IBM Tivoli Output Manager for z/OS

User's Guide

Version 3 Release 1

IBM

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> **Note:**
>
> Before using this information and the product it supports, read the information in "Notices" on page 137.

Contents

About this information

This book provides instructions for using IBM® Tivoli® Output Manager for z/OS®. The book is designed to help report users perform the following tasks:

- View and print individual reports
- View and print bundles of reports
- Set preferences for the user interface

For installation information, refer to the *IBM® Tivoli® Output Manager for z/OS Program Directory*, which is included in the product package, and the *IBM® Tivoli® Output Manager Installation and Customization Guide*.

For information on the administration of IBM® Tivoli® Output Manager for z/OS, report administrators, system administrators, security administrators, and database administrators should refer to the *IBM® Tivoli® Output Manager Administrator's Guide*.

Conventions used in this book

This book uses the following highlighting conventions:

- **Boldface type** indicates commands or user interface controls such as names of fields, folders, icons, or menu choices.
- `Monospaced type` indicates examples of text that you enter exactly as shown.
- *Italic type* indicates variables that you should replace with a value. It is also used to indicate book titles and to emphasize significant words.

The following labels identify significant elements within this book:

- **Example:** is used to identify example code or scenarios.
- **Requirement:** identifies a condition that must be met to ensure that the product is functional.
- **Restriction:** is used to identify a restriction or limitation with this product or an associated procedure.
- **Tip:** is used to suggest an action that might simplify a task or improve some aspect of the product.

Specific changes since the previous edition of this book are indicated by a vertical bar (|) to the left of a change. Editorial changes that have no technical significance are not noted.

Terminology used in this book

In this book, IBM Tivoli Output Manager for z/OS is shortened to "Output Manager"where the context makes the meaning clear.

For additional product-related terminology, see the "Glossary" on page 141.

Service updates and support information

To find service updates and support information, including software fix packs,
PTFs, Frequently Asked Question (FAQs), technical notes, troubleshooting
information, and downloads, refer to the following Web page:
http://www.ibm.com/software/tivoli/products/output-mgr/

Receiving information updates automatically

By registering with the IBM My Support service, you can automatically receive a
weekly e-mail that notifies you when new DCF documents are released, when
existing production documentation is updated, and when new product
documentation is available. You can customize the service so that you receive
information about only those IBM products that you specify.

To register with the My Support service.
1. Go to http://www.ibm.com/support/mysupport
2. Enter your IBM ID and password, or create one by clicking **register now**.
3. When the My Support page is displayed, click **add products** to select those
   products that you want to receive information updates about.
4. Click **Subscribe to email** to specify the types of updates that you would like to
   receive.
5. Click **Update** to save your profile.

Where to find information

The IBM Tivoli Systems Management Information Center provides current product
documentation that you can view, print, or download. To locate publications with
the most up-to-date information, refer to the following Web page:

https://www-01.ibm.com/support/knowledgecenter/SSKJLZ_3.1.0/
com.ibm.bjt.doc.v3.1/welcome.html

The main page only lists the Installation and Customization guide. In order to
access the other ITOM product documentation, scroll the "Contents" frame on the
left-hand side until you locate "Output Manager for z/OS." Click the [+] on the left
and you will find the following documents:
- Program Directory
- License Information
- Installation and Customization Guide
- User's Guide
- Administrator's Guide

These documents are presented as a downloadable PDF.

Accessibility features

Accessibility features help a user who has a physical disability, such as restricted
mobility or limited vision, to use a software product successfully. The major
accessibility features in Output Manager enable users to:
- Use assistive technologies such as screen readers and screen magnifier software.
  Consult the assistive technology documentation for specific information when
  using it to access z/OS interfaces.

- Customize display attributes such as color, contrast, and font size.
- Operate specific or equivalent features using only the keyboard. Refer to the following publications for information about accessing ISPF interfaces:
  - *z/OS ISPF User's Guide,* Volume 1, SC34-4822
  - *z/OS TSO/E Primer,* SA22-7787
  - *z/OS TSO/E User's Guide,* SA22-7794

These guides describe how to use ISPF, including the use of keyboard shortcuts or function keys (PF keys). The guides provide the default settings for the PF keys and explain how to modify their functions.

How to send your comments

Your feedback is important in helping to provide the most accurate and high-quality information. If you have any comments about this book or any other Output Manager documentation, send your comments by e-mail to comments@us.ibm.com. Be sure to include the name of the book, the part number of the book, the version of Output Manager, and, if applicable, the specific location of the text that you are commenting on (for example, a page number or table number).

Chapter 1. Introduction to Output Manager

Review these introductory topics to become familiar with Output Manager:
- "What Output Manager does"
- "How end-users view reports and archives" on page 2
- "How users print reports and archives" on page 2
- "Types of reports" on page 3

This book provides instructions intended for the end-users of Output Manager, and is designed to help report users perform the following tasks:
- View and print individual reports
- View and print bundles of reports
- Set preferences for the user interface

For installation information, refer to the *IBM Tivoli Output Manager for z/OS Installation and Customization Guide*. For information on the administration of Output Manager, report administrators, system administrators, security administrators, and database administrators should refer to the *IBM Tivoli Output Manager for z/OS Administrator's Guide*.

What Output Manager does

Output Manager captures SYSOUT from jobs on the spool, stores the SYSOUT on disk, and then transforms the SYSOUT into reports that can be viewed, printed, and distributed to end users. Output Manager has both an ISPF interface and a web browser interface. The ISPF interface is used primarily by administrators; the web interface (ITOMweb) is used primarily by report end users.

Key product features and benefits:
- Provides a full-featured ISPF interface for both report administrators and report end-users
- Provides a web-based interface, ITOMweb, for convenient access to viewing and printing reports, archived SYSOUT, and indexed report pages from a web browser
- Enables report administrators to define custom reports that contain a subset of the SYSOUT and indexed report pages that contain certain index fields
- Enables report administrators to create a bundle of reports, arranged by recipient, and print the bundle as a single output stream
- Supports distribution lists that are composed of report recipients to streamline the distribution of individual reports and to reduce distribution costs
- Performs the automatic printing and distribution of reports, and can perform an entire print run of a report again, if necessary
- Prints reports based on printer attributes and recipient IDs that the report administrator defines
- Prints reports based on "dynamic printing parameters" that Output Manager can capture from the SYSOUT and merge with the printer attributes defined by the report administrator
- Enables users to search for both the reports and the Output Manager administrative definitions that they need to access

- Recalls DFSMShsm-migrated (or equivalent) reports
- Converts reports in third-party archives. CA-View™ and IBM RMDS archives are supported. For more information on additional supported third-party ISV archives, contact your IBM representative or Technical Support.
- Provides security on Output Manager resources by leveraging RACF® (or equivalent security product) profiles by using recipient IDs and distribution lists
- Provides exception reporting during the capture of JES data sets
- Maintains historical information about production reports

How end-users view reports and archives

Report end-users can view archived sysouts, captured basic and custom reports, and indexed report pages (field indexes) from both the Output Manager ISPF interface and ITOMweb. Both interfaces provide search capabilities to help users find the report that they need.

From the main menu of the ISPF interface, specify V.R to list captured basic and custom report instances, or specify V.A to list archived sysouts. You can then use the V (View), B (Browse), or S (Select) line command to view a report or archive.

In ITOMweb, navigate to the page that lists reports of the type that you want to view by clicking on the **Archived SYSOUTs** link, the **Reports** link, or the **Indexed Reports** link on the ITOMweb home page. Some of these links might not be available to you, depending on how the report administrator configured ITOMweb. After you find the report that you want to view, click it to display it.

How users print reports and archives

As a report end-user, you can submit print requests for individual reports from both the ISPF interface and ITOMweb.

From the ISPF interface, you can print a report on an ad-hoc basis. Depending on your printing configuration, the report can then be sent to a printer. You can also set up large print runs of a report for multiple recipients on a distribution list. The ISPF interface provides many printing options that offer much flexibility in configuring printing.

From ITOMweb, you can print a report to the JES spool. When you make a ITOMweb print request, you have the opportunity to specify a few key JCL printing parameters.

ISPF interface printing options

There are several printing options when printing from the ISPF interface.

Local printing
> You can use the P (Print) line command to print a captured report (basic or custom report), an archived sysout, or a set of indexed report pages (field index) for your own use.

Reprinting
> You can issue a reprint line command for a captured report (basic or custom report) or field index to perform a print run for all recipients on the selected distribution list. A reprint request is sent to Output Manager. Output Manager prints the report output to the JES spool for each recipient on the distribution list. Usually, the report output is then sent to a

printer. However, if the report output is not immediately printed, the recipients can use SDSF or an equivalent tool to access the report output; the jobname for the output be the name of the job that produced the report SYSOUT. For a reprint request to succeed, the report administrator must have linked the report definition to a distribution list or selected a distribution list when issuing the reprint command. Also, the Hardcopy option must be set to **Yes** for the distribution list as a whole or for one or more recipients on the list. Usually, reprint requests are performed by report administrators. The following reprint line commands are supported:

ITOMweb printing options

From ITOMweb, report end-users and administrators can print reports and archives.

When you initiate a print request by clicking a print button next to a report listing, ITOMweb displays the Print Settings window. In this window, you can specify several JCL printing parameters such as NAME, BUILDING, FORMDEF, and PAGEDEF. All of these fields are optional: if you do not specify them, your report is printed using the default settings for output on your z/OS system.

- "Printing reports" on page 19
- "Printing archives" on page 10

Types of reports

An understanding of Output Manager reports — what they are, how they are created, and how they are best managed — is critical to successfully implementing Output Manager at your site. Output Manager recognizes the following types of reports:

Basic reports
> *Basic reports* contain an entire SYSOUT that an application produced and that Output Manager captured. The SYSOUT comprises the complete contents of an Output Manager archive.

Custom reports
> *Custom reports* are reports that contain a subset of the SYSOUT (one or more pages that are in the SYSOUT).
>
> Report end-users can view or print custom reports from the ISPF Captured Reports panel (option V.R) or from ITOMweb.

Indexed reports
> *Indexed reports* are reports that contain indexed report pages. Both basic and custom reports can be indexed.
>
> When processing a report, Output Manager compares the captured SYSOUT to the index fields to determine if any report page or pages contain 1) all of the defined index fields and 2) a non-blank value for any index field. If these criteria are met, Output Manager creates a *field index* (an index record) that points to the indexed report page or pages. To view or print these report pages, you must drill down to the Field Indexes panel from either a report definition or a specific indexed report instance.

Undefined reports
> *Undefined reports* are generated by Output Manager when an archived SYSOUT contains pages that do not match the criteria in any custom report definition that is associated with that SYSOUT. If a report is captured but some SYSOUT pages are not included, those pages can be collected in an

undefined report. Undefined reports are helpful in locating errors in report specifications and identifying unreported data.

An undefined report contains all of the pages that will *not* be included in a custom report. That is, it is a collection of unused pages from the archived SYSOUT. The default name for an undefined report is the report name that is specified in the report selection rule.

Chapter 2. The Output Manager ITOMweb user interface

Depending on your authority as defined in the relevant RACF profiles, the following links are displayed on the ITOMweb home page:

Archives
> Click this link to view, print, and search for archived SYSOUTs.

Reports
> Click this link to view, print, and search for reports.

Indexed Reports
> Click this link to view a list of indexed reports to which you have access. A list of field names that were used for indexing in the report is also displayed.

Administrative Reports
> *(Intended for administrators only)*: Click this link to view a list of pre-defined queries and actions that display Output Manager object relationships and database statistics. C

Formatted Views and Filters
> Click this link to create and edit Formatted View definitions. Formatted views allow you to create variations of existing reports. You can also create and associate Filters with a formatted view to hide or display rows that match specified criteria displayed.

Documentation and Examples
> Click this button to display the online help.

Starting ITOMweb

To start ITOMweb, you must obtain a URL from your administrator.

1. Start a web browser, and then enter the ITOMweb URL that your administrator or webmaster gave you.
2. At the password prompt, enter your z/OS user ID and password. The initial ITOMweb home page, configured for your use by your administrator, is displayed.

Working with archives

After clicking the **Archives** link on the ITOMweb homepage, you can view, print, and search for archived SYSOUTs.

Searching for archives

You can specify search criteria to find a specific archived SYSOUT or to filter the list of archives on the **Archive Listing** page.

1. Navigate to the Search Parameters pop-up in one of the following ways:
   - If the **Archive Listing** page is displayed, click the **Search** magnifying glass button at the top of the page.
   - If the ITOMweb home page is displayed, click **Archives**, and then click **Search**. Your server may be configured to open the Search dialog when you click **Archives**.
2. Specify search criteria in one or more of the following fields:

Archive Name

Enter the logical name of the archived report. When capturing and archiving SYSOUT, Output Manager generates logical archive names based on configuration information that the report administrator defined. Wildcards (*) are accepted.

Job Name

Enter the name of the archived job.

Sysout Class

Enter one or more SYSOUT classes to match.

User ID

Search for archives using the archive access list assigned to the specified user ID. Your RACF user ID must have ALTER access to the `BJT.<qualifier>.VIEW.ARCH` facility class.

Job Status

Select a job status by which you want to filter results. Select **Exceptions only** to view only archived SYSOUTs with exceptions. Select **Success only** to view only archived SYSOUTs that have no exceptions. Select **All** to view both archived SYSOUTs with and without exceptions.

Capture date

Search for archives based on the date an archive was created:

- **All** - Do not filter results based on capture date.
- **In the last** *number_of_days* **days** - Specify a number from the list to search for archives that were created in the last n (1-31) days.
- **In the last** *number_of_months* **months** - Specify a number from the list to search for archives that were created in the last n (1-12) months.
- **Range: from** *date1* **through** *date2* - Specify a range of dates between which an archive was created:
  - **From**: Search for archives created on or after this date. Specify the date in the following format: YYYY/MM/DD. Optionally, you can click the **From** field and select a month and day from the pop-up selection display.
  - **Through**: Search for archives created on or before this date. Specify the date in the following format: YYYY/MM/DD. Optionally, you can click the **Through** field and select a month and day from the pop-up selection display.

Capture time

Search for archives based on the time an archive was created:

- **All** - Do not filter results based on capture time.
- **Range: from** *time1* **through** *time2* - List the reports that were captured at and between the times that you specify. The times are in the format HH:MM:SS. The first time value must be earlier than the second time value.

3. To perform the search, click the **OK** button or press Enter. The Archive Listing page is redisplayed and now lists only the archives that match your search criteria.

Viewing and downloading archives

1. Click **Archives** on the ITOMweb home page. The Search Parameters pop-up is displayed.

2. Specify search criteria for the archive, and then press **OK**.

   A list of archived SYSOUTs is displayed. The following columns are displayed on the Archives page:

   ARCNAME
   > The logical name of the archived report. When capturing and archiving SYSOUT, Output Manager generates logical archive names based on configuration information that the report administrator defined.

   ARCHIVE TIME
   > The date and time (YYYY-MM-DD.HH:MM:SS) when the archived SYSOUT was generated. Click this link to view the archived SYSOUT.

   JOBNAME
   > The name of the job that produced the archived SYSOUT.

   CLASS
   > Indicates the JES output class.

   JOBID
   > The job ID of the job that produced the archived SYSOUT.

   COND.CODE
   > The last non-zero condition code for the job or the highest non-zero condition code for a job step.

   PAGES
   > The total number of pages in the archived SYSOUT.

   LINES
   > The total number of lines in the archived SYSOUT.

   MIG STATUS
   > The status of the migration of an archived report, or the status of the procedure for recalling a migrated report. The following list contains the valid values:
   >
   > - **N** - (No) The archived report was not migrated off of DASD and is available for viewing.
   > - **Y** - (Yes) The archived report was migrated off of DASD to DFSMShsm-managed tapes (or equivalent storage). If you click an archived SYSOUT that has the status of **Yes**, Output Manager automatically recalls it.
   > - **G** - (expired) The archived report is not on DASD and was not migrated to other storage
   > - **U** - (unknown) The migration state is unknown.
   > - **S** - (submitted) The recall procedure was submitted.
   > - **F** - (failed) The recall procedure failed.
   > - **V** (foreign archive store) The archived report is in a foreign archive store and was not migrated to Output Manager. When the archive is viewed, a job is submitted to recall the archive.

   Tip: Sortable columns have an arrow icon next to the column name. Click a sort icon to toggle the sort status of that column between ascending and descending.

   Note: If the message "*xxx* items retrieved, more available" is displayed at the top of the results list, the maximum number of items to retrieve was reached. Use search criteria to refine your results set. Your administrator sets this limit with the omweb.conf MAXLISTINGLINES parameter.

3. Locate the archive that you want to view, and click the link in the **ARCHIVE TIME** column. The archive is displayed in the web browser window. The archive data is displayed in the same browser window or in a separate browser window, depending on your preference settings for this page. Scroll to view all of the archive data.

4. Optional: If the archive has a formatted view, select a formatted view from the **View** list.

5. Click the > (right arrow) and < (left arrow) buttons to change pages. The double arrow buttons can be used to jump to the first or last page.

   Tips:
   - You can jump to a specific page by entering a number in the Start box and pressing Enter.
   - The start, end, and total page numbers of the archive are displayed next to the <<, <, >, and >> page navigation buttons.
   - If the archive does not have carriage control, only a portion of the archived SYSOUT is displayed. To see the entire archive, click the **more** link at the end of the page.
   - To search for character strings in an archive, click the **Search for All Occurrences in Archive** button. Search results are displayed with a link to the match location. If you do not want the search to be case-sensitive, uncheck the **Case Sensitive** checkbox.

6. Optional: You can "mark" the pages, or sections of pages, to be printed or downloaded by checking the **Mark Page** and **Mark Range** (start/end) checkboxes. When you click **Download** or **Print**, the marked pages and ranges are automatically populated in the **Range** field of the Download or Print Options pop-up window. Marked ranges are displayed as (Mark Range Start page : Mark Range End page). For example 1:3 prints/downloads pages 1, 2, and 3.
   - **Mark Page**: Check this checkbox to include the current page for printing/downloading. Use this option to mark individual (nonsequential) pages in an archive.
   - **Mark Range Start**: Check this checkbox to specify the first page in a range of pages. Use this option to mark sequential pages in a report.
   - **Mark Range End** : After starting a range by checking the "Mark Range Start" checkbox on a page, the "Mark Range End" checkbox is displayed. Check this checkbox to specify the end of a range of pages.
   - **Cancel Range**: After starting a range by checking the "Mark Range Start" checkbox on a page, the "Cancel Range" checkbox is displayed. Check this checkbox to "unmark" the page that this range started on.

