	<p>The arrears balance owed. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Arrears Payment Starts	<p>The date on which the arrears payment began. This field appears if the function code is one of the following and the Arrears Indicator is Y:</p> <ul style="list-style-type: none"> • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution • 44: Recapitalization

This field	Displays
	<ul style="list-style-type: none"> • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Arrears Payment Ends	<p>The date on which the arrears payment was paid in full. This field appears if the function code is one of the following:</p> <ul style="list-style-type: none"> • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Arrears Payment Cleared Indicator	<p>A value that indicates that the arrears were cleared. If this field equals Y, the message 'Arrears Cleared' appears.</p>
Current Factor	<p>A factor that, when multiplied by the original value of the pool certificate, gives the current month's principal. Interest is then accrued on this amount. This field appears if the subissue type is one of the following:</p> <ul style="list-style-type: none"> • 540: CMO (Collateralized Mortgage Obligations) or Global CMO • 541: ABS (Asset Backed Securities) or Global ABS • 650: PTC Government National Mortgage Association (GNMA) • 651: PTC REMIC (Real Estate Mortgage Investment Conduit) • 652: PTC GNMA Serial Note.
Previous Factor	<p>The factor used before the current period.</p>

Distribution Announcements Screen

The Distribution Announcements screen allows you to view information on summary dividend and interest distribution.

Sample Screen

```

Menu  Function  PFkeys  Help
Enter 'X' to select

```



```

Q402/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997   Rate: 6.15000%   Maturity: 01/01/2022
.....Distribution Announcements.....

  FUNCTION      EX-DIV DT  RECORD DT  PAYABLE DT  SETTLE DT      RATE
.....
_ MUNI INT  -23      12/15/1999 01/01/2000 12/31/1999    30.75000000

```

Field Descriptions

Some or all of the following fields will appear, depending on the CUSIP number you entered on the Main Menu.

This field	Displays
Menu Bar	Select one of the following commands: <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: View information about the fields on this screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
Function Code	A code representing a dividend event. Valid values are one of the following dividend function codes: <ul style="list-style-type: none"> • 02: Stock Split • 06: Stock Dividend • 07: Cash Dividend on Fractional Shares • 08: Cash Dividend on Fractional Shares • 09: Foreign Cash Dividend • 11: Spin-off Eligible • 12: Spin-off Ineligible • 13: Bond Interest • 14: Optional Dividend • 15: Stock • 16: Stock and Cash • 17: Cash • 18: Stock • 19: Stock • 20: Stock • 21: Stock • 23: Municipal Bond Interest • 25: Principal Payment • 30: Dividend Reinvestment • 35: Tax Exempt Dividend • 37: Foreign Cash Dividend Favorable • 43: Special Distribution

This field	Displays
	<ul style="list-style-type: none"> • 44: Recapitalization • 45: Liquidation • 46: Sale of Assets • 47: Redemption of Rights • 49: Capital Gains.
Ex Div Date	The market price of the security reduced to reflect the amount of the dividend.
Record Date	One of the following: <ul style="list-style-type: none"> • The dividend that will be paid to stockholders who are registered owners on the night of the record date • The date on which the shareholder becomes the official holder of record.
Payable Date	The date of the actual dividend payment.
Settlement Date	The date on which the holder of the security received the funds.
Rates	The rate of payout (cash or stock) of the selected security.

Function Keys

In addition to the PF keys described in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF4	Scroll to the previous menu option.
PF5	Scroll to the next menu option.

DTC Processing Information Screen

The DTC Processing Information screen allows you to view information on the status of a CUSIP being processed by DTC. You can also view dividend, interest payment, and/or billing surcharge information. You can view only the information for the security you selected on the Main Menu.

Sample Screen

```

Menu  Function  PFkeys  Help

Q402/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997      Rate: 6.15000%      Maturity: 01/01/2022
.....DTC Processing Information.....
Communication Issue: No      Issue In Reorg Status: No

```

```

Chills: Deposit, COD, W/T
Chill Reason: Book Entry Only Issue
Fee For Less Active Issue: None
Price($100): $97.069
Collateral Haircut: 100% Collateral Price: $.000

```

Field Descriptions

Some or all of the following fields will appear, depending on the CUSIP number you entered on the Main Menu screen.