7. Optional: To download the archived SYSOUT, click **Download**. You can download as text, PDF, or CSV.
   a. Choose to download the archived SYSOUT as text, PDF, or CSV by clicking the **Text File**, **PDF**, or **CSV** tab of the Download window.
   b. Specify the download options for that type:
      - **Text File**: Specify whether or not you want to hide carriage control characters, and specify the range of pages to be downloaded.
      - **PDF**: Select the page orientation, page size, font type, font size, LPI (lines per inch), and the range of pages to download.
      - **CSV file**: Choose a delimiter. Specify whether or not to include headers in the CSV file. Specify the range of pages to be downloaded.

8. Click **Next**. Your browser prompts you for download options.

Viewing, printing, or downloading the SYSOUTs for a job associated with an archive

1. Click **Archives** on the ITOMweb home page. The Search Parameters pop-up is displayed.

2. Specify search criteria for the archive, and then press **OK**.

   A list of archived SYSOUTs is displayed.

3. Click the **Action** icon in the left column, next to the name of the archive that you want to view the SYSOUT for, and then select **View SYSOUTs** from the drop-down list of actions. A list of the SYSOUT for that archive is displayed.

   Tip: Alternatively, you can also expand the list of SYSOUTs for a job associated with an archive by clicking the arrow button in the left column.

4. You can click the link in the **DDNAME** column to view the SYSOUT, or click the **Action** button to print, open, or download the SYSOUT.

5. Click the > (right arrow) and < (left arrow) buttons to change pages. The double arrow buttons can be used to jump to the first or last page.

   Tips:

   - You can jump to a specific page by entering a number in the Start box and pressing Enter.
   - The start, end, and total page numbers of the archive are displayed next to the <<, <, >, and >> page navigation buttons.
   - If the archived SYSOUT does not have carriage control, only a portion of the archived SYSOUT is displayed. To see the entire archived SYSOUT, click the **more** link at the end of the page.
   - To search for character strings in an archived SYSOUT, specify search criteria in the **Find** field and click **Find**. Search results are displayed with a link to the match location. If you do not want the search to be case-sensitive, uncheck the **Case Sensitive** checkbox.

6. Optional: You can "mark" the pages, or sections of pages, to be printed or downloaded by checking the **Mark Page** and **Mark Range** (start/end) checkboxes. When you click **Download** or **Print**, the marked pages and ranges are automatically populated in the **Range** field of the Download or Print Options pop-up window. Marked ranges are displayed as (Mark Range Start page : Mark Range End page). For example 1:3 prints/downloads pages 1, 2, and 3.

   - **Mark Page**: Check this checkbox to include the current page for printing/downloading. Use this option to mark individual (nonsequential) pages in an archive.
   - **Mark Range Start**: Check this checkbox to specify the first page in a range of pages. Use this option to mark sequential pages in a report.
   - **Mark Range End** : After starting a range by checking the "Mark Range Start" checkbox on a page, the "Mark Range End" checkbox is displayed. Check this checkbox to specify the end of a range of pages.
   - **Cancel Range**: After starting a range by checking the "Mark Range Start" checkbox on a page, the "Cancel Range" checkbox is displayed. Check this checkbox to "unmark" the page that this range started on.

7. Optional: To download the archived SYSOUT, click **Download**. You can download as text, PDF, or CSV.

   a. Choose to download the archived SYSOUT as text, PDF, or CSV by clicking the **Text File**, **PDF**, or **CSV** tab of the Download window.

   b. Specify the download options for that type:

- **Text File**: Specify whether or not you want to hide carriage control characters, and specify the range of pages to be downloaded.
- **PDF**: Select the page orientation, page size, font type, font size, LPI (lines per inch), and the range of pages to download.
- **CSV file**: Choose a delimiter. Specify whether or not to include headers in the CSV file. Specify the range of pages to be downloaded.

c. Click **Next**. Your browser prompts you for download options.

Printing archives

1. Click **Archives** on the ITOMweb home page.
2. In the list of returned archived SYSOUTs, locate the archived SYSOUT to be printed.

   Tip: To find the archive to be printed, you can click the **Search** button on the Archive Listing page and specify search criteria.
3. Click the Action icon in the left column, next to the name of the archive to be printed, and then select **Print** from the drop-down list of actions. The Print Settings window is displayed.
4. Complete the following fields, as needed, to control how the archive is printed and to include additional information in the output. All fields are optional. If you specify no values (leave the fields blank or accept the default values), the archived SYSOUT is printed using the default values that have been defined for printing JES output on your system.

   Name Type the name of the recipient (a person or location). This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

   Title Type a title to include on the separator pages for the printed archived SYSOUT (for example, "Annual Report"). This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

   Dept Type the name of the recipient's department. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text us highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

   Room Type the identifier for the room in which the recipient is located. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

   Building
   Type the identifier for the building in which the recipient is located. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various

special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Address
Type the recipient's mailing address. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Class Specify the SYSOUT class for the archived SYSOUT data set. This value must be composed of one alphanumeric character (a letter from A through Z or a number from 0 through 9).

Dest Type the name of the the destination for the archived SYSOUT data set. A destination can be a remote or local terminal, a node, a node and remote workstation, a local device or group of devices, or a node and user ID.

Pagedef
Type the name of a member on the z/OS system that contains statements to direct the Print Services Facility™ (PSF) how to print a data set on a page-mode printer. The data set can hold SYSOUT from the spool or be allocated directly to a printer. These statements can indicate:

- The logical page length and width
- Fonts
- Page segments
- Multiple page types or formats
- Lines within a page
- Multiple logical pages on a physical page

This member must be in the library that is named in the cataloged procedure for initializing the PSF or in a library that is specified in the USERLIB parameter.

Formdef
Type the name of a member on the z/OS system that contains statements to direct the PSF how to print a report data set on a page-mode printer such as the 3800 Printing Subsystem Model 3. These statements can indicate:

- Overlay forms to use during printing
- The location on a page where the overlays are to be placed
- Suppressions that can be activated for specific page format

This member must be in the library that is named in the cataloged procedure for initializing the PSF or in a library that is specified in the USERLIB parameter.

Forms Type the name of the form on which the report data set is to be printed or punched. This name can be up to eight characters long and is composed of alphanumeric characters or national characters ($, #, @).

UCS Type the name of the universal character set (UCS) that JES is to use when printing the SYSOUT data set. This value can be up to four characters long.

FCB Type the name of the Forms Control Block (FCB) that JES is to use when printing the SYSOUT data set. This name can be up to four characters long

OPTCD
The default value is blank. The only other valid value for this field is J.

PRMODE
Indicates a printer process mode (Prmode).

TRC Indicate whether the logical records for the report data set contain table reference character (TRC) codes by selecting **Yes** or **No** from the list. A TRC code indicates which font in the **Char arg tbl** field to use for printing a record. Select either **Yes** (include TRC codes) or **No** (do not include TRC codes).

Copies
Specify the number of copies to print. You can specify a number from 0 through 255 (on JES2). The default value of 0 indicates that no copies should be physically printed. Corresponds to the JCL COPIES parameter.

Priority
Specify a print priority value from 0 (lowest priority) to 255 (highest priority). The higher the priority value, the sooner a report is printed.

Writer Type the name of the external writer that is to process the archived SYSOUT data set instead of JES. This name can be up to eight characters in length.

Duplex
Select a duplex mode in which to print the archived SYSOUT. The list includes the following options:
- **No** - Print the archived SYSOUT on one side of the paper only (not duplexed).
- **Normal** - Print the archived SYSOUT on both sides the paper (duplexed), and bind it along the long edge of the paper.
- **Tumble** - Print the archived SYSOUT on both sides of the paper (duplexed), and bind it along the short edge of the paper.

Line count
Type the maximum number of lines that can be printed per page. You can specify a value from 0 through 255. (This field applies to only to JES2 systems.)

Chars Specifies the name of one or more coded fonts for printing SYSOUT on an AFP printer. Corresponds to the CHARS parameter.

Burst Type either YES or NO to indicate whether you want to physically 'burst' reports. This process separates a report into smaller reports based on specific criteria such as branch number.

Flash Type the name of the forms overlay frame to be inserted into the printer before printing the report data set on a 3800 printer. You can specify the name of a specific forms overlay frame. This name can be up to four characters in length and can be composed of alphanumeric characters and national characters ($, #, @). Alternatively, you can specify NONE to suppress flashing for the SYSOUT data set.

Modify

Type the name of a copy-modification module that specifies how to print the SYSOUT on a 3800 printing subsystem. Corresponds to the MODIFY parameter.

Copy grp

Specifies how many copies of each page are to be printed, with a maximum of eight group-values. Each group-value is 1 through 3 decimal values. Each group-value is 1 through 3 decimal numbers, with a valid range from 1 through 255. Corresponds to the COPYG parameter, COPYG=(group-value[,group-value]...). The default for these fields is 0.

Banner

Select a banner from the drop-down list. Banners provide additional information that you want to include in report printouts, for example, delivery instructions.

Page Ranges

Specify the pages, range of pages, or multiple ranges of pages, that are to be printed. This option allows you to specify that only part of the archived SYSOUT is to be printed (partial reprint). You can specify individual pages with a space between each page number, (for example 1 3 5 7), or a range of pages using a colon (for example specifying 1:5 prints pages 1 through 5, inclusive). When specifying a range of pages, the first number must be smaller than the second number.

5. When you are ready to print, click the **OK** button or press Enter. The archive is queued for printing.

Working with reports

After clicking the **Reports** link, you can view, print, and search for reports.

Searching for reports

Specify search criteria to find a specific report or to filter the list of reports on the **Report Listing** page.

1. Click **Reports** on the ITOMweb home page.
2. Click the **Search Reports** button. The search criteria window is displayed.

   Note: Your server may be configured to open the Search dialog when you click **Reports**.

3. Specify search criteria in one or more of the following fields:

   Report name

   Type the name of the report that you are searching for. If you are searching for an 'undefined' report, type the report name that was specified in the report selection rule; for all other reports, type the name as it was defined in the report definition. Wildcards are permitted.

   Tip: As you type in the **Report Name** field, the **Select from list** area is automatically populated with matching report names. When you see the report name that you are searching for, click it to autocomplete the Report Name field. Only the reports that you have access to are listed. If you type the name of a report in the Report Name field and no matching results are displayed in the predictive text Select from list area, the query would return no results and will not be issued.

Description
Type the report description as specified in the report definition. Wildcards are permitted.

Jobname
Type the name of the job that produced the report. Wildcards are permitted.

Tip: As you type in the **Jobname** field, the **Select from list** area is automatically populated with matching job names. Click a job name in this list to autocomplete the **Jobname** field.

User ID
Type the name of the user ID that was used for authentication purposes when you started the ITOMweb (for example, the user ID that you typed at the logon prompt or your TSO user ID).

Note: For most configurations, a read-only value is displayed by default. In this case, you are limited to viewing only the reports for which you are on the distribution list. However, if you have the authorization to change User ID, you can specify a User ID in this field, and then click the **Refresh** button to view the Access IDs allowed for that user.

AccMask
The Access Mask field (read-only) is displayed to provide reference for valid values for your Access ID. If the Access Mask value does not contain wildcards, you cannot change your Access ID.

AccID Select a valid Access ID value from the **Access ID** list. A valid Access ID is derived from the Access Mask. When Access ID is specified, only those reports that are associated with the specified access ID are displayed.

Note: This ID can be changed by the user only if allowed by the associated Access Mask.

Report type
Specify one of the following options to filter results by report type:
- **All** - List basic, custom, and indexed reports (undefined reports are NOT included).
- **Basic** - List only basic reports.
- **Custom** - List only custom reports.
- **Basic and custom** - Lists basic and custom reports.
- **Indexed** - Lists only indexed reports.
- **Undefined** - Lists only undefined reports.

Tip: A basic report contains all data from the captured SYSOUT, whereas a custom report contains a subset of that data.

Capture date
Search for reports based on the date a report was created:
- **All** - Do not filter results based on capture date.
- **In the last** *number_of_days* **days** - Specify a number from the list to search for reports that were captured in the last n days.
- **In the last** *number_of_months* **months** - Specify a number from the list to search for reports that were captured in the last n months.

- **Range: from *date1* through *date2*** - List the reports that were captured on and between the dates that you specify. The dates are in the format YYYY/MM/DD. The first date must be earlier than the second date.

  Tip: Optionally, you can click the **From** and **Through** fields and select a month and day from the pop-up selection display.

Capture time

Search for reports based on the time a report was captured:

- **All** - Do not filter results based on capture time.
- **Range: from *time1* through *time2*** - List the reports that were captured at and between the times that you specify. The times are in the format HH:MM:SS. The first time value must be earlier than the second time value.

4. To perform the search, click the **OK** button or press Enter. The Reports page is redisplayed and now lists only the reports that match your search criteria.

   Note: If a report name populates in the predictive search lists but no results are returned when the query is issued, modify your search criteria. The **Report Name** and **Job Name** lists do not reflect other search criteria. For example, if you select a report named "ACCOUNT1" from the predictive search list, and then specify "in the last 3 days", no results are returned if no reports with that name were captured in the last 3 days.

Viewing and downloading reports

1. Click **Reports** on the ITOMweb home page.

   A list of reports is displayed. The following columns are displayed on the Reports page:

   Report Name

   The report name that the report administrator specified in the report definition or report selection rule.

   TIMESTAMP

   The date and time (YYYY-MM-DD.HH:MM:SS) when the SYSOUT on which the report is based was captured. Click this link to view the report.

   JOBNAME

   The name of the job that produced the report.

   JOBID

   The job ID of the job that produced the report.

   TYPE One of the following report types:

   - **B** - A basic report that contains every page of the captured SYSOUT.
   - **C** - A custom report that contains a subset of the captured SYSOUT (or basic report).
   - **I** - An indexed report that contains every page of the captured SYSOUT. For more information on viewing pages of an indexed report, see "Viewing indexed report pages" on page 17.
   - **U** - An undefined report that contains all the SYSOUT pages that do not match any of the selection criteria in any of the report definitions.

     Note: Undefined reports are only displayed when the results list is filtered by Undefined report type on the Search Reports panel. To

view undefined reports, click the Search Reports button and then select Undefined in the Report Type list.

PAGE COUNT
The total number of pages in the report.

LINE COUNT
The total number of lines in the report.

DESCRIPTION
An optional description for the report, as specified in the report definition.

MIG. STATUS
The migration status of the archived report on which a report is based. Valid values are:

- **N** - (no) the archived report has not been migrated off DASD and is available for viewing.
- **Y** - (yes) the archived report has been migrated off of DASD to DFSMShsm-managed tapes or equivalent storage and needs to be recalled for viewing.
- **G** - (expired) the archived report is not on DASD and has not been migrated to other storage; it is unavailable for viewing.
- **U** - (unknown) the migration state is unknown.
- **S** - (submitted) the recall procedure has been submitted.
- **F** - (failed) the recall procedure failed.
- **V** - (foreign archive store) the report is currently in a foreign archive store and has not yet been migrated to Output Manager. If selected, a job is submitted to recall the report.

If you select a report that has the status of **Yes**, Output Manager automatically recalls the archived report on which the report is based.

Tip: Sortable columns have an arrow icon next to the column name. Click a sort icon to toggle the sort status of that column between ascending and descending.

Note: If the message "xxx items retrieved, more available" appears at the top of the results list, the site-defined limit for the maximum number of items that can be retrieved has been reached. Specify search criteria to further define your results set. Your administrator sets this limit with the omweb.conf MAXLISTINGLINES parameter.

2. To view a basic or custom report, locate the report that you want to view, and click the link in the **TIMESTAMP** column. Alternatively, you can click the Action button in the left column, and then select **Open** from the drop-down list of actions. The report is displayed in your browser.

   Tips:
   - You can jump to a specific page by entering a number in the Start box and pressing Enter.
   - The start, end, and total page numbers of the report are displayed next to the <<, <, >, and >> page navigation buttons.
   - If the SYSOUT that the report is based on does not have carriage control, only a portion of the report is displayed. To see the entire report, click the **more** link at the end of the page.

3. Optional: If you select an indexed report (a report that has an "**I**" value in the **Type** column), the Indexed Report Selection page is displayed.

a. Choose the index value that you want to view from the **Values** list.

b. Click the **Submit** button. All indexed reports with the specified index value(s) and date range are displayed.

4. Optional: You can "mark" the pages, or sections of pages, to be printed or downloaded by checking the **Mark Page** and **Mark Range** (start/end) checkboxes. When you click **Download** or **Print**, the marked pages and ranges are automatically populated in the **Range** field of the Download or Print Options window. Marked ranges are displayed as (Mark Range Start page : Mark Range End page). For example 1:3 prints/downloads pages 1, 2, and 3.

- **Mark Page**: Check this checkbox to include the current page for printing/downloading. Use this option to mark individual (nonsequential) pages in an archive.

- **Mark Range Start**: Check this checkbox to specify the first page in a range of pages. Use this option to mark sequential pages in a report.

- **Mark Range End** : After starting a range by checking the "Mark Range Start" checkbox on a page, the "Mark Range End" checkbox is displayed. Check this checkbox to specify the end of a range of pages.

- **Cancel Range**: After starting a range by checking the "Mark Range Start" checkbox on a page, the "Cancel Range" checkbox is displayed. Check this checkbox to "unmark" the page that this range started on.

5. Optional: To download the report, click the **Download** button. You have the option to download as text, PDF, or CSV.

Note: The downloaded report is displayed in the currently selected formatted view. Select the desired formatted view before clicking the **Download** button. However, because LINEMODE is for viewing the report in your browser, it is not applicable for downloaded reports. If LINEMODE is currently selected, the default view is used.

a. Click either the **Text File**, **PDF**, or **CSV** tab of the Download window, and specify the download options for that type:

- **Text File**: Specify whether or not you want to hide carriage control characters, and specify the range of pages to be downloaded.

- **PDF**: Select the page orientation, page size, font type, font size, LPI (lines per inch), and specify the range of pages to be downloaded.

- **CSV file**: Choose a delimiter, specify whether or not you want to include headers in the CSV file, and specify the range of pages to be downloaded.

b. Click **Next**. Your browser prompts you for download options.

Viewing indexed report pages

Indexed reports are displayed with an "I" value in the **Type** column. When you click an indexed report, you can specify the index values to take advantage of the indexes into specific pages of the report.

1. Click **Reports** on the ITOMweb home page.

The following columns are displayed on the Reports page:

Report Name
> The report name that the report administrator specified in the report definition or report selection rule.

TIMESTAMP
> The date and time (YYYY-MM-DD.HH:MM:SS) when the SYSOUT on which the report is based was captured. Click this link to view the report.

JOBNAME

The name of the job that produced the report.

JOBID

The job ID of the job that produced the report.

TYPE One of the following report types:

- **B** - A basic report that contains every page of the captured SYSOUT.
- **C** - A custom report that contains a subset of the captured SYSOUT (or basic report).
- **I** - An indexed report that contains every page of the captured SYSOUT.

PAGE COUNT

The total number of pages in the report.

LINE COUNT

The total number of lines in the report.

DESCRIPTION

An optional description for the report, as specified in the report definition.

MIG. STATUS

The migration status of the archived report on which a report is based. Valid values are:

- **N** - (no) the archived report has not been migrated off DASD and is available for viewing
- **Y** - (yes) the archived report has been migrated off of DASD to DFSMShsm-managed tapes or equivalent storage and needs to be recalled for viewing
- **G** - (expired) the archived report is not on DASD and has not been migrated to other storage; it is unavailable for viewing
- **U** - (unknown) the migration state is unknown
- **S** - (submitted) the recall procedure has been submitted
- **F** - (failed) the recall procedure failed

If you select a report that has the status of **Yes**, Output Manager automatically recalls the archived report on which the report is based.

Tip: Click a column name to toggle the sort status of that column between ascending and descending order.

2. Click the **Timestamp** link of the indexed report to be viewed. The Indexed Report Selection page is displayed.

3. The following fields are displayed on the Indexed Report Selection page:

- *Index*: The names of the index fields in the indexed report are displayed on the left. An indexed report definition can specify from one to eight index fields. Each combination of index values (one row) represents a report page or set of pages from a captured, indexed report instance. Choose a value from one or more of the dropdown lists.
- **Values**: The possible values for the displayed index field.
- **Matches**: Specify the beginning character string of an index value to narrow down the index values displayed in the **Values** list (wildcards (*) are supported). If the maximum number of index values allowed by your configuration is reached, all possible values may not be displayed in this list. Specify "starts with" criteria to reduce the number of possible values, then click **Refresh Index Choices** to refresh the list of choices in the **Values** list.

> **Note:** To improve performance, your administrator sets the maximum number of index values returned to this drop down list. If you receive a Maximum Value warning message, use the **<<**, **<**, **>**, and **>>** buttons to scroll through the list of index values.

4. Select the index value to be viewed from the **Values** list for each index field.

5. Click **Submit**. All indexed reports with the specified index value(s) and date range are displayed. You can view the section that contains the specified index value by clicking the page number link in the **SCTN. START PAGE** column, the section is automatically marked for print/download.

> **Note:** Click **To List** to return to the previous page.

Viewing AFP documents

You view AFP documents by selecting **AFP** from the **View** list when browsing a report.

In order to view AFP documents in ITOMweb, your browser must support AFP viewing. To add AFP viewing support to your browser, download the RICOH InfoPrint (TM) Windows AFP Viewer Plug-in from the RICOH InfoPrint website. At the time of this publication, the plug-in is available at the following web address: http://www.infoprintsolutionscompany.com/internet/dcfdata.nsf/vwWeb/P4000233.

1. Click **Reports** on the ITOMweb home page.

2. Locate the report to be viewed.

   Tip: You can specify search criteria to find the report you want to view.

3. Click the link in the **TIMESTAMP** column to open the report. The raw data is displayed because **View** is set to **NoCC**. You must change the view to view the report in AFP.

4. Select **AFP** from the **View** list. The report or archive is displayed in the AFP viewer.

   Note: If the report has already been converted for a previous request, the previous result is downloaded to the browser. If the report has not yet been converted, the conversion step may take a moment.

Printing reports

1. Click **Reports** on the ITOMweb home page and then locate the reports to be printed.

   Tip: To find the report that you want to print, you can click the **Search** button and specify search criteria.

2. Print the report:

   - From the Report Listing results page, click the Action icon in the far left column, next to the name of the report that you want to print, and select **Print** from the drop-down list of actions.

   - Alternately, you can click the link in the TIMESTAMP column to view the report, and mark specific pages to be printed. The **Print** button is on the top right corner of the Report Viewing page.

3. Specify values in the following fields, as needed, to control how the report is printed and to include additional information in the output. All fields are optional. If you specify no values (if you leave the fields blank or accept the default values), the report is printed using the default values that have been defined for printing JES output on your system.

   Name   Type the name of the recipient (a person or location). This value can be

up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Title   Type a title to include on the separator pages for the printed report (for example, "Annual Report"). This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Dept   Type the name of the recipient's department. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Room   Type the identifier for the room in which the recipient is located. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Building
Type the identifier for the building in which the recipient is located. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Address
Type the recipient's mailing address. This value can be up to 60 characters in length. It can be composed of alphanumeric characters, national characters ($, #, @), and various special characters. If an invalid character is specified in this field, the field text is highlighted in red and a message box appears indicating the name of the field in error along with a list of valid characters.

Class   Type the name of the SYSOUT class for the report data set. This value must be composed of one alphanumeric character (a letter from A through Z or a number from 0 through 9).

Dest   Type the name of the destination for the report data set. A destination can be a remote or local terminal, a node, a node and remote workstation, a local device or group of devices, or a node and user ID.

Pagedef
Type the name of a member on the z/OS system that contains statements to direct the Print Services Facility (PSF) how to print a data set on a page-mode printer. The data set can hold SYSOUT from the spool or be allocated directly to a printer. These statements can indicate:

- The logical page length and width

- Fonts
- Page segments
- Multiple page types or formats
- Lines within a page
- Multiple logical pages on a physical page

This member must be in the library that is named in the cataloged procedure for initializing the PSF or in a library that is specified in the USERLIB parameter.

Formdef

Type the name of a member on the z/OS system that contains statements to direct the PSF how to print a report data set on a page-mode printer such as the 3800 Printing Subsystem Model 3. These statements can indicate:

- Overlay forms to use during printing
- The location on a page where the overlays are to be placed
- Suppressions that can be activated for specific page format

This member must be in the library that is named in the cataloged procedure for initializing the PSF or in a library that is specified in the USERLIB parameter.

Forms Type the name of the form on which the report data set is to be printed or punched. This name can be up to eight characters long and is composed of alphanumeric characters or national characters ($, #, @).

UCS Type the name of the universal character set (UCS) that JES is to use when printing the SYSOUT data set. This value can be up to four characters long.

FCB Specify the Forms Control Block (FCB) name that JES is to use when printing the SYSOUT data set. This name can be up to four characters long

OPTCD

The default value is blank. The only other valid value for this field is J.

PRMODE

Indicates a printer process mode (Prmode).

TRC Select **Yes** or **No** from the list to indicate whether the logical records for the report data set contain table reference character (TRC) codes. A TRC code indicates which font in the **Char arg tbl** field to use for printing a record. Select either **Yes** (include TRC codes) or **No** (do not include TRC codes).

Copies

Specify the number of copies to print. You can specify a number from 0 through 255 (on JES2). The default value of 0 indicates that no copies should be physically printed. Corresponds to the JCL COPIES parameter.

Priority

Specify a print priority value from 0 (lowest priority) to 255 (highest priority). The higher the priority value, the sooner a report is printed.

Writer Type the name of the external writer that is to process the report data set instead of JES. This name can be up to eight characters in length.

Duplex

Select the duplex mode in which to print the report. The list includes the following options:

- **No** - Print the report on one side of the paper only (not duplexed).
- **Normal** - Print the report on both sides the paper (duplexed) and bind it along the long edge of the paper.
- **Tumble** - Print the report on both sides of the paper (duplexed) and bind it along the short edge of the paper.

Line count

Type the maximum number of lines that can be printed per page. You can specify a value from 0 through 255. (This field applies to only to JES2 systems.)

Chars Specifies the name of one or more coded fonts for printing SYSOUT on an AFP printer. Corresponds to the CHARS parameter.

Burst Type either YES or NO to indicate whether you want to physically 'burst' reports. This process separates a report into smaller reports based on specific criteria such as branch number.

Flash Type the name of the forms overlay frame to be inserted into the printer before printing the report data set on a 3800 printer. You can specify the name of a specific forms overlay frame. This name can be up to four characters in length and can be composed of alphanumeric characters and national characters ($, #, @). Alternatively, you can specify NONE to suppress flashing for the SYSOUT data set.

Modify

Type the name of a copy-modification module that specifies how to print the SYSOUT on a 3800 printing subsystem. Corresponds to the MODIFY parameter.

Copy grp

Specify how many copies of each page are to be printed, with a maximum of eight group-values. Each group-value is 1 through 3 decimal values. Each group-value is 1 through 3 decimal numbers, with a valid range from 1 through 255. Corresponds to the COPYG parameter, COPYG=(group-value[,group-value]...). The default for these fields is 0.

Page Ranges

Specify the pages, range of pages, or multiple ranges of pages, that are to be printed. This option allows you to specify that only part of the report is to be printed (partial reprint). You can specify individual pages with a space between each page number, (for example 1 3 5 7), or a range of pages using a colon (for example specifying 1:5 prints pages 1 through 5, inclusive). When specifying a range of pages, the first number must be smaller than the second number.

4. When you are ready to print, click the **OK** button or press Enter. The report is queued for printing.

Finding a string of characters within a selected report or archive with Advanced Find

The Advanced Find feature of ITOMweb allows you to find a string of characters within a selected report or archive. Advanced find supports column, page range, and match case search criteria, and can display search results in context with page links.

1. From the ITOMweb home page, navigate to either the reports page or the archives page by clicking either **Reports** or **Archives** , respectively

2. Locate the report or archive to be viewed, and click the link in the **TIMESTAMP** column. The report or archive is displayed in your browser.

3. Click the **Search for All Occurrences** button.

4. In the Advanced Find window, specify the following:

   - **Search string**: Type the string of characters to find within the report or archive.

   - **at Column**: Type the column number at which to search for the specified string of characters. ITOMweb searches for the first character of the search string in this column and only returns results that match the specified character in this column.

   - **in page range**: If you specify a range of pages in this field, only results that match the Advanced Find search criteria within the specified page range are returned. Results matched outside of this page range are not included in the results.

   - **Match case**: If this checkbox is selected, only results that match the exact case of the string in the Search string field are returned.

   - **Find First Match**: If this checkbox is selected, the search stops after the first occurrence of the Search String is found.

   - **Exclude all other records**: If this option is selected, only the matched results are displayed.

   - **Show context and page links**: If this option is selected, the row preceding the matched row and the row following the matched row are displayed. Additionally, a link to the matched results in context of the report or archive is included.

5. Click **Search**. A list of the matched results is displayed.

Working with indexed reports

After clicking the **Indexed Reports** link, you can view a list of indexed reports that you have access to, along with a list of field names that were used for indexing in the report. Click on a report name to open the index search page.

Viewing indexed report pages

Indexed reports are displayed with an "I" value in the **Type** column. When you click an indexed report, you can specify the index values to take advantage of the indexes into specific pages of the report.

1. Click **Indexed Reports** on the ITOMweb home page.

   The following columns are displayed on the Reports page:

   Report Name
   > The report name that the report administrator specified in the report definition or report selection rule.

Indexed Fields

The indexes defined for the report.

2. Click the **Report Name** link of the indexed report to be viewed. The Index Value Query page is displayed.

   Note: You can filter the list of report names using the **Report Name** search field. Wildcards (*) are accepted.

3. The following fields are displayed on the Indexed Report Selection page:

   - *Index*: The names of the index fields in the indexed report are displayed on the left. An indexed report definition can specify from one to eight index fields. Each combination of index values (one row) represents a report page or set of pages from a captured, indexed report instance. Field 1 must contain a nonblank value. The other index fields (Field 2 through Field 8) can contain either a blank or a nonblank value.

   - **Values**: The possible values for the displayed index field.

   - **Matches**: Specify the beginning character string of an index value to narrow down the index values displayed in the **Values** list (wildcards (*) are supported). To improve performance, your administrator sets the maximum number of index values returned to this drop down list. If you receive a Maximum Value warning message, use the **<<**, **<**, **>**, and **>>** buttons to scroll through the list of index values. You can also specify "starts with" criteria to reduce the number of possible values, then click **Refresh Index Choices** to refresh the list of choices in the **Values** list.

   - **Date**:
     - **All** - Do not filter results based on capture date.
     - **In the last** *number_of_days* **days** - Specify a number from the list to search for reports that were captured in the last n days.
     - **In the last** *number_of_months* **months** - Specify a number from the list to search for reports that were captured in the last n months.
     - **Range: from** *date1* **through** *date2* - List the reports that were captured on and between the dates that you specify. The dates are in the format YYYY/MM/DD. The first date must be earlier than the second date.

       Tip: Optionally, you can click the **From** and **Through** fields and select a month and day from the pop-up selection display.

4. Select the index value to be viewed from the **Values** drop-down list for each index field.

5. Click **Submit**. All indexed reports with the specified index value(s) and date range are displayed. You can view the section that contains the specified index value by clicking the page number link in the **SCTN. START PAGE** column, the section is automatically marked for print/download.

   Note: Click **To List** to return to the previous page.

Working with formatted views

Formatted views allow you to create variations of existing reports.

For example, if you have an existing report named "Bank Sample Report" that contains the field "Customer Name", you can use Formatted Views to create an alternate 'view' of the report, with all of the customer names hidden.

You can also create and associate Filters with a formatted view to hide or display rows that match specified criteria displayed.

A Formatted View is a named object (View Name) which you associate with a particular Archive Name.

Note: In order to enable this feature, your report administrator must have the following records included in the omweb.conf file:

```
USEFORMATTEDVIEWS=TRUE
EDITVIEWS=TRUE
```

Formatted view example:

The following is an example of a formatted view that hides the "customer name" column of an archive named PDBICEBPR01.

```
Customer name      Time       Action      Account      Amount
Susan Smith        08:02:3206 Withdrawal  Savings      $      45.00
Bob Heep           08:03:5670 Withdrawal  Checking     $    7896.00
Hal Simpson        08:05:4076 Deposit     Checking     $     455.78
Jody Faust         08:08:3065 Deposit     Savings      $   23444.89
Michelle Fall      08:09:7896 Transfer    Money Market $     633.98
```

In this example, the "Customer Name" column begins at position 2 and is 18 characters wide. There are a number of different ways to "remove" the Customer Names from this view, but the easiest would be to display only columns 20 through end of line.

The following formatted view definition trims off carriage control, skips the first page and skips the first 19 rows of each subsequent page:

```
View Name                   [BANKview1   ]
Report/Archive Name         [PDBICEBPR01 ]
Description                 [            ]
Pages To Skip              [1           ]
Lines To Skip (On Each Page) [19         ]
Use As Default             [ ]
Show Carriage Controls     [ ]
Filter                     [NoFilter    ]
```

To hide the "Customer Name" column in this view, click the **New column** button in the **Column definitions** section, and specify the following values:

```
Type         [EXTRACT FROM LINE]
SourceColumn [20               ]
SourceLength [60               ]
Text         [                 ]
```

Filter example:

In this example, you're creating a filter named Bank-Checking that displays only transactions that were made against checking accounts, and then linking that filter to a formatted view named BANKview1. After clicking the **New** button next to the **Filter** list on the **Edit Formatted Views and Filters** page, you would specify the following values in the **General Properties** fields:

```
Filter Name    [Bank-Checking ]
Description    [              ]
StartLine      [0             ]
EndLine        [0             ]
Disposition    [INCLUDE       ]
Specification [@{46}Checking ]
```

After defining the filter, you must link the filter to a formatted view, BANKview1. Return to the **Edit View Configurations** page, select BANKview1 from the **Formatted Views** list, and click the **Edit** button. Locate the filter, Bank-Checking in

the **Filter** list, and click **Save**. The formatted view BANKview1 is now associated with the Bank-Checking filter. Now, if you view the archive and can select BANKview1 from the **View** list, only the transactions that were made against checking accounts are displayed.

Defining a formatted view

Create or edit a formatted view definition by clicking on the **Formatted Views and Filters** link on the ITOMweb homepage.

1. Click **Formatted Views and Filters** on the ITOMweb home page.
2. Click **New** in the Formatted View row. Three sections are displayed: **General Properties**, **Page header Definition**, and **Column Definitions**.
3. Specify values in the following **General Properties** fields:
   - **View Name**: Type the name that you want to use to refer to this formatted view.

     Restriction: The following formatted view names are not allowed: NoCC, UnformattedView, and LineMode. These names are reserved for ITOMweb default views.
   - **Archive Name**: Type the name of the Archive that this formatted view applies to.

     Note: You can specify up to one wildcard anywhere in the archive name. For example, ABC* or AB*C.
   - **Report Name**: Type the name of the Report that this formatted view applies to.