This field	Displays
Menu Bar	Select one of the following commands: <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: View information about the fields on this screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
DTC Short Description	The short DTC description for the security.
Eligible For FAST WT	A message that indicates if the issue is eligible for DTC's FAST WT service.
Eligible for Dividend Reinvestment	A message that indicates if the CUSIP is eligible for DTC's dividend reinvestment service.
Eligible for Direct Registration Service	A message that indicates if the CUSIP is eligible for DTC's direct registration service.
Eligible for Custody Service	A message that indicates if the issue is eligible for DTC's custody service.
FAST COD &WT	One of the following text messages: <ul style="list-style-type: none"> • Non-FAST: The issue is not eligible for DTC's Fast Automated Securities Transfer (FAST) program. • FAST WT: The issue is eligible for DTC's FAST Withdrawal by Transfer program (WTs) • FAST COD WT: The issue is eligible for DTC's FAST WTs and Certificates on Demand programs

This field	Displays
	(CODs).
FBE Eligible	If the issue is fed book eligible.
Segregation 100 Indicator	<p>A value that indicates whether the issue is a segregated 100 issue. Valid values are:</p> <ul style="list-style-type: none"> • Yes • No.
Communications Issue	<p>A value that indicates whether the issue is a communications issue. Valid values are:</p> <ul style="list-style-type: none"> • Yes • No.
Auto Certification Indicator	<p>A value that indicates whether the issue is eligible for DTC's auto certification program. Valid values are:</p> <ul style="list-style-type: none"> • Yes • No.
Issue in Reorg	<p>A value that indicates whether the issue is undergoing a reorganization. Valid values are:</p> <ul style="list-style-type: none"> • Yes • No.
Chills	<p>The activity codes that apply to issues that were fully called, are maturing, or undergoing a reorganization. Selected transactions are currently unavailable for the security.</p>
Chill Reason	<p>An explanation of each of the activity codes.</p>
Special Deposit Processing Reason	<p>One of the following reasons:</p> <ul style="list-style-type: none"> • Non-Transferable • Temporarily Non-Transferable • Limited Partnership • Multi-Purpose Non-Fungible • Multi-Transfer Agent Non-Fungible.
Indexed Principal	<p>A value that indicates whether the principal is linked to an index. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Fee For Less	<p>The fee basis. If there is no amount, the word 'NONE'</p>

This field	Displays
Active Issue	appears in this field.
Marked For Delete	The message'Marked For Delete As Of [the applicable date]', which indicates that the security will be deleted.
Fractional Shares	A unit of stock that is less than one full share. For example, if a shareholder participates in a dividend reinvestment program and the dividends being reinvested are not enough to purchase a full share at the market price, the shareholder will be credited with a fractional share until enough dividends accrue to purchase one full share.
Non-Transferable Issue	The message'Non Transferable Issue' if the security is non-transferable.
Price (\$000)	The market price at the close of business the previous day for a security.
Collateral Haircut	As part of its risk management controls, DTC reduces the value (haircut) of securities from a market value to protect against price fluctuations in the event of a forced liquidation. Haircuts are represented as a percentage (%).
Collateral Price	The market price multiplied by (1- haircut percentage).
Non-Transferable Status Information	Information about the status of whether a security can be moved or transferred between participants.
Dividend/Interest Payment Information	Information about the status of the dividend/interest payment.
First Payment Type	The month and year the first dividend or interest payment occurs.
First Payment Type	The status of the first payment type. The values are: <ul style="list-style-type: none"> • S: Short • L: Long • Y: Yearly • D: Default • E: Payment Omitted.
Record Date	The date that an issuer of a security temporarily closes its register of holders to those holders that are eligible for a distribution.
Weekend/Holiday Indicator	One of the following that indicates when the dividend or interest payment occurs. The values are: <ul style="list-style-type: none"> • Before • After.
Fixed Rate	The words "Fixed Rate" to indicate that the dividend or interest rate is a fixed rate of the face value of the security.
Cutoff Days	The number of days before cutoff date.
Reason For	The following hard-coded messages that are filled in

This field	Displays
Surcharge	<p>according to the reason:</p> <ul style="list-style-type: none"> • Less Active Issue • T. A. Fee-Bearing Issue • Mail Issue • Book Bond Issue • Out-of-Town Paying Agent • Multi-Purpose Issue • Special Denomination Issue • No CUSIP on Certificate
Basis of Surcharge	The reason for processing charges by DTC for a given security.