     Note: You can specify up to one wildcard anywhere in the report name. For example, ABC* or AB*C.
   - **Description**: Optional, type a description of what the view is used for.
   - **Pages to Skip**: Enter the number of pages that should be excluded from the Archive when it is displayed through this Formatted View. The default is zero "0" - do not skip any pages.
   - **Lines to Skip (on each page)**: Enter the number of lines that should be skipped from the top of each page. The default is zero "0" - do not skip any lines.
   - **Use as default**: Checkbox indicating whether or not this formatted view should be used as the default view each time the specified Report/Archive Name is opened. When this option is checked, the formatted view is used as the default view.
   - **Show Carriage Controls**: Checkbox indicating whether or not carriage control characters should appear when this Formatted View is applied. Select this option if you want to see carriage control characters when this Formatted View is applied.
   - **Filter**: Select a filter from the list to apply a defined filter view to this formatted view. For more information on filters, see "Adding a filter to a formatted view" on page 27. Select **No Filter** if you do not wish to associate a filter with this formatted view.
4. Click the **New Header** button in the **Page Header Definition** section, to specify Page Header Definition values. Use Page Headers if you want to change or augment the heading rows that appear on the top of each page. This does not change the data, it simply allows you to specify different page headings than the actual report data might contain. Page Header Definition fields include:
   - **Type**: Select the type of Header row that you are defining:

- – WHOLE LINE - Populate the Header row with an entire line of an existing report.
- – LITERAL TEXT - Type your own character string on the Header row.
- – EXTRACT FROM LINE - Populate the Header row with an extracted portion of the existing report line.
- **SourceLine**: Line number from existing report (this field is for EXTRACT FROM LINE header types).
- **SourceColumn**: Column number within existing report (this field is for EXTRACT FROM LINE header types).
- **SourceLength**: Number of characters to include. For LITERAL TEXT header types, the SourceLength maximum is 133.
- **Text**: User defined character string used as LITERAL TEXT (this field is for LITERAL TEXT header types only).
- **TargetLine**: Perceived output display line when this Formatted View is used.

To specify more than one page header definition, click the **New Header** button again, and specify page header definition values for the new header.

5. Click the **New column** button in the **Column definitions** section to change, hide and/or rearrange how the report data appears on the screen when this formatted view is in use. Column definition fields include:
   - **Type**: Select the type of column you are defining:
     - – LITERAL TEXT - Use to place your own character string on the display for this Formatted View.
     - – EXTRACT FROM LINE - Use this to extract a portion of the existing report data to populate this column.
   - **SourceColumn**: Column number within existing data.
   - **SourceLength**: Number of characters to include (column width).
   - **Text**: User-defined character string used as LITERAL TEXT.

   To specify more than one column definition, click the **New column** button again, and specify page column definition values for the new column.

   Note: Once you have added a column, you can move it up and down the column order list by clicking the **Up** and **Down** buttons for each column. To delete a column, press the **Delete** button next to that column.
6. Click the **Save** button. Your new View Definition is saved.

Adding a filter to a formatted view

Once you have created a formatted view, you can add a filter to it. Filters allow you to view reports with only rows that match specified criteria displayed. For example, you can create a filter that only displays transactions that were made against checking accounts.

1. Click **Formatted Views and Filters** on the ITOMweb home page.
2. Click the **New** button in the **Filters** row.
3. Specify values in the following fields:
   - **Filter Name**: Type the name of the filter. This name is displayed in the **Filter** list of the Formatted View page.
   - **Description**: Type a description of the filter.
   - **StartLine**: The line on which the filter starts.
   - **EndLine** The line on which the filter stops.

- **Disposition**: Select INCLUDE or EXCLUDE from the list to specify whether or not the filter displays the specified data.
- **Specification**: Specify the column number and value in the following syntax: [@{*46*}*Checking*], where *46* is the look-at column for the word '*checking*'.

  Filter Specification syntax is:
  - ABC: matches "ABC"
  - @{*n*}: jump to *n*th column
  - |{ ″ +}: matches one of the strings inside the brackets
  - >{″}: matches if value greater than string of same length in brackets
  - >={″}: matches if value greater than or equal to string of same length in brackets
  - <{″}: matches if value less than string of same length in brackets
  - <={″}: matches if value less than or equal to string of same length in brackets

  The following list includes examples of filter specification syntax:
  - Show only transactions with "Checking" at column 46:

    `@{46}Checking`
  - Show only transactions with 'Deposit' at column 32 and those with an amount greater then $999.99 starting at column 64:

    `@{32}Deposit@{64}>{' 999.99'}`
  - Show only transaction with 'Withdrawal' at column 32, from 'Checking' accounts at column 46, with an amount greater then $999.99 at column 64:

    `@{32}Withdrawal@{46}Checking@{64}>{' 999.99'}`
  - Show only transactions with 'Deposit' and 'Transfer' at column 32:

    `@{32}|{'Deposit'+'Transfer'}`
  - To show transactions with Amounts that were greater-than or equal-to 3400:

    `@{63}>={' 3400'}`
  - To show transactions with Amounts that were less-than or equal-to 455.78:

    `@{64}<={' 455.78'}`

  Once the filter is created, you must associate it with a formatted view.
4. On the ITOMweb homepage click the **Formatted Views and Filters** link.
5. Select the formatted view that you want to add a filter to from the **Formatted Views** list, and click the **Edit** button.
6. Select a filter from the **Filter** list in the General Properties section.
7. Click the **Save** button. Now, when you view an archived SYSOUT with this formatted view, this filter is applied.

Applying a formatted view

Once you have created a formatted view, you can apply it to a displayed report or archive by selecting the view name from the **View** list.

1. From the ITOMweb home page, navigate to the reports page or archive page by clicking **Archives** or **Reports**, respectively.
2. Locate the archive or report you wish to view.

   Tip: You can specify search criteria to find the archive or view.
3. Open the report or archived SYSOUT:
   - To open a report, click the link in the **TIMESTAMP** column of the report you wish to open.

- To open an archived SYSOUT, click the link in the **ARCHIVE TIME** column of the archived SYSOUT you wish to open.

The raw data is displayed because View is set to **NoCC**. You must change the view to use an existing formatted view.

4. Select the desired view from the **View** list to apply the formatted view.

Note: If an existing view is not displayed in the view list, it may be necessary to refresh the page with your browser's Refresh button, or by pressing F5.The report or archive is displayed according to the properties of the selected formatted view.

Deleting formatted views and filters

You can only delete formatted views and filters that you are the owner of (that you created). You cannot delete filters that are associated with formatted views without first deleting the formatted view.

1. Click **Formatted Views and Filters** on the ITOMweb home page. A Formatted View list and a Filter list are displayed.
2. From either the **Formatted View** list, or the **Filter** list, select the formatted view or filter to be deleted, and click **Edit**. The General Properties page is displayed.
3. At the bottom of the General Properties page, click the **Delete** button.

Note: The **Delete** button is only available if you are the creator of the formatted view or filter. If another user is the owner of the formatted view or filter, you cannot delete it.

Chapter 3. The Output Manager ISPF interface

If you are a report end-user, review the following topics to learn about using the Output Manager ISPF interface to view and print reports.

Accessing the Output Manager ISPF interface

To access the Output Manager ISPF interface, use the EXEC that your system administrator has designated for your use.

The EXEC that your system administrator has designated for your use invokes the BJTEXEC, which starts the interface. For example, if the system administrator designated that you use the product's sample EXEC program (BJTUI), you can specify TSO BJTUI at the command line on ISPF Primary Option Menu panel or specify BJTUI from the ISPF command shell (Option 6 on the Primary Option Menu). If you do not know the EXEC that you should use for starting the product, contact your system administrator or whoever customized the product.

Note: Your system administrator might have located an option for starting Output Manager on an installation-specific menu panel. If so, ask your administrator how to navigate to this menu panel.

Output Manager main menu

After you start the product, the first panel that is displayed is the Output Manager main menu. The options displayed on this panel are determined by your security privileges.

Menu options

V - View Reports
From the View Reports panels, you can view or print captured reports, archived sysouts, or indexed reports.

A - Administrative Functions
From the **Administrative Functions** panel, you can define SYSOUT selection criteria, archive attributes, custom reports, and bundles of reports; control the distribution of reports; set printing attributes; and monitor Output Manager activity. This option is for report administrators. For more information, see the *IBM Tivoli Output Manager for z/OS Administrator's Guide*.

Tip: To remove the copyright information from the display, you can press Enter.

Navigating product panels

You can navigate from one Output Manager panel to another in the following ways, depending on the type of panel:
- On a menu panel, choose a menu option by typing its navigation letter and pressing Enter.
- On a list panel, specify a line command next to a listed item to display a related panel. To view a list of available line commands, type a slash (/) in the CMD column and press Enter.

- On a panel with drop-down menus, choose a menu option by placing your cursor on the drop-down menu, pressing Enter, and then selecting an option.

Menu panel options

On a menu panel, you can choose a menu option by typing the letter that is associated with the option at the command line and pressing Enter.

For example, on the Administrative Functions panel, type **S** and press Enter to display the Selector Rules panel.

Alternatively, you can use the ISPF point-and-shoot method of selecting options with the cursor. With this method, you click the name of a menu option and press Enter. For example, to display the Administrative Functions panel, click `Administrative Functions` on the Output Manager main menu panel and press Enter. If you selected the **Tab to point-and-shoot fields** option on the ISPF Settings panel (Option 0), you can press the Tab key to move the cursor to a point-and-shoot option.

Note: If you enter a command on the command line and then select a point-and-shoot option, the command is processed instead of the point-and-shoot option.

If you want to skip a secondary menu that is displayed from the main menu, you can specify two options together on the main menu, that is, a main menu option followed by an option on the secondary menu panel. For example, to skip the View Selection menu and go directly to the Captured Reports panel, specify **V.R** on the main menu panel.

You can navigate to a panel in a different section without backing out to the main menu (for example, from an Administrative panel to a View panel, or between different menu options of the same section). On the command line, enter the minus sign (-) followed by the shortcut for the desired panel. For example, if you are currently looking at selector rules in the **A.S** panel, you can enter **-V.R** on the command line to go directly to the Captured Reports panel. If you have unsaved changes in the panel that you are currently in, you are prompted to save or abandon those changes.

Primary commands

Primary commands are typed into the Command line of a panel. A complete list of valid primary commands is available on the help panel for each panel of the ISPF interface.

The following list contains common primary commands used in most of the ISPF panels of the Output Manager ISPF interface:

Note: Uppercase letters in a command name indicate the minimum portion of the command that you can specify.
- SAVe - Save changes made to the object.
- ADD - Create a new object.
- END - Exit the currently displayed panel.
- EXIt - Exit the currently displayed panel.
- CANcel - Exit the currently displayed panel.

- REFresh - Update the list of objects by re-reading data from the database. Any unsaved changes are discarded.
- SEArch - Displays a search panel where you can specify search criteria to find an object, or to filter the list of objects. Additionally, you can type SEArch (*option*) where valid *option* values include:
  - SEArch All - To list all defined selector rules
  - SEArch Save - To save the search criteria that you just set as your default criteria
  - SEArch Reset - To reset the search criteria to the last saved values
- CEXPAND - You can use this command to display a full field when a value is larger than the display column. To use this command, type CEXPAND on the command line and then place your cursor on the field to be expanded, and press Enter. The CEXPAND display panel is displayed with the full value of the field.

  Note: You can also use the F4 shortcut key to invoke this command when your cursor is on the field to be expanded.
- CSET, CSIZE, CSORT, CHIDE, CORDER, and CRESET: In list panels, these commands enable you to configure which columns you can see, the sort order of columns, column size, and column order on the panel.
- HELP - Display the associated help panel.

To view a full list of the available primary commands for a panel, press F1 to view that panel's help.

Output Manager viewer commands

The following commands can be used when viewing reports and archives in the Output Manager viewer.
- `COLS`: Toggle the column number display on and off.
- `eXclude`: Type EXCLUDE *string* or X *string*, where string is a string of characters to be hidden, to hide lines that contain the specified character string.
- `Find`: Type FIND *'string'*, or F *'string'*, where string is a string of characters to be found, to search for lines that contain the specified character string. If the search string contains more than one word you must contain the search string in quotes.
- `RFIND`: Type RFIND to repeat the last FIND command.
- `FX`: Exclusive find, to search for lines that contain the character string and hide lines that do not contain the string. Type FX *string*, where string is a string of characters to be found.
- `FIX`: Fix a portion of the view screen and prevent that area from scrolling.
- `FORMVIEW`: Change the current formatted view by selecting one from a list of available formatted views.
- `GOTO`: Adjust the view to begin at the cursor location. Place your cursor at a location within the report or archive, type GOTO on the command line, and press Enter. The line on which the cursor is located moves to the top of the screen.
- `HEX`: Toggle hex viewing mode on or off.
- `HILITE`: After marking an area, type HILITE on the command line and press Enter to highlight the marked area. When an archive or report contains highlights, you can view them using the Show All Highlights option on the File drop-down list.
- `HILITES`: Displays a list of all highlights within the report or archive.
- `IPRINT`: Batch-print the report or archive.

- LOCATE: Type LOCATE *n*, where n is a line number, to jump to that line number within the report or archive.
- MARK: Mark an area of the report or archive. You must use the MARK command on both the first and last positions of the area to be marked. To add a mark, type MARK on the command line, position your cursor to the first character of the area to be marked, and press Enter. Then, type MARK on the command line again, position your cursor to the last character in the area to be marked, and press Enter. Tip: Once an area has been marked, you can add a note or highlight to the mark.
- MTELL: Display the row and column coordinates, width, and height of a marked area.
- NOPR: Remove the currently displayed page from the range of pages to be printed.
- NOTE: After marking an area, type NOTE on the command line and press Enter to add a note to the mark. When an archive or report contains notes, you can view them using the NOTES command or the Show All Notes option on the File drop-down list.
- NOTES: Display a list of all notes within the report or archive.
- NP: Scroll to the next page of the archive or report.
- PAGE: Toggle the page break indicator on or off.
- PP: Scroll to the previous page of the archive or report.
- PR: Add the currently displayed page to the page range of pages to be printed.
- RESET: Reset a previous issued line command, such as FIND or EXCLUDE.
- RNUM: Toggle the display of row number on or off.
- TOGGLE MODE: Toggle the page-by-page view mode on or off.
- TP: Display the General View Preferences panel.
- VP: Display the Viewer Preferences panel.

Line commands

Line commands are entered in the **CMD** column next to the object against which the command is to be performed. Type the letter that corresponds to the line command, and press Enter.

Type a slash (/) in the CMD column next to an object and press Enter to see a full list of available actions for an object.

Some common line commands include:
- **S** (Select) - Edit an object
- **E** (Edit) - Edit an object
- **B** (Browse) - View an object in read-only mode
- **V** (View) - View an object in read-only mode
- **I** (Insert) - Create a new object in a list
- **D** (Delete) - Delete an object
- **C** (Copy) - Copy object details to the Clipboard.
- **T** (PasTe) - Paste the data that is on the Clipboard for a copied object to the object details panel.
- **M** (Move) - Move an object and rearrange the order of the objects in a list.
- **A** (After) - Move the object selected with the M (move) command to the line after the cursor.

From a list panel, you can drill-down to a panel that is related to a listed item by typing a line command next to the item. For example, on the Captured Reports panel, type **V** (View) next to a report name to view the report.

Pull-down menus

Some panels have an action bar at the top that provides pull-down menus. You can use these menus to navigate to related panels.

Different panels have different pull-down menus, depending on the panel's context and functions. Each menu contains one or more options that you can choose.

To display a pull-down menu's options, use any of the following methods:

- Place your cursor anywhere on the menu name and press Enter.
- If you selected the **Tab to action bar choices** option on the ISPF Settings panel (Option 0), you can press the Tab key to move the cursor to a menu, and then press Enter.

To select an option from a pull-down menu, type the number that corresponds to the option and press Enter.

To close a pull-down menu without making a selection, press F12 (Cancel).

Note: Pull-down menus do not appear in pop-up windows.

Some common Menu options include:

- File - Refresh the screen, or exit the panel
- Search - Search for an object, or filter the list of objects
- View - Select a view option to control the columns that are displayed in the list of objects
- Link - Link the displayed Output Manager object to another Output Manager object.
- Help - Display the Help panel

Scrolling a panel

When a panel's contents exceeds the size of the panel, one or more of the following indicators are displayed in the upper right corner of the panel to alert you that you can scroll to view the additional data that exists outside the visible area:

- The plus sign (**+**) indicates that you can scroll downward by pressing the F8 (Fwd) key.
- The minus sign (**-**) indicates that you can scroll upward by pressing the F7 (Bkwd) key.
- The greater than sign (**>**) indicates that you can scroll to the right by pressing the F11 (Right) key.
- The less than sign (**<**) indicates that you can scroll to the left by pressing the F10 (Left) key.

For example, if the +> indicators are displayed in the upper right corner, you can scroll down or to the right to view additional data.

You can set the number of lines or characters that are scrolled when you press a scroll function key by entering one of the following values in the **SCROLL===>** field: **HALF** (scroll half of the page vertically or horizontally), PAGE (scroll one full

page), *n* (scroll *n* number of lines or characters), MAX (scroll to the top, bottom, left margin, or right margin, depending on the scroll direction), **CSR** (scroll so that the current cursor position is the top, bottom, or left or right margin), or **DATA** (scroll to the point that is one line or character less than a full page).

Additionally, you can rearrange columns order, column widths, and vertical ordering using column display functions (**CSETUP** functions). For more information on **CSETUP** functions, see "Column display functions" on page 56.

Entering information in text fields

To enter information in a field on a panel, type a value in a field and press the Enter key.

Some fields contain default values that you can either accept or change. To navigate from field to field, use the mouse, the Tab key, or any navigation key that you set up in your 3270 terminal emulator.

Supported wildcard characters

You can include wildcard characters in search criteria and in some fields in administrative definitions.

If you do so, Output Manager matches your wildcard pattern against the data in the Output Manager database to find the matching objects.

Output Manager supports the following wildcard characters:
- A percent sign (%) or an asterisk (*) at the end of a value to represent zero or more trailing characters
- An underscore (_) or a question mark (?) anywhere within a value to represent a single character

Displaying online help

The Output Manager interface includes online help information to help you use the product.

To access help for a panel that you are working in, press F1 (Help) while the panel is displayed.

Alternatively, on the action bar at the top of a panel, move the cursor to the **Help** menu and press Enter to display a pull-down menu with the following options:

1 - Extended Help
Use this option to display help information about the active panel or (if the Output Manager main menu is displayed) to display a tutorial on using the product interface.

2 - Keys Help
Use this option to display descriptions of the function keys (F keys) that appear at the bottom of each panel. If these keys are not displayed, you can specify PFSHOW ON at the command line to display them.