Function Keys

In addition to the PF keys described in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF4	Scroll to the previous menu option.
PF5	Scroll to the next menu option.

Function Submenu Information

You can use the Function submenu to access different functions. To access the Function submenu, tab the cursor to it and press ENTER. To access a function, type S or X next to the function you want to use and press ENTER.

Sample Screen

```

Search  Function  PFkeys  Help
+-----+-----+-----+-----+
Q400/QSV | ..... Functions ..... | M/DD/CCYY HH:MM ET
..... | Press PF6/18 to return to the prev screen | .....
      | - DIVD - Dividend Selection Menu
      | - REOG - Reorg Selection Menu
      | - SEEK - Search Securities by Key
..... | .....
      |
      | PF6\PF18-Previous screen  PF10\PF22-Backward
      | PF11\PF23-Forward
+-----+-----+-----+
      |
      | 4. Corporate Actions
      | 5. Distribution Announcements
      | 6. Redemptions

```

Help Submenu Information

You can use the Help submenu to access information about the fields contained on each screen within GWIZ. To access the Help submenu, tab the cursor to it and press ENTER.

Sample Screen

```
PFkeys
Q405/Q$V1/2199-99      The Depository Trust Company      MM/DD/CCYY HH:MM ET
                        Data Services Workstation
..... Original Issuance Detail Help Screen .....

Menu Bar
Select one of the following commands:
* Search: access the SEEK function
* Function: access various functions and menus including DIVD, REOG, and SEEK
* PF Keys: displays a pull-down list of PF keys that you can choose from
* Help: View information about the fields on this screen.

CUSIP
Type the CUSIP (Committee for Uniform Security Identification Procedures) or
CINS (CUSIP International Numbering System) number.
Ticker
Type the unique ticker symbol.
Pool ID
Type the unique identifier that is applied to mortgage-backed securities.
Exchange
Type the exchange on which the security you want information about is
listed. The values are:
* NYSE: New York Stock Exchange

DOWN +
```

Main Menu

The Main Menu allows you to access the various options within the GWIZ service.

Sample Screen

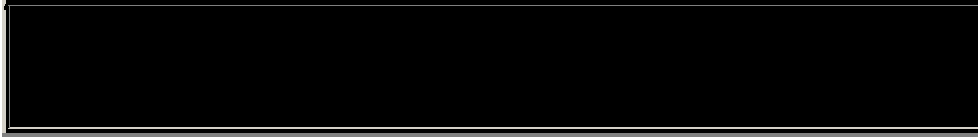
```
Search  Function  PFkeys  Help
Q400/X$V1/0161-40      The Depository Trust Company      03/01/2000 10:45 ET
.....Data Services Workstation.....

CUSIP/CINS # : _____      Pool ID : _____
Ticker       : _____      Exchange : _____

..... Main Menu .....

Option : 01

1. Original Issuance Detail
2. DTC Processing Information
3. Agent Listing
4. Corporate Actions
5. Distribution Announcements
6. Redemptions
```



Field Descriptions

This field	Allows you to
Menu Bar	Select one of the following commands: <ul style="list-style-type: none">• Search: access the SEEK function• Function: access various functions and menus including DIVD, REOG, and SEEK• PF Keys: displays a pull-down list of PF keys that you can choose from• Help: View information about the fields on this screen.
CUSIP	Type the CUSIP (Committee for Uniform Security Identification Procedures) or CINS (CUSIP International Numbering System) number.
Ticker	Type the unique ticker symbol.
Pool ID	Type the unique identifier that is applied to mortgage-backed securities.
Exchange	Type the exchange on which the security you want information about is listed. The values are: <ul style="list-style-type: none">• NYSE: New York Stock Exchange• AMEX: American Stock Exchange.
Option	Select an option within the GWIZ function.