Setting display preferences

You can set Output Manager preferences to customize how links, line commands, and exceptions are displayed in the ISPF interface.

1. From the Output Manager main menu, select option 1. **Set User Preferences** from the **Options** drop-down menu. The User Preferences panel is displayed:

2. To set preferences, specify values in one or more of the following fields:

    Object links

    In this row, specify display options for denoting Output Manager objects that are linked to the object being viewed. An object link is text that indicates a link to another Output Manager object but does not actually jump to it. For example, on the Selector Rule panel, a value in **Archive Attr** field is a link because it displays the name of the set of archive attributes that you linked to the selector rule from the **Link** menu.

    - In the **Color** field, type a display color for object links: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
    - In the **Highlight** field, type a highlight option for object links: NONE (no highlighting), USCORE (underscore), BLINK (blinking text), or REVERSE (reverse highlighting).
    - In the **Intensity** field, type the intensity with which to display object links: HIGH or LOW.

    Line commands

    In this row, specify display options for denoting Output Manager line commands.

    - In the **Color** field, type a display color for line commands: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
    - In the **Highlight** field, type a highlight option for line commands: NONE (no highlighting), USCORE (underscore), BLINK (blinking text), or REVERSE (reverse highlighting).
    - In the **Intensity** field, type the intensity with which to display line commands: HIGH or LOW.

    Exceptions

    In this row, specify display options for denoting an exception:

    - In the **Color** field, type a display color for exceptions: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
    - In the **Highlight** field, type a highlight option for exceptions: NONE (no highlighting), USCORE (underscore), BLINK (blinking text), or REVERSE (reverse highlighting).
    - In the **Intensity** field, type the intensity with which to display exceptions: HIGH or LOW.

3. Type a slash (/) in any of the following fields to activate a display behaviour:

    - **Informational Messages**: When this field is selected, warnings and errors are always displayed.
    - **Confirmation on Cancel**: When this field is selected, users are prompted for confirmation when they exit a panel without saving changes.
    - **Confirmation on Delete**: When this field is selected, users are prompted for confirmation when they attempt to delete an object.

- **Confirmation on End and Save**: When this field is selected, users are prompted for confirmation when they leave a panel and when they save changes.
- **Key character for internal navigation**: Type a character to be used for navigating within the Output Manager ISPF interface. For example, if a dash (-) is specified in this field, a user can type `-V.R` in the command line of any panel to navigate to the View Reports panel (V.R).

4. In the **Migration recall job cards** lines, specify the JOB statement that will be used when an ISPF user recalls an archive or report.

5. In the **Print and reprint job cards** lines, specify the JOB statement that will be used when an ISPF user prints an archive or report.

6. When you are finished setting preferences, press Enter.

7. Press F3 to return to the main menu.

Setting preferences for the Output Manager ISPF viewer

You can adjust user preferences for displaying archives, reports, and SYSOUT in the Output Manager view panels. You can also select a formatted view, if available.

Use the Viewer Preference panel to set display preferences such as display color. Use the General View Preferences panel to set display preferences for displaying notes, highlights, page breaks, and other viewing preferences when viewing archives and reports in Output Manager.

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports panel is displayed.

2. Select option 1 **Viewer Preferences** from the **Options** drop-down menu. The Viewer Preferences panel is displayed: The following Viewer Preferences are available:

- **Hilites**: In this row, specify display options for highlighting text when viewing archived sysouts and reports.
  - In the **Color** field, type a display color for viewer highlighting: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
  - In the **Highlight** field, type a highlight option for viewer highlighting: NONE (no highlighting), USCORE (underscore), BLINK (blinking text), or REVERSE (reverse highlighting).
  - In the **Intensity** field, type the intensity with which to display viewer highlighting: HIGH or LOW.
- **Notes**: In this row, specify display options for displaying notes when viewing archived sysouts and reports.
  - In the **Color** field, type a display color for viewer notes: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
  - In the **Highlight** field, type a highlight option for viewer notes: NONE (no highlighting), USCORE (underscore), BLINK (blinking text), or REVERSE (reverse highlighting).
  - In the **Intensity** field, type the intensity with which to display viewer notes: HIGH or LOW.
- **Mark**: In this row, specify display options for displaying marks when viewing archived sysouts and reports:
  - In the **Color** field, type a display color for marks: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.

- In the **Highlight** field, type a highlight option for marks: NONE (no highlighting), USCORE (underscore), BLINK (blinking text), or REVERSE (reverse highlighting).
- In the **Intensity** field, type the intensity with which to display marks: HIGH or LOW.
- **Two notes color**: Type the display color to use when there are two notes in one view session: RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
- **Three and more notes color**: Type the display color to use when there are three or more notes in one view session:RED, PINK, GREEN, YELLOW, BLUE, TURQUOISE, or WHITE.
- **Select is synonym of**: Type either VIEW or BROWSE to determine whether to view or browse an object when a user types S (Select) in the command column.
- **Replacement character for binary symbols**: Type a character to be used for replacing binary symbols within a view session.
- Type a slash (/) in any of the following fields to activate a display behaviour:
  - **Confirmation on hilite deletion**: When this field is selected, users are prompted for confirmation when they attempt to delete a highlight in a view session.
  - **Confirmation on note deletion**: When this field is selected, users are prompted for confirmation when they attempted to delete a note in a view session.
  - **Show warning when file contains binary symbols**: If this field is selected and a file contains binary symbols, a warning is displayed.
  - **Show current line and column**: If this field is selected, the position (line and column) is displayed in view sessions.

3. When you are finished setting Viewer Preferences, press F3 to return to the Output Manager viewer.

4. Select option 2 **General View Preferences** from the **Options** drop-down menu. The General View Preferences panel is displayed: The following General View Preferences are available:
   - **Show notes:**: When this field is selected, notes are displayed.
   - **Show highlights**: When this field is selected, highlights are displayed.
   - **Show page breaks**: When this field is selected, page breaks and page numbers are displayed.
   - **Show hex**: When this field is selected, content is displayed in hex.
   - **Show column numbers**: When this field is selected, a column number ruler is displayed.
   - **Show row numbers**: When this field is selected, a row number ruler is displayed.
   - **Notes overlap highlights**: When this field is selected, notes can overlap highlights.
   - **Show page by page**: When this field is selected, only one page is displayed at a time.
   - **Highlight fixed area**: Changes the color of the column number and row number of the fixed area when using the FIX line command in Page by Page view.

   Tip: Use this General View Preferences panel (option 2 in the Options drop-down list) to select column number, row number, and Page by Page view options.

5. When you are finished setting General View Preferences, press F3 to return to the Output Manager viewer.

6. Optionally, you can the current formatted view by selecting one from a list of available formatted views. When viewing a report or archive in the Output Manager Viewer, you can select an existing formatted view from option 3 **Change Formatted View** on the **Options** drop-down menu. Select your formatted view from the list of available existing formatted views using the "/" line command.

Some useful ISPF commands

The following ISPF commands can help you work efficiently with the product:

- The FIND and SORT commands are ISPF primary commands for locating items in list displays. These commands are available in Output Manager list-type panels, such as the Captured Reports panel. You enter these commands at the command line.

- The View and Browse commands are ISPF line commands that enable you to view a listed item. You enter these commands in the **CMD** column of a list panel.

- The Copy, Cut, and Paste commands are available on some administrative panels as line commands or pull-down menu options to help you create Output Manager rules and definitions more efficiently or to remove them. For more information, see "Copy and Paste commands" on page 41.

If you use an ISPF command frequently, you may want to define a Pfkey to be assigned to perform that command. For example, if you use the "search" (SEA) ISPF command often, you can define a Pfkey as a "search" key. This way, a "search" command requires only one keystroke.

To assign a command to a Pfkey:

1. Type KEYLIST on the command line.

2. Scroll to find the keylist labeled "*** Currently active keylist ***".

3. Type E next to the currently active keylist and press Enter to edit the keylist.

4. Locate an unused Key (an unused key has blank Definition, Format, and Label fields.

5. Specify Definition, Format, and Search values for the key you wish to assign. For example, if you were to create a "search" Pfkey, you would:
   - Type Search in the **Definition** field.
   - Type SHORT in the **Format** field.
   - Type Search in the **Label** field.

6. Press Pf3 to exit the panel.

FIND command

Use the FIND command to locate an item in a list-type panel based on a search string.

The basic command structure for FIND is as follows:

```
FIND text_string
```

If the text string contains blank spaces, enclose it in single quotation marks. If it contains apostrophes, enclose it in double-quotation marks.

This command searches forward from the current line to the first location where the text string is found. If the specified string is not found, the message `Find string not found` is displayed.

You can change the search direction by adding one of the following options to the command: PREV (search backwards), FIRST (start at the top and find the first occurrence), LAST (start at the bottom and find the last occurrence), or ALL (same as FIRST but also provides a count of all occurrences in the file). For example, to search backwards from the current line, use the following command structure:

`FIND text_string PREV`

Sorting columns

Place your cursor on a column and press Enter to sort that column in ascending order.

To sort the column in descending order, place your cursor on the column again and press Enter.

Output Manager sorts column entries character by character. For text entries, the sort operation is case-sensitive. When sorting in ascending order, Output Manager lists entries in the following order:
- Blank values
- Text values that begin with a lowercase letter
- Text values that begin with an uppercase letter
- Numbers in numeric character-by-character order

View and Browse commands

Use the **V** (View) or **B** (Browse) line command in list-type panels to view an item without making changes.

In the Captured Reports panel or Archived Reports panel, you can use either command to view reports or archived data. The View command loads the entire data set for viewing, whereas the Browse command loads the data set incrementally, as you scroll through it.

Copy and Paste commands

Report administrators can copy information for an existing administrative definition and paste that information into a new definition. This capability can make creating new selector definitions, report selection rules, and other administrative objects easier and faster.

Instead of creating a new definition from scratch, you use an existing definition as a template. To copy and paste information from the administrative list panels, you use the line commands **C** (Copy) and **T** (Paste). On detail panels, you choose the **Copy** and **Paste** commands from the **File** pull-down menu or specify them at the command line.

For example, on the Report Rules list panel, you can specify the **C** (Copy) line command next to a report selection rule and press Enter. All of the detail information for that rule is placed on the Clipboard. (The information remains on the Clipboard for the duration of your Output Manager session.) You can then insert a new report selection rule. On the detail Report Rules panel for the new

rule, you can choose **Paste** from the **File** menu to add the copied information to the panel. You can then supply a new report name, edit any of the other copied information, and save the new rule.

- Selector Rules panel
- Archive Attributes panel
- Report Rules panel

Notes:

1. To use the Copy and Paste commands, users must have administrator authority.
2. You cannot copy information from a detail panel of one type and paste it into a detail panel of another type. The fields on the panels must match for these commands to function.

Viewing reports

From the main menu of the ISPF interface, specify V.R to list captured basic and custom report instances or specify V.A to list archived sysout instances. Then use the V (View), B (Browse), or S (Select) line command to view a report instance. You can also specify V.I to list of the report definitions for which an index is defined and then drill down to the set of indexed report pages (a field index) that you want to view.

The View Reports panel in the ISPF interface

The View Reports panel provides options for viewing and printing captured reports and archived SYSOUTs. To display the View Reports panel, choose option **V**, View Reports, from the Output Manager main menu.

Menu options

A - Archived Sysouts
Choose this option to display the Archived Sysouts panel from which you can view or print a basic report (that is, an entire SYSOUT that is stored in sequential archive file). For more information, see "Viewing archived sysouts" on page 46.

R - Reports
Choose this option to display the Captured Reports panel from which you can view or print custom and basic reports that Output Manager has captured. For more information, see "Viewing captured reports."

I - Indexed Reports
Choose this option to display the Indexed Reports panel, which lists the captured reports that contain index values.

The menu panel also displays the following read-only field:

Product name
Indicates the name of the product instance that you are running. This one-to eight- character name corresponds to the ?BJTNAME? customization parameter that was specified during configuration.

Viewing captured reports

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports panel is displayed.

2. Choose option **R**, Reports, and press Enter.
3. Specify search criteria, or leave the fields blank, and press Enter. The resulting list is filtered by your search criteria.
4. The Captured Reports panel is displayed with the following columns:

Report Name
> The logical name that the report administrator assigned to the report in the report definition or report selection rule.
>
> **Note:** This column remains fixed when scrolling to the right or left.

Capture Time
> The date (YYYY MM/DD) and time (HH:MM) when the SYSOUT on which the report is based was captured.

Type One of the following report types: **Basic** (every page of the SYSOUT), **Custom** (a subset of the basic report, as defined by a custom report definition and layout), **Undefined** (all of the SYSOUT pages that did not match any of the custom report definitions), and **All** (both basic and custom).

Page Count
> The total number of pages in the report.

Line Count
> The total number of lines in the report.

Description
> The description associated with the report

Job Name
> The name of the job that produced the report

Job ID
> The job ID of the job that produced the report

Migrated
> Indicates whether a custom or basic report or an indexed report is based on an archived report that has been migrated to another storage level by DFSMShsm.

5. In the **CMD** column, type **V** (View) next to the report that you want to view and press Enter. The report content is displayed.
6. Press F8 (Fwd) to scroll down to view the report content. If you are viewing the report in page-by-page mode, the F7 and F8 keys only scroll within the page. Use Shift + F7, or Shift + F8 to change pages. Use the `TOGGLE MODE` command to toggle the page-by-page view mode on or off.
7. Optionally, you can use the following line commands in the view session:
   - `Find`: Type FIND 'string', or F 'string', where string is a string of characters to be found, to search for lines that contain the specified character string. If the search string contains more than one word you must contain the search string in quotes.
   - `RFIND`: Type RFIND to repeat the last FIND command.
   - `FX`: Exclusive find. Type FX string, where string is a string of characters to be found, to search for lines that contain the specified character string and hide lines that do not contain the string.
   - `COLS`: Toggle the column number display on and off.

- **eXclude:** Type EXCLUDE string or X string, where string is a string of characters to be hidden, to hide lines that contain the specified character string.
- **FIX:** Fix a portion of the view screen and prevent that area from scrolling.
- **FORMVIEW:** Change the current formatted view by selecting one from a list of available formatted views.
- **GOTO:** Adjust the view to begin at the cursor location. Place your cursor at a location within the report, type GOTO on the command line, and press Enter to move the line on which the cursor is located to the top.
- **HEX:** Toggle hex viewing mode on or off.
- **HILITE:** After marking an area, type HILITE on the command line and press Enter to highlight the marked area. When a report contains highlights, you can view them using the Show All Highlights option on the File drop-down list.
- **HILITES:** Displays a list of all highlights within the report.
- **IPRINT:** Batch-print the report.
- **LOCATE:** Type LOCATE *n*, where n is a line number, to jump to that line number within the report.
- **MARK:** Mark an area of the report. You must use the MARK command on both the first and last positions of the area to be marked. To add a mark, type MARK on the command line, position your cursor to the first character of the area to be marked, and press Enter. Then, type MARK on the command line again, position you cursor to the last character in the area to be marked, and press Enter.

  Tip: Once an area has been marked, you can add a note or highlight to the mark.
- **MTELL:** Display the row and column coordinates, width, and height of a marked area.
- **NOPR:** Remove the currently displayed page from the range of pages to be printed.
- **NOTE:** After marking an area, type NOTE on the command line and press Enter to add a note to the mark. When a report contains notes, you can view them using the NOTES command or the Show All Notes option on the File drop-down list.
- **NOTES:** Display a list of all notes within the report.
- **NP:** Scroll to the next page of the report.
- **PAGE:** Toggle the page break indicator on or off.
- **PP:** Scroll to the previous page of the report.
- **PR:** Add the currently displayed page to the page range of pages to be printed.
- **RESET:** Reset a previous issued line command, such as FIND or EXCLUDE.
- **RNUM:** Toggle the display of row number on or off.
- **TOGGLE MODE:** Toggle page-by-page view mode on or off. When page-by-page mode is on, the F7 and F8 keys scroll within the page, and Shift + F7, or Shift + F8 change pages.
- **TP:** Display the General View Preferences panel.
- **VP:** Display the Viewer Preferences panel.

8. When you are finished, press F3 (Exit).

Searching for captured reports

You can search for captured reports based on any of the following criteria: a report name, a report type (basic, custom, undefined, or no report), a capture date and time, and a user ID for a recipient on an associated distribution list.

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports panel is displayed.
2. Choose option **R**, Reports, and press Enter. The search panel is displayed.
3. Specify search criteria in any of the following fields:

   Report name
   > Specify a specific report name or a generic name to match a set of reports. Specify an asterisk (*) as a wildcard in the report name to perform a generic search. For example, MON*, would return all reports beginning with the letters MON.

   Job name
   > Limit the search by the name of the job that produced the report SYSOUT. Only reports with matching Jobname will be displayed. Wildcards are supported.

   Description
   > The description that is associated with the report. You can include the following wildcard characters: a trailing asterisk (*) or percent sign (%) to represent zero or more ending characters, or a question mark (?) or an underscore (_) to represent a single character. Specify this value only if the reports for which you are searching have a description.

   Report type
   > Type a slash (/) next to the report types to be included in the search: **Basic** (every page of the SYSOUT), **Custom** (a subset of the basic report, as defined by a custom report definition and layout), **Indexed** (limit the search to indexed reports), **Undefined** (all of the SYSOUT pages that did not match any of the custom report definitions).

   After date
   > The date on or after which the reports that you want to display were captured. You can type a specific date in YYYY/MM/DD format (where *YYYY* is the year, *MM* is the month, and *DD* is the day); **Today** or **T** for the current date; or **T-*nnnn*** for *nnnn* number of days prior to the current date (for example, T-14 for two weeks ago).

   Before date
   > The date on or before which the reports that you want to display were captured. You can type a specific date in YYYY/MM/DD format (where *YYYY* is the year, *MM* is the month, and *DD* is the day); **Today** or **T** for the current date; or **T-*nnnn*** for *nnnn* number of days prior to the current date.

   After time
   > The 24-hour time on or after which the reports that you want to display were captured. This time must be in the format HH:MM:SS, where *HH* is hours, *MM* is the minutes, and *SS* is seconds.