Menu Bar Information

Each screen in GWIZ contains a Menu Bar. Depending upon the screen you are currently accessing, the Menu Bar contains one or more of the following submenus:

- Menu
- Search
- Function
- PF keys
- Help.

You can access each submenu by tabbing the cursor to the submenu, typing S or X, and pressing ENTER.

You can access the information in each submenu by typing S or X next to it and pressing ENTER.

Sample Screen


```

Search  Function  PFkeys  Help
Q400/X$V1/2199-99      The Depository Trust Company      03/01/2000 10:45 ET
.....Data Services Workstation.....

```

Menu Submenu Information

You can use the Menu submenu to access a list of the available options within GWIZ. To access this list, tab the cursor to the submenu, type S or X, and press ENTER. To access a specific option, tab the cursor to the PF key you want to use, type S or X next to it, and press ENTER.

Sample Screen

```

Menu  Function  PFkeys  Help
+-----+-----+-----+-----+
| ..... Menu Options ..... | y  MM/DD/CCYY HH:MM ET
|                             | .....
| Option: __                 |   hange : NYSE
| 1 - Original Issuance Detail |
| 2 - DTC Processing Information |
| 3 - Agent Listing           |
| 4 - Corporate Actions       |
| 5 - Distribution Announcements |
| 6 - Redemptions             |
|                             |
| PF6\PF18-Previous Screen   |
+-----+-----+-----+-----+
Taxable Muni:  NO           Global Issue: NO
SEC 144A:     NO           Rule 3c-7:  NO           Reg S:     NO
Foreign Ordinary Shares Processing: NO
DTC Eligible: 03/31/1980

```

Original Issuance Detail Screen

The Original Issuance Detail screen allows you to view selected standard information depending on information you typed on the Main Menu.

You can view the following if the information is available and relevant:

- Issue description
- Currency of Issue (the currency the security was issued in) and income (the currency the income is paid in)
- Registration and eligibility
- Original issuance
- Redemption feature indicators such as call, put, sinking funds, and prerefunded
- Paying Agent and underwriter
- Initial Public Offering (IPO) tracking
- Restriction indicators that impact ownership of securities such as Rule 144A, Reg S, and Rule 3c7
- Money Market Instrument (MMI) indicators.

Sample Screen

```

Menu  Function  PFkeys  Help

Q402/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997  Rate: 6.15000%  Maturity: 01/01/2022
.....Original Issuance Detail.....
CERTIFICATES OF PARTICIPATION
Currency Issue: USD      Currency Income:      USD
Registration:  BOOK-ENTRY
Redemption Ind: Call: YES      Sinking Fund:      NO
                Put: NO      Prerefunded:      NO
DTC Activity:  Distributions:      01/01/2000
                Redemptions:      01/01/2000
Orig. Issuance: 1,515,000      Offer Price:      $98.738
Accrual Date: 01/01/1997
Pay Frequency: SEMI-ANNUAL
Issuance: ORIGINAL
Underwriter: WXYZ SECURTIES CORP
Taxable: NO      Global Issue: NO
SEC 144A: NO      Rule 3c-7: NO      Reg S: NO
DTC Eligible: 01/27/1997      Prospectus Received: 12/27/1996
  
```

Field Descriptions

Some or all of the fields that appear on this screen depend on what you entered on the Main Menu.

This field	Displays
Menu Bar	Select one of the following commands: <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: View information about the fields on this screen.
Banner Line Information	View the information common to all GWIZ screens. See Banner Line Information for further information.
Issue Description	Up to three lines of issue description information. The description comes from the Prospectus or Offering Statement sent to DTC as part of the eligibility process, or from the Issuer or Issuing Agent for MMI or MBS securities.
Currency Issue	The three-character ISO currency code of the original issuance.
Currency Income	The three-character ISO currency code in which income would be paid for a security.
Registration	The registration status of a security. The values are: <ul style="list-style-type: none"> • Bearer • Book Entry • Interchangeable

This field	Displays
	<ul style="list-style-type: none"> • Fully Registered.
Redemption Indicators	<p>A value that indicates security redemption features that come from the Prospectus, Offering Statement, or Issuing Agent (for MMIs). The values are:</p> <ul style="list-style-type: none"> • Call • Put • Sinking Fund • Prerefunded.
Call	<p>A value that indicates whether the issue is subject to a call redemption. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Put	<p>A value that indicates whether the issue has a put feature. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Sinking Fund	<p>A value that indicates whether a sinking fund provision applies to this security. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Prerefunded	<p>A value that indicates whether an issue has funds that have been put aside to redeem the issue at its earliest call date. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Accrual Date	<p>The date from which interest is accrued for a fixed income security, in <i>mmddccyy</i> format.</p>
Payable Date	<p>The first interest pay date for a fixed income security, in <i>mmddccyy</i> format.</p>
Pay Frequency	<p>The payment frequency for interest. The values are:</p> <ul style="list-style-type: none"> • Annual • Semi-Annual • Quarterly • Monthly

This field	Displays
Minimum Denom	A numeric minimum denomination for trading (typically the number of shares or bonds or the principal amount).
Multiple Denom	A numeric amount of issuance for uniquely denominated securities.
Interest Formula Type	<p>The day formula for calculating interest payments for a fixed income security. The values are:</p> <ul style="list-style-type: none"> • Actual/360 • 30/360 • Actual/365 • 30/365.
Shares Issued	The number of shares initially issued for this security; for equity issues.
Amount Issued	The dollar amount of the issuance; for equity issues.
Offer Price	The original offering share price; for equity issues.
IPO Tracked	<p>A value that indicates whether a lead manager requested IPO tracking for this security. The values are:</p> <ul style="list-style-type: none"> • Yes • No
Start Date	The start date of the IPO tracking, in <i>mmddccyy</i> format.
Underwriter	The firm name of the Underwriter that is supplied to DTC as part of the eligibility process.
Paying Agent	The firm name of the Paying Agent.
Taxable Indicator	<p>A value that indicates whether the security is subject to federal income taxes; for municipal securities only. The values are:</p> <ul style="list-style-type: none"> • Yes • No
Rule 144A	<p>A value that indicates whether a security is issued under SEC Rule 144A as a private placement. The values are:</p> <ul style="list-style-type: none"> • Yes • No
Rule 3C-7	<p>A value that indicates whether a security is relying on the exemption from Section 3 (c.) (7) of the Investment Company Act of 1940. The values are:</p> <ul style="list-style-type: none"> • Yes • No

This field	Displays
Reg S	<p>A value that indicates whether the security is subject to Regulation S of the Federal Reserve Board. The values are:</p> <ul style="list-style-type: none"> • Yes • No
Foreign Ordinary Processing	<p>A value that indicates whether the security is eligible for foreign ordinary processing. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Global Issue	<p>A value that indicates whether the security uses foreign clearance or settlement. The values are:</p> <ul style="list-style-type: none"> • Yes • No
DTC Eligible	<p>The date the security became DTC-eligible, in <i>mmddccyy format</i>.</p>
Prospectus Received	<p>The date that DTC received a Prospectus or Offering Statement for this security, in <i>mmddccyy format</i>.</p>
MMI Features	<p>Indicators that are set by the Issuing Agent. This appears only when the security is an MMI.</p>
Principal Amortize	<p>A value that indicates whether the principal is subject to amortization. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Indexed	<p>A value that indicates whether the interest payments are linked to an index. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Renewable Note	<p>A value that indicates whether a MTN has a renewable feature. The values are:</p> <ul style="list-style-type: none"> • Yes • No.
Interest Step-Up	<p>A value that indicates whether the security has an interest rate step-up feature. The values are:</p> <ul style="list-style-type: none"> • Yes • No.

This field	Displays
Reset	A value that indicates whether the security has a rate reset feature. The values are: <ul style="list-style-type: none"> • Yes • No.
Changeable Payment	A value that indicates whether the security can modify the payment amount or date. The values are: <ul style="list-style-type: none"> • Yes • No.