   Before time
   > The 24-hour time on or before which the reports that you want to display were captured. This time must be in the format HH:MM:SS.

Access ID

If available, specify an Access ID. When specified, displays only those reports that are associated with the specified access ID. The Access Mask field is read-only.

4. Type values in one or more fields, and press Enter. The Captured Reports panel is redisplayed and lists only the reports that match your search criteria.

Tip: To save the specified criteria to your ISPF profile, type YES in the **Save Criteria** field. If you save your search criteria, the Search window display your saved values the next time you display it. After a search, you can redisplay all reports by choosing option **2**, List All, from the **Search** pull-down menu.

Viewing archived sysouts

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports menu is displayed.
2. Choose option **A**, Archived Syouts, and press Enter.
3. Specify search criteria, or leave the fields blank, and press Enter. The resulting list is filtered by your search criteria.
4. The following columns are displayed when the **View** menu option is set to **All**:

Archive Name

The logical name of an archive that Output Manager generates when archiving the SYSOUT. This name is based on an archive mask that is associated with the SYSOUT selection criteria. It can be a job name, a writer name (if one is specified in the JCL for the job), or a concatenation of these two values. Exception: For third-party archives that you recall, this name is the report ID.

Notes:

a. This field may be blank for archives that were created with a previous level of the product that did not support archive names. In this case, the report administrator can optionally populate the field with a value in one of the following ways:

- To populate the field with the job name, run the SQL statements in the SBJTSAMP member BJTSQL02.
- If the archives are for third-party (CA-View) reports that you recalled, run the SQL statements in the SBJTSAMP member BJTSQL03 to populate the field with the REPORTID value that resides in the BJTAVR table.

b. For any additional third-party (CA-View) archives that you recall, Output Manager populates this field with the value from the REPORTID field in the BJTAVR table instead of with the job name or writer name.

Job Name

The name of the job that produced the archived report.

Job ID

The job ID of the job that produced the archived report.

Archive Time

The date (YYYY MM/DD) and time (HH:MM) when the report SYSOUT was captured and archived.

Cond The last non-zero condition code for a job or the highest non-zero condition code for any job step

Step Name
The name of the job step that is associated with the archived report.

Proc Step
The name of the procedure step that is associated with the archived report.

DD Name
The DD name that is associated with the archived report.

Lines The total number of lines in the archived report.

Pages The total number of pages in the archived report.

Migrated
The migration status of an archived report, or the state of a migrated archived report as it is being recalled. Valid values are: **No** (the archived report has not been migrated off DASD and is available for viewing), **Yes** (the archived report has been migrated off of DASD to DFSMShsm-managed tapes or equivalent storage), **ISV** (the archived report is currently in a foreign archive store and has not yet been migrated to Output Manager), **Unknown** (the migration state cannot be detected), **Submit** (the recall procedure for the archived report has started), **Failed** (the recall procedure for the archived report ended abnormally), **Print** (the recall procedure printed the archived report as SYSOUT and the SYSOUT is awaiting archiving by Output Manager), **ErrorCap** (the capture process for the converted third-party archived report failed), or **Expired** (the archived report is not on DASD and has not been migrated to other storage; it is unavailable for viewing).

Job Class
Indicates the JES execution class.

Last Printed
Indicates the date on which the sysout was last viewed.

Tip: You can change the set of columns that are displayed on this panel from the **View** pull-down menu.

5. To view a sysout, type V (View) next to the sysout, in the **CMD** column, and press Enter. Or, to view the job associated with a sysout, type ? in the **CMD** column next to the sysout, and press Enter.

6. Optionally, you can use the following line commands in the view session:
   - Find: Type FIND 'string', or F 'string', where string is a string of characters to be found, to search for lines that contain the specified character string. If the search string contains more than one word you must contain the search string in quotes.
   - RFIND: Type RFIND to repeat the last FIND command.
   - FX: Exclusive find. Type FX string, where string is a string of characters to be found, to search for lines that contain the specified character string and hide lines that do not contain the string.
   - COLS: Toggle the column number display on and off.
   - eXclude: Type EXCLUDE string or X string, where string is a string of characters to be hidden, to hide lines that contain the specified character string.
   - FIX: Fix a portion of the view screen and prevent that area from scrolling.

- FORMVIEW: Change the current formatted view by selecting one from a list of available formatted views.
- GOTO: Adjust the view to begin at the cursor location. Place your cursor at a location within the archive, type GOTO on the command line, and press Enter to move the line on which the cursor is located to the top.
- HEX: Toggle hex viewing mode on or off.
- HILITE: After marking an area, type HILITE on the command line and press Enter to highlight the marked area. When an archive contains highlights, you can view them using the Show All Highlights option on the File drop-down list.
- HILITES: Displays a list of all highlights within the archive.
- IPRINT: Batch-print the archive.
- LOCATE: Type LOCATE n, where n is a line number, to jump to that line number within the archive.
- MARK: Mark an area of the archive. You must use the MARK command on both the first and last positions of the area to be marked. To add a mark, type MARK on the command line, position your cursor to the first character of the area to be marked, and press Enter. Then, type MARK on the command line again, position you cursor to the last character in the area to be marked, and press Enter.

  Tip: Once an area has been marked, you can add a note or highlight to the mark.
- MTELL: Display the row and column coordinates, width, and height of a marked area.
- NOPR: Remove the currently displayed page from the range of pages to be printed.
- NOTE: After marking an area, type NOTE on the command line and press Enter to add a note to the mark. When an archive contains notes, you can view them using the NOTES command or the Show All Notes option on the File drop-down list.
- NOTES: Display a list of all notes within the archive.
- NP: Scroll to the next page of the archive.
- PAGE: Toggle the page break indicator on or off.
- PP: Scroll to the previous page of the archive.
- PR: Add the currently displayed page to the page range of pages to be printed.
- RESET: Reset a previous issued line command, such as FIND or EXCLUDE.
- RNUM: Toggle the display of row number on or off.
- TOGGLE MODE: Toggle the page-by-page view mode on or off.
- TP: Display the General View Preferences panel.
- VP: Display the Viewer Preferences panel.

7. Press F8 to scroll down to view the archive content.
8. When you are finished, press F3.

Searching for archived sysouts

Use this procedure to search for archived sysouts based on any of the following criteria: a job name, a SYSOUT class, an archive name, whether the archive contains exceptions, and archive creation dates and times.

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports panel is displayed.

2. Choose option **A**, Archived Sysouts, and press Enter. The search panel is displayed.

3. Specify search criteria in any of the following fields

Job Name
> The name of the job that produced the archived SYSOUT that you are searching for. You can include the following wildcard characters: a trailing asterisk (*) or percent sign (%) to represent zero or more ending characters, or a question mark (?) or an underscore (_) to represent a single character anywhere in the name.

Sysout Class
> The SYSOUT class or classes that are associated with the archived SYSOUT that you are searching for. If you specify multiple classes, ensure that no spaces or characters occur between your entries. For example, to specify class R and class A, type RA (not R A or R,A). You can type up to 36 characters.

Archive Name
> The logical name of the archive that you are searching for. Output Manager generates archive names based a pattern that the report administrator defines when capturing and archiving SYSOUT. You can include the following wildcard characters: a trailing asterisk (*) or percent sign (%) to represent zero or more ending characters, or a question mark (?) or an underscore (_) to represent a single character anywhere in the name.

User ID
> The RACF user ID of the job that created the report.

Exceptions
> Whether to list only the archived reports with exceptions or only the archived reports without exceptions. Specify **Yes** to display only archived reports with exceptions, or specify **No** to display only archived reports without exceptions. If you leave this field blank, both archived reports with exceptions and those without exceptions be displayed.

After Date
> The date on or after which the archives that you want to display were created. You can enter a specific date in the format YYYY/MM/DD (where *YYYY* is the year, *MM* is the month, and *DD* is the day); **Today** or **T** for the current date; or **T-*nnnn*** for *nnnn* number of days prior to the current date (for example, T-14 for two weeks ago).

Before Date
> The date on or before which the archives that you want to display were created. You can enter a specific date in the format YYYY/MM/DD; **Today** or **T** for the current date; or **T-*nnnn*** for *nnnn* number of days prior to the current date.

After Time
> The 24-hour time on or after which the archives that you want to display were created. This time must be in the format HH:MM:SS, where *HH* is hours, *MM* is the minutes, and *SS* is seconds.

Before Time
> The 24-hour time on or before which the archives that you want to display were created. This time must be in the format HH:MM:SS, where *HH* is hours, *MM* is the minutes, and *SS* is seconds.

4. Type your search criteria in one or more fields, and press Enter. The Archived Sysouts panel is redisplayed and lists only the archives that match your search criteria.

Viewing or printing the SYSOUTs for a job associated with an archive

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports menu is displayed.

2. Choose option **A**, Archived Syouts, and press Enter.

3. Specify search criteria, or leave the fields blank, and press Enter. The resulting list is filtered by your search criteria.

4. In the CMD column next to the name of the archive that you want to view the SYSOUT for, type a question mark (?) and press Enter. A list of the SYSOUTs for that job is displayed.

5. In the CMD column next to the **DDNAME** column for the SYSOUT, specify a line command:
   - P - Print the job associated with the archive.
   - V - View the job associated with the archive.

Viewing indexed report pages for a captured indexed report

If one or more index fields were specified in a report definition, Output Manager can generate *field indexes* that point to the pages in a captured report instance that contain the defined index fields.

You can display a list of the field indexes that were generated for all captured report instances based on a particular report definition. You can then select a field index to view an indexed report page or set of pages. For example, if one of the index fields is City, you can find the field indexes for your local city and view only those pages.

To view indexed report pages in a captured report:

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter. The View Reports menu is displayed.

2. Choose option **I**, Indexed Reports, and press Enter.

3. Specify search criteria, or leave the fields blank, and press Enter. The resulting list is filtered by your search criteria.

4. In the **CMD** column, type S (Select) next to the name of an indexed report definition for which you want to display field indexes. The Index Fields panel is displayed.

   Tip: Report administrators can also access the Index Fields panel as follows: 1) Specify **A.C** on the main menu to list all report definitions, 2) specify the N (iNdexes) line command next to a report definition that has a defined index field to list the captured report instances with index fields, and 3) specify the S (Select) line command next to a report.

   The Index Fields panel includes the following columns:

   Capture Time
   The date (YYYY MM/DD) and time (HH:MM) when the report instance was captured.

   F1-F8 Index Value 1 through Index Value 8: The values that were captured for the index fields in an indexed report. An indexed report definition can specify from one to eight index fields. Each combination of index

values (one row) represents a report page or set of pages from a captured, indexed report instance. Index Value 1 must contain a nonblank value. The other index fields (Index Value 2 through Index Value 8) can contain either a blank or a nonblank value.

> **Tip:** You can search for field indexes based on values for one or more index fields by choosing option **1**, By Index Value, from the **Search** pull-down menu.

5. In **CMD** column, type the V (View) line command next to the field-index entry (row) that points to the report page or pages that you want to view, and press Enter. The indexed report page or pages are displayed.

> **Tip:** You can print the indexed report pages using the Print line command.

Printing reports, archived sysouts, and indexed report pages from the ISPF interface

You can print archived reports, captured basic and custom reports, and indexed report pages (field indexes) from both the Output Manager ISPF interface if your security configuration allows it.

If you are a report administrator and need information about configuring printing or reprinting reports, see the "*IBM Tivoli Output Manager for z/OS Administrator's Guide*".

Local print requests

From the ISPF interface, you can print reports locally using the P (Print) line command. For these *local print requests*, Output Manager searches for a recipient ID record that contains your user ID and uses the first one that it finds.

Depending on whether a recipient ID is found for you, the following results can occur:

- If a recipient ID is found, Output Manager uses the information in that recipient ID to establish output descriptors such as Class and Dest for printing the report.
- If a recipient ID is not found, Output Manager uses the default TSO print specifications for Class and Dest on your system to print the report.

After you issue the P command, Output Manager displays the Print Confirmation pop-up window (unless you set a preference to not display it). From this window, you can specify the following optional items: a set of printer attributes, a report banner page, and a PRSET member. (A PRSET member contains a set of binary characters that you can use for controlling the formatting or printing of a report on a physical printer, for example, AFP structured fields.) Also, you can change the hardcopy option setting, if necessary. All of these settings apply to the current print request only and do not change the report definition.

After a report or report page is printed, you can access it online from SDSF (or an equivalent tool). You also might receive a hardcopy of the report, depending on the Dest and Class values that were specified in your recipient ID or (if no recipient ID is found) on the default print specifications at your site.

> **Note:** Although report end-users can also use the reprint line commands to reprint a report, reprint operations are usually performed by report administrators when they need to reproduce an entire print run for all recipients on the

distribution list. If you are a report administrator and need more information about reprinting, see the *IBM Tivoli Output Manager for z/OS Administrator's Guide*.

Printing a report, archived sysout, or indexed report page with the P (Print) line command

Use the P (Print) line command to print a report without first changing your existing recipient ID details. However, you can add, edit, or remove a set of printer attributes, a report banner page, or a PRSET member for the print request.

1. From the Output Manager main menu, choose option **V**, View Reports, and press Enter.

2. From the View Reports menu, access the panel that lists the report or indexed report page that you want to print, as follows:

   - Choose **R**, Reports, to display the Captured Reports panel.
   - Choose **A**, Archived Sysouts, to display the Archived Sysouts panel.
   - Choose **I**, List Indexes, to display the Indexed Report Definitions panel. Then select a report with the S line command to display the Field Indexes panel. This panel lists the index values and associated report pages that were found.

3. In the **CMD** column, type P (Print) next to the report that you want to print or next to the index value that identifies the report page or pages that you want to print. Then press Enter. The Print Confirmation panel is displayed.

   Note: The **Print Model** and **Dynamic Print** fields are read only. These fields are set in the report definition (for a basic or custom report) or in the set of archive attributes (for an archived report).

4. To add, edit, or remove an optional set of printer attributes associated with a recipient ID, specify the **P** (Printer attribute) line command in the **CMD** column. Alternatively, to add, edit, or remove a set of printer attributes associated with the report definition, choose one of the following options from the **File** pull-down menu: option **1** (Choose Printer Attribute), option **2** (Edit Printer Attribute), or option **3** (Remove Printer Attribute).

   Note: If you edit a printer attribute from this panel, select option **1** (Save) from the **File** pull-down list on the Print Attributes Detail panel to save your changes. Changes to the edited printer attribute are saved for this print request only; the printer attribute is not permanently changed.

5. To add or remove an optional report banner page, choose one of the following options from the **File** pull-down menu: option **4** (Choose Banner Page) or option **5** (Remove Banner Page). If you choose option **4**, you be able to edit the banner definition first.

6. To add or remove an existing PRSET member, choose one of the following options from the **File** pull-down menu: option **6** (Choose PRSET Member) or **7** (Remove PRSET Member). If you want to replace a previously assigned PRSET member with another PRSET member, choose option **6**.

   Note: If you specify a PRSET member that does not exist in the PDS that is designated to store PRSET information for your started task, the print operation fail.

7. If you need to change your hardcopy setting to **Yes**, specify the S, Set print, line command in the **CMD** column. A hardcopy setting of **Yes** is required to print the report. Although you can set the hardcopy option to **No** by specifying the R, Reset print, line command, you should not do so.

> **Tip:** If you inadvertently specify the R, Reset print, line command and your
> recipient listing disappears from view, choose option **3** (Include no print)
> from the **View** menu to redisplay it. You can then set the hardcopy option
> to Yes.

8. When you are ready to print the report, press F3 (Exit). The report is queued
   for printing.

Reprinting a report

An administrator can issue a reprint line command for a captured report (basic or
custom report) or field index to perform a print run for all recipients on the
selected distribution list. A reprint request is sent to Output Manager. Output
Manager prints the report output to the JES spool for each recipient on the
distribution list.

1. From the Output Manager main menu, choose option **V**, View Reports, and
   press Enter.
2. From the View Reports menu, access the panel that lists the report or indexed
   report page that you want to print, as follows:
   - Choose **R**, Reports, to display the Captured Reports panel.
   - Choose **I**, List Indexes, to display the Indexed Report Definitions panel. Then
     select a report with the S line command to display the Field Indexes panel.
     This panel lists the index values and associated report pages that were
     found.
3. In the **CMD** column, type R (Reprint) next to the report that you want to print
   or next to the index value that identifies the report page or pages that you
   want to print. Then press Enter. The Search for Distribution Lists panel is
   displayed.
4. Specify search criteria to locate the distribution list to be used for this reprint
   request. You can leave the search fields blank to return all distribution lists.
5. On the Distribution List Selection panel, type an S (Select) in the CMD column
   next to the distribution list to be used, and then press Enter.
6. Optionally, you can modify details for the recipients of this reprint request
   using the following line commands:
   - E (Edit) - Edit the Recipient Details for the recipient.
   - D (Delete) -Removes the specified recipient(s) from this print request. Only
     print for the remaining recipient(s)
7. Optionally, you can add additional recipients to the print request using the
   Destination List drop-down menu.
8. When you are ready to print the report, select **Print** from the **File** drop-down
   menu. The request is queued for printing.

Batch printing archives

You can batch print archives from the ISPF interface using a PJ (Print Job) line
command on the Archived Reports panel.

1. From the Output Manager main menu, choose option **V**, View Reports, and
   press Enter.
2. From the View Selection menu, choose **A**, Archived Sysouts, to display the
   Archived Sysouts panel.
3. In the **CMD** column, type PJ (Print Job) next to the archive that you want to
   batch print, then press Enter. The Batch Print Archive panel is displayed.
4. On the Batch Print Archive panel, specify the printer attributes and job details
   for this print job:

Note: Because the initial values presented on this panel are the values in the OUTPUT JCL statement at the time of capture, it is recommended to modify at least one initial value to prevent recapture. The batch print job use these values for its SYSOUT, and if not modified the output may be recaptured by IBM Tivoli Output Manager.

- **Class**: Specify the one-character output class for the SYSOUT data set. This value can be a letter from A through Z or a number from 0 through 9. If you do not know which class to use, ask your system administrator. Corresponds to the JCL CLASS parameter. This parameter is an invalid character, a question mark, by default. You must change it to a valid character.