Function Keys

In addition to the PF keys described in Using The Standard Function Keys, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF4	Scroll to the previous menu option.
PF5	Scroll to the next menu option.

PF Key Submenu Information

You can use this submenu to see a list of the PF keys that are available on any screen within GWIZ. To access this list, tab the cursor to the PF Key submenu, type S or X, and press ENTER. To access a specific PF key, tab the cursor to the PF key you want to use, type S or X next to it, and press ENTER.

Sample Screen

```

Search  Function  PFkeys  Help
-----+-----+-----+
Q400/Q$V1/2199-99  ..... PFkeys ..... MM/DD/CCYY HH:MM ET
.....
CUSIP/CINS         - PF2/PF14  Help
Ticker            - PF8/PF20  End Function
                  - PF9/PF21  Sign Off
                  - Clear     Erase Scrn Data
                  - Exit      PFkeys Screen
Option : 01
1. Press <Enter> to Process
2.
3. Agent Listing
4. Corporate Actions
5. Distribution Announcements
6. Redemptions

```

Redemption Comments Screen

The Redemption Comments screen allows you to view comments entered by DTC about the redemption activity for a particular security.

Sample Screen

```
PFkeys  Help
Q476/X$V1/2199-99      THE DEPOSITORY TRUST COMPANY      MM/DD/CCYY HH:MM ET
                        Glossary Workstation
                        ..... Redemption Comments .....
Date      Comments
12/02/98  PARTICPANTS ARE ADVISED THAT THE ACCRUED INTEREST PER $ 1,000 PA IS
          $2.205481.
          DTC CONTACT: JOHN SMITH 516-555-1212.
11/25/98  DTC ORIGINALLY ALLOCATED THIS PARTIAL CALL WITH A REDEMPTION PRICE
          OF PAR. THE AGENT, ABC BANK, HAS SINCE INFORMED DTC THAT THE
          REDEMPTION PRICE IS PAR + $2.205480 ACCRUED INTEREST PER 1M P.A.
          PARTICIPANTS WILL BE ADJUSTED ON 11/27/98. PLEASE DIRECT ANY
          QUESTIONS TO JOHN DOE AT 212-555-1111.
```

Field Descriptions

Some or all of the following fields will appear, depending on the CUSIP number you entered on the Main Menu.

This field	Displays
Date	The date on which the comment was entered.
Comments	The text of the comment.

Redemption Detail Screen

The Redemption Detail screen allows you to view details about the Agents involved with redemption activities for a particular security.

Sample Screen

```
PFkeys  Help
Q474/X$V1/2199-99      The Depository Trust Company      MM/DD/CCYY HH:MM ET
                        .....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997      Rate: 6.15000%      Maturity: 01/01/2022
                        .....Redemption Detail.....
Activity: MUNICIPAL PARTIAL CALL
Redemption Date: 01/01/2000      Create Date: 12/01/1999
```

```

Principal Rate:          1000.00000
Redeemed Denomination:  30,000
Lottery Type:          ORIGINAL
Bearer Agent:          XYZ BANK TRUST NA
                      999 EAST 5TH STREET /TRUST DEPT
                      CORPORATE TRUST 4TH FLOOR
                      ST PAUL MN 55101

Registered Agent:      XYZ BANK TRUST NA
                      999 EAST 5TH STREET
                      CORP TRUST DEPT 4TH FLOOR
                      ST PAUL MN 55101

Press PF12 to see Comments...

```

Field Descriptions

Some or all of the following fields will appear, depending on the CUSIP number you entered on the Main Menu.

This field	Displays
Menu Bar	Select one of the following commands: <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: view information about the fields on this screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
Activity	DTC's description of the redemption action.
Create Date	The date on which the redemption was entered at DTC, in <i>mm/dd/ccyy</i> format.
Principal Rate	The payment rate expressed as a percentage of redemptions.
Accrued Income Rate	The amount of interest that accrues and is included in the distribution.
Redeemed Denomination	The principal amount that was redeemed.
Lottery Type	The lottery process used to determine which certificates are to be included in a partial redemption.
Agent Listing	The listing of agents that are involved with redemption processing, typically the Bearer and registration agents.
Comments	The comments associated with the redemption.