- **was**: Indicates the Class value for the original archive.

- **Dest**: Specify the destination for the SYSOUT data set. A destination can be a remote or local terminal, a node, a node and a remote work station, a node and a user ID, or a local device or group of devices. Corresponds to the JCL DEST parameter. This parameter is blank by default.

- **Copies**: Specify the number of copies to print. You can specify a number from 0 through 255 (on JES2). The default value is the value on the job this SYSOUT was captured from. If 0 is specified, no copies are printed. Corresponds to the JCL COPIES parameter.

- **Page Def**: Indicates the name of the library member, the PAGEDEF, that contains statements to tell the print services facility how to print the SYSOUT data set on a page-mode printer. Up to 8 characters.

- **Form Def**: Indicates the name of the library member, the FORMDEF, that contains statements to tell the print services facility how to print the SYSOUT data set on a page-mode printer. Up to 8 characters.

- **PRMODE**: Indicates the printing process mode to be used for printing the SYSOUT data set.
  - Line: The data set uses a line-mode printer.
  - Page: The data set uses a page-mode printer.
  - Name: Type a name to specify a process mode (up to 8 characters).

- **OPTCD**: The default value is blank. The only other valid value for this field is J.

- **TRC**: Indicate whether the logical records for the SYSOUT data set contain table reference character (TRC) codes. Valid values are: Y (include TRC codes) and N (do not include TRC codes).

- **Writer**: Indicates the name of the external writer that processes the SYSOUT data set rather than JES. Up to 8 characters.

- **Priority**: Indicates the print priority. A higher number means the data set is to be printed sooner. Valid values are between 0 and 255.

- **Line Count**: Indicates the maximum number of lines to be printed per pages. Valid values are between 0 and 255. Only applies to JES2 systems.

- **Input Tray**: Indicates the maximum number of lines to be printed per pages. Valid values are between 0 and 255. Only applies to JES2 systems.

- **Output Bin**: Indicates the number associated with the output tray. Valid values are between 1 and 65535.

- **Duplex**: Indicate if you want this report to be printed in duplex mode, which is double-sided. Valid entries are:
  - No - do not print this report in duplex mode.
  - Normal - print this report in duplex mode with the output bound along the long edge of the paper.

- Tumble - Duplex printing with the output bound along the short edge of the paper.
- **Outdisp**: Indicates the disposition of the SYSOUT data set when the job completes normally and abnormally (NORMAL, ABNORMAL). Abnormal should not occur, however it is included for completeness. The possible values for both norm disp and cond disp are the same, as follows:
  - WRITE Indicates that the sysout data set is to be printed. After printing the data set, the system purges it. Unless it is held by the system or operator, a sysout data set with the disposition WRITE always print.
  - HOLD Indicates that the system is to hold the sysout data set until the user or operator releases it. Releasing the sysout data set changes its disposition to WRITE. If HOLD output is not released, the system holds it until the user or operator purges it. NJE Note: In an NJE environment, the system does not hold the data set until it reaches its ultimate destination node.
  - KEEP Indicates that the sysout data set is to be printed. After it is printed, its disposition changes to LEAVE.
  - LEAVE Indicates that after the user or operator releases the sysout data set, its disposition changes to KEEP. If LEAVE output is not released, the system holds it until the user or operator purges it.
  - PURGE Indicates that the sysout data set is to be deleted without printing it.
- **Chars**: Specifies the name of one or more coded fonts for printing SYSOUT on an AFP printer. Corresponds to the CHARS parameter.
- **Burst**: Type Yes or No to indicate whether you want to physically burst the report which separates the report into smaller reports based on specific criteria, such as branch number.
- **Flash**: Indicates whether a forms overlay should be used in printing the SYSOUT data set.
  - Name: The name of the forms overlay to be used in printing the SYSOUT data set (up to 4 characters).
  - STD: Uses the standard forms overlay that was specified during JES3 initialization (STD only applies to JES3 systems).
  - None: No flashing for this SYSOUT data set.
- **Modify**: Type the name of a copy-modification module that specifies how to print the SYSOUT on a 3800 printing subsystem. Corresponds to the MODIFY parameter.
- **Copy Grp**: Specifies how many copies of each page are to be printed, with a maximum of eight group-values. Each group-value is 1 through 3 decimal numbers, with a valid range from 1 through 255. The sum of the CopyGroup fields must not exceed 255. Corresponds to the COPYG parameter, COPYG=(group-value,group-value,...). For more information, see the JCL Reference manual. The default for these fields is 0.
- **Page Ranges**: Specify the pages, range of pages, or multiple ranges of pages, that are to be printed. This option allows you to specify that only part of the report is to be printed (partial print). You can specify individual pages with a space between each page number (for example 1 3 5), or a range of pages using a colon (for example specifying 1:5 prints pages 1 through 5, inclusive. When specifying a range of pages, the first number must be smaller than the second number.
- **View**: The name of the formatted view in which to display the report.
- **Banner**: The name of the banner page to be included with the report.

- **Header/Trailer/Both**: Specify whether the specified banner is to be a header banner, a trailer banner, or both.

5. In the **Job Details** section, enter the Job card parameters under which the batch print job is to be submitted. The Job Name is automatically set to the value specified in the Job Name field at the top of this panel. Any parameter values you specify in this section are saved to your ISPF profile and used to re-populate this field for any subsequent Batch Archive print jobs issued by the PJ command.

   Note: Blank lines do not cause JCL Job statement continuations to be generated. If your JCL is continued onto another line, you must use a continuation character. Additionally, it is not necessary to enter leading // characters, they are provided in the left column.

6. When you are ready to print the archive, press F3 (Exit). The job is submitted.

Changing your security Access ID during your session

If the report administrator has configured Output Manager security to allow you to change your Access ID during your session, you can do so from the Report Search Criteria panel.

Note: If the Access Mask associated with your Access ID contains one or more wildcards, your Access ID can be changed. The Access Mask field is displayed on the Report Search Criteria panel, above your Access ID.

1. Type V (View) on the Output Manager main menu and press Enter. The View Selection panel is displayed.
2. Type R (Reports) on the View Reports panel and press Enter.
3. If allowed by your security settings, you can change your Access ID on the Report Search Criteria panel. To do so:
   a. Enter a Valid Access ID value in the Access ID field. A valid Access must be derived from the Access Mask. The Access Mask field (read-only) is displayed to provide reference for valid values for your Access ID. If the Access Mask value does not contain wildcards, you cannot change your Access ID.
   b. Press Enter. The Captured Reports panel is displayed. The reports displayed on the Captured Reports panel are the reports for which your Access ID has access to.

Column display functions

Column display functions (**CSETUP** functions) enable you to rearrange report columns, change the width of individual columns, and control the vertical ordering of columns.

CSETUP functionality enables you to:
- Rearrange report columns horizontally using the **CFIX** and **CORDER** options.
- Change the width of individual columns using the **CSIZE** option.
- Control the vertical ordering of columns using the **CSORT** option.
- Hide a column using the **CHIDE** option.

Additional column display functions enable you to:
- Scroll horizontally between columns, in both left and right directions.

- Scroll horizontally within a single report column while other report columns remain stationary on the screen.
- Insert column numbers above each display column.
- Generate a ruler at the top of the report columns beneath the headings.
- Display an entire row-column data element.

Please note that there are restrictions that apply to the use of **CSETUP** functionality.

The customizations, or views, you configure using **CFIX**, **CORDER**, **CSIZE**, and **CSORT** can be saved across sessions.

Please note the following regarding syntax:
- Underlined text indicates the minimum acceptable abbreviation for each keyword.
- Variables are shown in italicized lowercase type.
- Keyword options are separated by vertical lines (|).

Accessing the CSETUP Primary Option Menu

The **CSETUP** primary option menu enables you to access the various **CSETUP** options and configure column display functions according to your display needs.

The **CSETUP** command uses the following syntax:

CSETUP
>   Launches the CSETUP Primary Option Menu.

To access and use the CSETUP Primary Option Menu:

1. On any dynamic display (for example, the Objects Profile Display panel, the Utilities Profile Display panel, or the Jobs Profile Display panel), type **CSETUP** (or **CSET**) in the Option line and press Enter. The Setup Primary Option Menu displays.
2. Type the number corresponding to the option you want to access in the Command line and press Enter. The following options are available on the Setup Primary Option Menu:

   CFIX   Option 1, **CFIX**, enables you to fix and unfix columns.

   CORDER Option 2, **CORDER**, enables you to reposition columns.

   CSIZE   Option 3, **CSIZE**, enables you to change the displayed width of columns.

   CSORT   Option 4, **CSORT**, enables you to select one or more columns for sorting and thus modify the order of the rows displayed.

   RESET   Option 5, **RESET**, enables you to reset all customizations.

   PVIEW   Option 6, **PVIEW**, enables you to toggle between permanent view and temporary view.

   Note: You can also directly invoke each **CSETUP** option by typing the corresponding command (for example, **CFIX**, **CORDER**, **CSIZE**, **CSORT**, **RESET**, or **PVIEW**) in the option line on any dynamic display and pressing **Enter**.

Fixing a column

The CFIX option enables you to fix and unfix columns. A fixed column is always located at the far left side of the display.

It does not shift horizontally (as unfixed columns do) when scrolling to the left or right. INNER COLUMN SCROLLING and CEXPAND may be used on a fixed column if the column is narrower than its maximum width. Certain columns may be permanently fixed in the report and cannot be unfixed by the user. Such a column has a fix status of P (permanently fixed).

A column cannot be fixed if it is larger than the available display area. There are also restrictions for fixing columns related to the size requirements of other columns.

To fix a column:

1. Type **CFIX** in the option line on any display panel and press **Enter**.

   The following fields appear on the Define Fixed Columns panel:

   Column Function
   > Enables you to jump to any of the CSETUP functions by typing in the appropriate number. The number corresponding to the current option displays in this field.

   Permanent View
   > Indicates whether or not the view you define is permanent or temporary. Valid values are:
   > - **Y**–View customizations are permanent.
   > - **N**–View customizations are temporary.

   Reset View
   > Resets all customizations.

   Device_Width
   > Shows the current display device size (screen width).

   Old_Fixed_Width
   > Shows the sum of the FIXED column widths prior to any changes in the current CFIX panel.

   Old_Unfixed_Width
   > Shows the UNFIXED area prior to any changes in the current CFIX panel. Old_Unfixed_Width = Device_Width - Old_Fixed_Width.

   New_Fixed_Width
   > Shows the sum of the FIXED column widths that result if the FIX/UNIFIX changes are saved.

   New_Unfixed_Width
   > Shows the UNFIXED area that result if the FIX/UNFIX changes are saved. New_Unfixed_Width = Device_Width - New_Fixed_Width.

   Cmd   Field where you specify line commands. Valid line commands are F (fix) and U (unfix).

   New   Displays the new CFIX view settings.

   Old   Displays the previous CFIX view settings.

   Len   Shows the length of the column.

   Column_Name
   > Shows the name of the column.

2. Type **F** in the **Cmd** field next to column(s) you want to fix.
3. Type **U** in the **Cmd** field next to column(s) you want to unfix.

4. Press **Enter**. The changed values display in the **New** column next to the corresponding column(s).

5. Press **PF3** to save changes and return to the display panel.

Repositioning columns

The `CORDER` option enables you to reposition report columns. If any columns are fixed, they are grouped together as the leftmost report columns. The unfixed columns are grouped together to the right of any fixed columns.

`CORDER` does not move a column out of its group. A fixed column cannot be relocated to the right of an unfixed column. Likewise, an unfixed column cannot be relocated to the left of a fixed column.

To reposition columns:

1. Type `CORDER` in the option line on any display panel and press **Enter**.

   The following fields appear on the Define Column Display Order panel:

   Column Function
   Enables you to jump to any of the CSETUP functions by typing in the appropriate number. The number corresponding to the current option displays in this field.

   Permanent View
   Indicates whether or not the view you define is permanent or temporary. Valid values are:
   - **Y**–View customizations are permanent.
   - **N**–View customizations are temporary.

   Reset View
   Resets all customizations.

   Cmd   Field where you specify the number for column position.

   Fix   Displays fixed columns. Valid values are:
   - F–Indicates the column is fixed.
   - P–Indicates the column is permanently fixed.

   New   Displays the new CORDER view settings.

   Old   Displays the previous CORDER view settings.

   Column_Name
   Shows the name of the column.

2. Type a number next to a column to specify its order.

3. Press **Enter**. The new column order numbers display in the **New** column next to each column.

4. Press **PF3** to return to the display panel.

Resizing columns

The CSIZE option enables you to change the displayed width of columns.

This function is primarily intended for non-numeric data where there are large blank areas in all (or most) rows in a given column. Although the displayed width may change, the underlying data does not change.

If a column's size is less than the column maximum, it is possible that some date is not displayed. INNER COLUMN SCROLLING and CEXPAND can be used to see data outside the display range of the resized column.

Note: If the minimum and maximum column widths are equal, the column cannot be resized.

To resize columns:

1. Type **CSIZE** in the option line on any display panel and press **Enter**.

   The following fields appear on the Define Column Size panel:

   Column Function
   > Enables you to jump to any of the CSETUP functions by typing in the appropriate number. The number corresponding to the current option displays in this field.

   Permanent View
   > Indicate whether or not the view you define is permanent or temporary. Valid values are:
   > - **Y**–View customizations are permanent.
   > - **N**–View customizations are temporary.

   Reset View
   > Resets all customizations.

   Device_Width
   > Shows the current display device size (screen width).

   Old_Fixed_Width
   > Shows the sum of the FIXED column widths.

   Old_Unfixed_Width
   > Shows the UNFIXED area.

   New_Fixed_Width
   > Shows the sum of the FIXED column widths.

   New_Unfixed_Width
   > Shows the UNFIXED area.

   Cmd   Field where you specify the number for column position.

   New   Displays the new CSIZE view settings.

   Old   Displays the previous CSIZE view settings.

   Min   Displays the minimum column length.

   > **Note:** If the minimum and maximum column widths are equal, the column cannot be resized.

   Max   Displays the maximum column length.

   > **Note:** If the minimum and maximum column widths are equal, the column cannot be resized.

   Fix   Displays fixed columns. Valid values are:
   > - **F**–Indicates the column is fixed.
   > - **P**–Indicates the column is permanently fixed.

   Column_Name
   > Shows the name of the column.

2. Type the desired column size in the **Cmd** field next to the column you want to resize.

>   **Note:** The column size you specify must be between the Min and Max values shown for that column.

3. Press **Enter**. The new view criteria display in the **New** column.
4. Press **PF3** to return to the display panel.

Sort functionality

CSORT functionality enables you to select one or more columns for sorting and thus modify the order of the rows displayed on many product panels.

Columns are selected by sort priority and direction. Direction is either ascending (default) or descending. When more than one column is selected for sorting, the second column only differentiates when rows have matching data in the first column. Similarly, a third column only impacts the sort when data in both the first two columns are identical.

Defining sort columns

You can sort display data by columns. You can select up to nine columns for sorting.

A maximum of nine columns can be selected for sorting at one time. Internal requirements may create a smaller maximum. A message is issued if the maximum number of columns selected for sorting is exceeded.

Note: CSORT and **SORT** are synonymous.

1. Type **CSORT** (or **SORT**) in the option line on any display panel and press **Enter**.

   The following fields appear on the Define Sort Columns panel:

   Column Function
   > Enables you to jump to any of the CSETUP functions by typing in the appropriate number. The number corresponding to the current option displays in this field.

   Permanent View
   > Indicate whether or not the view you define is permanent or temporary. Valid values are:
   > - **Y**–View customizations are permanent.
   > - **N**–View customizations are temporary.

   Stop Sorting
   > Indicates whether or not to stop sorting as specified. Valid values are:
   > - **Y**–Stop sorting.
   > - **N**–Continue sorting.

   Cmd   Field where you specify the sort order.

   Dir   Specifies the lexicographic order for the column. Valid values are:
   > - **A**–(Default) Values are listed in ascending order, smallest to largest.
   > - **D**–Values are listed in descending order, largest to smallest.

   New   Displays the new CSORT view settings.

   Old   Displays the previous CSORT view settings.

> **Column_Name**
>> Shows the name of the column.

2. Type **A** or **D** in the **Cmd** field next to the columns on which you want to base your sort.
3. Press **Enter**. The new sort preferences are displayed in the **New** column.
4. Press **PF3** to return to the display panel.

Fast-path SORT command

The SORT command can be used as a primary (fast-path) command by typing the appropriate SORT syntax in the Option line of any report panel and pressing Enter.

The functionality supports both single and multi-column sorting and enables users to specify sort order (ascending or descending) for each column in the sort.

Syntax for single-column sorting

The syntax for single-column sorting is as follows:

SORT column_identifier dir

Where *column_identifier* is either the **column name** or the **relative column number** and *dir* is the direction in which to sort the column data. Valid values for *dir* are:

asc (Default) Sorts data in ascending order.

desc Sorts data in descending order.

Notes:

1. There must be a space between the *column_identifier* and its *dir* (if used).
2. The **relative column number** for a column is determined based on the column's placement when visible on the screen. Thus, relative column numbers are only available for columns currently visible on the screen. Relative column numbers are determined by counting the displayed columns from left to right, with the leftmost visible column being assigned the number '1' and each successive column (reading left to right) being assigned a relative column number that is incremented by 1. **Hint:** To quickly determine the column number, use the `CNUM` command to toggle on the column numbers above each display column.
3. You can sort on a column that is not displayed if you use the **column name** (instead of the **relative column number**) as the column_identifier in the SORT syntax.

Multi-column sorting

The syntax for multi-column sorting is as follows:

SORT *column_identifier dir column_identifier dir*

Where *column_identifier* is either the column name or the relative column number and *dir* is an optional indication of the direction in which to sort the column data. Valid values for *dir* are:

asc (Default) Sorts data in ascending order.

desc Sorts data in descending order.

Please note that *column_identifier* and *dir* values must all be separated by spaces. The maximum number of columns that can be sorted at once is 9.