Function Keys

In addition to the standard PF keys listed in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF12	Access the Redemption Comments screen.

Redemption Summary Screen

The Redemption Summary screen allows you to view redemption information for a CUSIP.

Sample Screen

```

Menu  Function  PFkeys  Help
Enter 'X' to select
Q402/X$V1/2199-99      The Depository Trust Company  MM/DD/CCYY HH:MM ET
.....Data Services Workstation.....
CUSIP/CINS # : 00037ECP9
ABAG FINANCE AUTHORITY FOR NON PROFIT CORPORATIONS      Cntry/St: CA
Type: MUNICIPAL BOND
Issue/Dated Date: 01/01/1997      Rate: 6.15000%      Maturity: 01/01/2022
.....Redemption.....

      Activity Description      Status      Redemption Date
.....
_ 76 MUNI PARTIAL CALLS      HISTORY      01/01/2000
_ 76 MUNI PARTIAL CALLS      HISTORY      01/01/1999
_ 76 MUNI PARTIAL CALLS      HISTORY      01/01/1998

```

Field Descriptions

Some or all of the following fields will appear, depending on the CUSIP number you entered on the Main Menu.

This field	Displays
Menu Bar	Select one of the following commands: <ul style="list-style-type: none"> • Search: access the SEEK function • Function: access various functions and menus including DIVD, REOG, and SEEK • PF Keys: displays a pull-down list of PF keys that you can choose from • Help: view information about the fields on this screen.
Banner Line Information	The information common to all GWIZ screens. See Banner Line Information for further information.
Activity Code	The DTC Activity Code and description.
Status	A value that indicates whether the activity is active or

This field	Displays
	historical. The values are: <ul style="list-style-type: none"> • Active • Historical.
Redemption Date	The date on which the security was partially or fully redeemed.

Function Keys

In addition to the PF keys described in *Using The Standard Function Keys*, you can press one of the following:

This key	Allows you to
PF2	View information about the fields contained on this screen.
PF4	Scroll to the previous menu option.
PF5	Scroll to the next menu option.

Search Submenu Information

You can access the SEEK function by tabbing the cursor to the Search submenu on the Menu bar and pressing ENTER.

Sample Screen

```

Function PFkeys Help
Modify the search criteria or press <Enter> to process
QT01/Q$V1/2199      THE DEPOSITORY TRUST COMPANY      MM/DD/CCYY HH:MM ET
..... Security Extract Engine by Key - Advanced Search .....

Enter one of the following key fields:
CUSIP/CINS #       : 459200101      Pool ID : _____
Ticker            : _____      Exchange: _____
Issuer Name       : _____
New Issues as of:  __ / __ / ____ (Enter an Eligible Date)
..... Additional Filters .....

Enter one or more of the following filters:
Product Type      : __
  1 Equity                    6 Money Market Securities
  2 Funds/Trust              7 Asset-Backed & CMO Securities
  3 Corporate Fixed Income   8 Mortgage-Backed Securities
  4 Government Securities    9 Municipal Securities
  5 Medium-Term Notes       10 All Product Types

Issue/Dated Date: From __ / __ / ____ To __ / __ / ____
Maturity Date   : From __ / __ / ____ To __ / __ / ____
Interest Rate   : From _____ % To _____ %
State Code      : __

```

Messages

You may encounter one of these errors while using the GWIZ function. This list is arranged in alphabetical order.

Message Text	Possible Cause	Suggested Resolution
A TRANSMISSION ERROR HAS OCCURRED; RE-ENTER YOUR DATA	A system problem occurred.	Re-enter your data.
END OF DATA	This message appears if you viewed all your data.	No action needed.
ENTER A SEARCH CRITERION	You must type one of the following criteria on the Main Menu and press ENTER: <ul style="list-style-type: none"> • CUSIP/CINS#: the CUSIP or CINS# • Ticker: the ticker symbol • Issuer Name • Pool ID: the Pool ID for mortgage-backed securities. 	Type one of these criteria and press ENTER to view your data.
ENTER A VALID EXCHANGE ID	You did not type a valid Exchange on the Main Menu.	Enter one of the following in the Exchange field on the Main Menu: <ul style="list-style-type: none"> • AMEX • NYSE.
ENTER A VALID OPTION	You must type a valid option from 1 through 6 in the Option field on the Main Menu.	Type a valid option in the Option field.
ENTER A VALID POOL ID	You did not type a valid Pool ID on the Main Menu.	Type a valid Pool ID on the Main Menu.
ENTER A VALID TICKER SYMBOL	You did not enter a valid ticker symbol or CUSIP in the Ticker field on the Main Menu.	Determine the correct Ticker Symbol or CUSIP and re-enter it.
ENTER ONE SEARCH CRITERION AT A TIME	You cannot type information in more than one field on the Main Menu to perform your search.	Type information in only one field on the Main Menu and press ENTER.
ENTER ONE SELECTION AT A TIME	You cannot type information in more than one field on the Main Menu to perform your search.	Type information in only one field on the Main Menu and press ENTER.
ENTER "X" TO SELECT	You must type X to view detail information from a summary screen.	Type X and press ENTER to view detail information from a summary screen.
FUNCTION NOT AVAILABLE	The GWIZ function is temporarily unavailable.	Try to access the GWIZ later. If it is still unavailable, call DTC's Customer Support Center at 1-(888) 382-2721.
INCOMPLETE INFORMATION DISPLAYED DUE TO ERROR	A system problem occurred.	Call DTC's Customer Support Center at 1-(888) 382-2721.

Message Text	Possible Cause	Suggested Resolution
[PROGRAM NAME AND A CODE]		
INCOMPLETE INFORMATION DISPLAYED, TRY AGAIN LATER [PROGRAM NAME AND A CODE]	A system problem occurred.	Call DTC's Customer Support Center at 1-(888) 382-2721.
INTERNAL SYSTEM ERROR	A system problem occurred.	Call DTC's Customer Support Center at 1-(888) 382-2721.
INTERNAL SYSTEM ERROR DUE TO [PROGRAM NAME AND A CODE]	A system problem occurred.	Call DTC's Customer Support Center at 1-(888) 382-2721.
NO CUSIP/CINS NUMBER WAS SELECTED	This message appears if you access the SEEKfunction to search for CUSIP information and then return to the Main Menu without making a selection.	Press CLEAR to remove the information that you entered on the Main Menu screen (in GWIZ) or press ENTER to return to the SEEK function.
NO COMMENTS AVAILABLE	You pressed PF12 from a Detail screen when there were no comments to view.	Press PF6 to return to the previous screen.
NO FURTHER SCROLLING (BACKWARD)	You tried to scroll backward while on the first screen of data.	Press PF11 to scroll forward.
NO FURTHER SCROLLING (FORWARD)	Your tried to scroll forward while on the last screen of data.	Press PF10 to scroll backward.
PAST CUTOFF TIME	You tried to use the GWIZ function when it was not available.	See <i>When to Use</i> for information about when to use the GWIZ function.
PAST CUTOFF TIME; PRESS THE <ENTER> KEY TO EXIT	You tried to use the GWIZ function when it was not available.	See <i>When to Use</i> for information about when to use the GWIZ function.
PLEASE ENTER OPTION OR PRESS<CLEAR> TO ENTER NEW SEARCH CRITERIA	You must type an option number in the Option field on the Main Menu.	Type an option number in the Option field on the Main Menu.
PRESS A VALID KEY	You did not press a valid PF key contained on a GWIZ screen.	Press a valid PF key.
SELECT A FUNCTION FROM THE LIST	This message appears when you click Function on the Menu Bar.	Select the desired function.
SELECT A PF KEY FROM THE LIST	You must select a PF key from the PF key list on any screen within the GWIZ function.	Select a valid PF key.
THE MENU OPTION IS NOT AVAILABLE	A system problem occurred.	Call DTC's Customer Support Center at 1-(888) 382-2721.
TOP OF DATA	You reached the first screen of data.	Press PF11 to scroll forward.