Usage examples

For a report display that has three columns, all of which display on the screen:

Column 1: Name

Column 2 Creator

Column 3: Status

The following examples show how you can sort these columns:

SORT NAME
> Sorts display data in ascending order based on the value in the **Name** column (when no dir value is specified, the default sort order is ascending, thus **SORT NAME** and **SORT NAME A** are synonymous).

SORT NAME D
> Sorts display data in descending order based on the value in the **Name** column.

SORT NAME DESC
> Sorts display data in descending order based on the value in the **Name** column.

SORT NAME A CREATOR D
> Sorts display data first in ascending order based on the value in the **Name** column and then sorts data in descending order based on the value in the **Creator** column.

SORT NAME ASC CREATOR DESC
> Sorts display data first in ascending order based on the value in the **Name** column and then sorts data in descending order based on the value in the **Creator** column.

SORT 1 A
> Sorts display data in ascending order based on the value in the **Name** column.

SORT 1 A CREATOR D
> Sorts display data first in ascending order based on the value in the **Name** column and then sorts data in descending order based on the value in the **Creator** column.

SORT 3 2 1
> Sorts the display data first in ascending order based on the value in the **Status** column, then in ascending order based on the value in the **Creator** column, and finally in ascending order based on the value in the Name column.

Note: Please note, when you specify a column name using any of the above formats, you may enclose it in single quotes, double quotes, or be without any quotes. For example, the following are equivalent:

> **SORT NAME D**

> **SORT 'NAME' D**

```
        SORT "NAME" D
```

Resetting CSETUP customizations

The **RESET** option enables you to reset all customizations.

After **RESET** is issued, all fixed columns are unfixed (except for any permanently fixed columns), all selected sort columns are deselected and sorting is disabled, all column sizes are set to the initial values or maximum values if no suggested value previously existed, and original column locations are restored.

1. To issue the **RESET** option, access the Setup Primary Option Menu by typing **CSETUP** in the option line of any report display and pressing Enter. The Setup Primary Option Menu displays.

2. Type **5** in the command line and press **Enter**. **RESET** is issued and all fixed columns are unfixed (except for any permanently fixed columns), all selected sort columns are deselected and sorting is disabled, all column sizes are set to the initial values or maximum values if no suggested value previously existed, and original column locations are restored.

3. Alternatively, you can issue the **RESET** command as a primary command using the following syntax:

   RESET
       Resets all customizations (unfixes fixed columns, deselects selected sort columns, sorting disabled, column sizes set to initial values, original column locations restored).

   Note: RESET differs from **CREMOVE** in that **CREMOVE** sets all column sizes to their maximum values ignoring any initial, suggested sizes.

Column numbers

Column numbers can be inserted above each display column.

The inserted column numbers are relative to the leftmost display column. Use the following command to invoke column numbering:

CNUM
    Enables you to toggle on/off the column numbers above each display column.

Notes:

1. The leftmost displayed column is always numbered one (1) regardless of how far to the right you scroll.

2. You can use column numbers when issuing the **SORT** fast-path command.

3. Column numbers are not removed by **RESET** nor **CREMOVE**. To remove column numbers, reissue the **CNUM** command.

Ruler display

The **COLS** command enables you to generate a ruler at the top of the report columns beneath the headings.

This ruler tracks the current position within the column. The < > symbols indicate whether there is additional column data to the left or right of the displayed data. For example:

```
<-5----2----5->
```

In this example, positions 13 through 28 are displayed. There is data both to the left and right of the currently displayed area.

The **COLS** command can be issued by itself, as a toggle switch, or with one parameter (ON|OFF). The syntax is as follows:

COLS (ON|OFF)

Enables you to generate a ruler at the top of the report columns to track the current position within the column.

Restrictions

The following restrictions apply to CSETUP options.

- Total fixed column sizes cannot exceed screen width.
- Total fixed column sizes must leave enough unfixed space for the minimum allowed size for all unfixed columns. If a column is not eligible for resizing, the column's minimum size requirement is the same as its maximum size. Minimum and maximum sizes for all columns are shown in the CSIZE display.
- If a column has been resized, then its current width is treated as its smallest allowable size. When a column is resized its current size must fit on the screen completely. For example, on an 80-byte screen with no fixed columns, a 128-byte column can only be resized to 80 bytes or less (assuming no conflicting minimum size associated with the column). If there were two 10-byte fixed columns, for a total fixed area size of 20-bytes, the 128-byte column would be limited to 60 bytes or its minimum allowed size, whichever was smaller.

Appendix. Messages

This section describes the messages that Output Manager generates in the following order:

- **Started task and program messages:** The messages from the Output Manager started task and programs have message numbers that use the format BJT*nnnnn*, where *nnnnn* is a number.
- **ISPF interface messages:** The messages from the Output Manager ISPF interface have message numbers that use the format BJTM*nnnl*, where *nnn* is a number and *l* is a letter.
- **Universal Batch Utility messages:** The messages from the Output Manager Universal Batch Utility have message numbers that use the format BJTU*nnnl*, where *nnn* is a number and *l* is a letter.
- **BJTBATCH messages:** The messages from the Output Manager BJTBATCH program have message numbers that use the format BJTP*nnnl*, where *nnn* is a number and *l* is a letter.
- **Common messages:** The messages from common components, such as the SORT function, have message numbers that use the format BJT*nnn*, where *nnn* is a number.

In all messages, variables are shown in *italics*. Some messages end with one of the following severity codes:

Table 1. Message severity codes

Severity Code	Description
I	Informational message. No error occurred, and no user action is required. The message is informational only.
W	Warning message. No error occurred but results might not be as expected or incomplete.
E	Error message. Some errors can be corrected by users, for example, by changing the JCL change or a parameter. The User Response provides the suggested course of action. Output may not have been generated.
S	Severe error message. A severe syntax, internal, or environmental error occurred. The User Response provides the suggested course of action. Users may need to call IBM Software Support for assistance in resolving these errors.

Command and response messages are recorded in the started task DDname SYSPRINT.

BJT1102E   **TPL requires Metal/C, which requires z/OS 1.9 or higher.**

Explanation: Current operating system level does not support the Text Processing Language (TPL) feature of Output Manager. If you plan to use TPL rules, you must install Metal/C, which requires z/OS 1.9 or higher. If you do not plan to use TPL rules, you can ignore this message.

System action: TPL processing is disabled.

User response: None required.

BJT01001I   **Product(*product_name*) is already running**

Explanation: This message is informational only.

User response: No action is required.

Module: BJTSTART

BJT01002I   **Name Token retrieve failed,**
                  rc=*return_code*

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSTART

BJT01006I   **Unable to create name token,**
                  rc=*return_code*

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSTART

BJT01007I   **Product parm block acquired at(***location***)**

Explanation: This message is informational only.

User response: No action is required.

Module: BJTSTART

BJT01008I   **Unable to obtain storage for product**
                  block, rc=*return_code*

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSTART

BJT01011I   **Unable to obtain storage for initialize**
                  WS, rc=*return_code*

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSTART

BJT01012I   **Attach of initializer subtask failed,**
                  rc=*return_code*

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSTART

BJT02001I   **No plist passed to BJTSINIT**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02002I   **No PARMs in plist passed to BJTSINIT**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02003I   **No INIW block passed to BJTSINIT**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02004I   **Bad INIW block passed to BJTSINIT**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02005I   **No PROD block passed to BJTSINIT**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02006I   **Bad PROD block passed to BJTSINIT**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02007I   **Unable to acquire private storage,**
              rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02008I   **Unable to open report file,**
              rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02009I   **Function table is corrupted a(********)**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02010I   **Product block located at** *location*

Explanation: This message is informational only.

User response: No action is required.

Module: BJTSINIT

BJT02011I   **Unable to format dataspace,**
              rc=*return_code***, rs=***reason_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02012I   **IBM Output Manager is ready for**
              commands

Explanation: Output Manager product startup is complete.

User response: No action is required.

Module: BJTSINIT

BJT02013I   **Shutdown process is beginning**

Explanation: Output Manager is in the process of shutting down.

User response: No action is required.

Module: BJTSINIT

BJT02014I   **Service subtasks being terminated**

Explanation: Output Manager is in the process of shutting down.

User response: No action is required.

Module: BJTSINIT

BJT02015I   **Subtask manager acknowledges**
              shutdown request

Explanation: Output Manager is in the process of shutting down.

User response: No action is required.

Module: BJTSINIT

BJT02016I   **Service subtasks termination complete**

Explanation: Output Manager is in the process of shutting down.

User response: No action is required.

Module: BJTSINIT

BJT02017I   **ETDIS failed rc=***return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02018I   **ETDES failed rc=***return code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02019I   **Starting Module Residency Initialization**

Explanation: Output Manager is in the process of starting.

User response: No action is required.

Module: BJTSINIT

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BJT02020I **Resource Manager Stub has bad footprint, a=********

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02021I **Can not obtain storage for resmgr, rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02022I **RESMGR ADD for **** failed rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02023I **RESMGR DELETE for **** failed rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02028I **Unable to obtain function block storage rc=(*return_code*)

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02029I **Function block obtained at A(********)

Explanation: This message is informational only.

User response: No action is required.

Module: BJTSINIT

BJT02033I **Error loading module *module*, rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02034I **Error loading module *module*, rc=*return_code*, rs=*reason_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02038I **Starting configuration file processing**

Explanation: Output Manager has begun processing the contents of the CONFIGUR DD in the started task JCL as part of started task startup.

User response: No action is required.

Module: BJTSINIT

BJT02039I **DD(*ddname*) is not present in JCL, can not process configuration file**

Explanation: The JCL in the PROC for starting the Output Manager started task contains an error. As a result, the configuration information that is specified by the CONFIGUR DD cannot be processed.

User response: Notify your report administrator or systems administrator about the problem.

Module: BJTSINIT

BJT02040I **Unable to obtain storage for configuration file, rc=*return_code*

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02041I   Unable to open configuration file

Explanation: A problem that is associated with
product initialization occurred.

User response: Notify your systems programmer
about the problem. If the problem persists, gather all
details and contact Technical Support for assistance.

Module: BJTSINIT

**BJT02043I   Allocation of ABEND table failed
rc-**_return_code_

Explanation: A problem that is associated with
product initialization occurred.

User response: Notify your systems programmer
about the problem. If the problem persists, gather all
details and contact Technical Support for assistance.

Module: BJTSINIT

BJT02044I   Product diagnostic token=_token_value_

Explanation: This message is informational only.

User response: No action is required.

Module: BJTSINIT

BJT02045I   DB2 critical resource is unavailable

Explanation: DB2 is running, but a DB2 resource that
Output Manager requires is unavailable. For example, a
table might be unavailable for updating because it is in
RO (read only) mode. As a result, the Output Manager
started task will shut down in a controlled manner.

User response: Correct the situation that is preventing
access to the required DB2 resource, and then restart
the Output Manager started task.

Module: BJTSINIT

BJT02046I   DB2 connection failure detected

Explanation: While Output Manager was running, its
connection to the DB2 subsystem that contains its
database was lost. As a result, Output Manager
terminates any active selector tasks and shuts down in
a controlled manner. No report SYSOUT that is on the
JES spool will be lost.

User response: Restart the DB2 subsystem, if
necessary. Then, restart the Output Manager started
task.

Module: BJTSINIT

BJT02047I   DB2 subsystem outage detected

Explanation: DB2 was not running when the Output
Manager started task started, or DB2 terminated
unexpectedly while Output Manager was running. As a
result, Output Manager will shut down in a controlled
manner. No report SYSOUT that is on the JES spool
will be lost.

User response: Start DB2, and then restart the Output
Manager started task. Output Manager will then
activate the selector tasks and archive the report
SYSOUT.

Module: BJTSINIT

BJT02049I   SQL error code detected = _sql_code_

Explanation: A database error occurred that prevented
normal product processing from continuing. The
Output Manager started task has shut down. This
message provides the SQL error code that was issued.

User response: Provide the text of this message,
including the SQL error code, to your DB2 systems
administrator for diagnostic use.

Module: BJTSINIT

BJT02050S   Command processor abended

Explanation: The Output Manager command that was
issued terminated abnormally.

User response: Contact your report administrator or
systems administrator.

Module: BJTSINIT

BJT02051E   Command processor failed

Explanation: The Output Manager command that was
issued completed with a non-zero return code.

User response: Contact your systems administrator to
investigate the problem.

Module: BJTSINIT

**BJT02052I   Starting file processing for
preconfiguration**

Explanation: Output Manager has begun processing
the contents of the configuration file that is specified by
the PRECONFG DD in the started task JCL. This
"preconfiguration" processing occurs early in the
startup of the started task.

User response: No action is required.

Module: BJTSINIT

BJT02053I   **DD(**ddname**) is not present in JCL, can not process preconfiguration file**

Explanation: The PROC for starting the Output Manager started task does not contain the required PRECONFG DD statement. As a result, the configuration file that is specified by the PRECONFG DD cannot be processed.

User response: Add the PRECONFG DD statement to the started task JCL. This DD specifies the preconfiguration file that contains the startup commands to be processed early in the startup of the started task. Although the PRECONFG DD is required and must specify the preconfiguration file (BJT#IN05 by default), the commands in the preconfiguration file are optional and can be commented out.

Module: BJTSINIT

BJT02054I   **Unable to obtain storage for preconfiguration file, rc=**return_code

Explanation: Sufficient storage cannot be obtained for the started task preconfiguration file probably because the Output Manager region does not have enough virtual memory.

User response: Try increasing the storage for the preconfiguration file.

Module: BJTSINIT

BJT02055I   **Unable to open preconfiguration file**

Explanation: The preconfiguration file that is specified by the PRECONFG DD in the started task JCL cannot be opened because it is either missing or improperly configured.

User response: Ensure that the PRECONFG DD in the started task JCL is correctly specified.

Module: BJTSINIT

BJT02056I   **Primary JES subsystem is active: JES2**

Explanation: At product startup, JES2 has been detected as the primary job entry subsystem.

User response: No action is required.

Module: BJTSINIT

BJT02057I   **Primary JES subsystem is active: JES3**

Explanation: At product startup, JES3 has been detected as the primary job entry subsystem.

User response: No action is required.

Module: BJTSINIT

BJT02058I   **Allocation of TKAN failed rc=**********

Explanation: At product startup, the allocation of the TKANBLOK data area failed. As a result, the report access identity security feature (implemented through SET REPACC and SET REPACCID) will be unavailable for use.

User response: Contact your systems programmer.

Module: BJTSINIT

BJT02059I   **ITOM Started task USER=******** GROUP=**********

Explanation: This message is informational only, and issued at product start up. It indicates the user id and group that the ITOM started task is using.

User response: No action is required.

Module: BJTSINIT

BJT03001E   **No command entered**

Explanation: This message is informational only.

User response: No action is required.

Module: BJTRCMDS

BJT03002E   **Command** command_name **is not a valid command**

Explanation: An invalid command was specified.

User response: Specify a valid command.

Module: BJTRCMDS

BJT03003I   **Command received:** command

Explanation: This message is informational only.

User response: No action is required.

Module: BJTRCMDS

BJT03004I   **Trace functionality has not been initialized**

Explanation: This message is informational only.

User response: No action is required.

Module: BJTRCMDS

BJT03005E   **Trace control block is corrupted a(**location**)**

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03006I   Trace table has not yet been acquired

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03007I   Trace table exists at(*location*) for a length of *nnnnnnnn*

Explanation: This message is informational only.

User response: No action is required.

Module: BJTRCMDS

BJT03008I   Tracing is currently *status*

Explanation: This message is informational only.

User response: No action is required.

Module: BJTRCMDS

BJT03009I   A trace table is pending deletion a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03010I   A prior trace table delete is pending, enter the TRACECOMMIT command, a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03011E   Trace table must be greater than zero and less than 64K, requested=*amount*

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required.

Module: BJTRCMDS

BJT03012E   Storage obtain failed for trace table, rc-*return_code*

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03013E   Trace table has been corrupted, a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03014I   Trace table exists at(*location*) for a length of *nnnnnnnn*

Explanation: This message is informational only.

User response: No action is required.

Module: BJTRCMDS

BJT03015E   Trace control does not currently exist

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03016E   Trace control has been corrupted

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03017I   A prior trace table delete is pending, enter the TRACECOMMIT command, a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03018I   Trace table is ready for deletion, enter the TRACE COMMIT command, a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03019E   Trace control does not currently exist

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03020E   Trace control has been corrupted

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03021E   No trace table is pending delete

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03022E   Trace table has been corrupted a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03023I   Trace table at(*location***) of len(***length***) has been freed**

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03024E   Trace control does not currently exist

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03025E   Trace control has been corrupted

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03026E   Trace stub is not present

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03027I   Trace has now been turned on

Explanation: This message is an internal trace message.

User response: No action is required.

Module: BJTRCMDS

BJT03028E   Trace table is missing or bad a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03032I   Trace has now been turned off

Explanation: This message is an internal trace message.

User response: No action is required.

Module: BJTRCMDS

BJT03034E   Trace control does not currently exist

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03035E   Trace control has been corrupted

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03036E   Trace table does not exist

Explanation: This message is an internal trace message.

User response: No action is required.

Module: BJTRCMDS

BJT03037E   Trace table has been corrupted a(********)

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03038I   Trace has been reset

Explanation: This message is an internal trace message.

User response: No action is required.

Module: BJTRCMDS

BJT03039I   Storage obtain failed for trace control, rc=*return_code*

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03040I   Storage obtain failed for trace stub, rc=*return_code*

Explanation: This message indicates a problem with the product's internal trace routines.

User response: No action is required if the product is otherwise operating normally.

Module: BJTRCMDS

BJT03085E   Errors encountered...command terminated

Explanation: An error occurred during command processing within the product started task.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03086E   Selection policy activation failed, rc=*return_code*

Explanation: An error occurred during command processing within the product started task.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03087E   Data set attribute processing failed rc=*return_code*

Explanation: An error occurred during command processing within the product started task.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03089E   Dsn mask in archive attribute *name* has bad variable construct

Explanation: Validation of the specified set of archive attributes failed. The archive mask is invalid.

User response: Notify your report administrator about the problem. The administrator can then correct the problem.

Module: BJTRCMDS

BJT03090E   Dsn mask in archive attribute *name* has level greater than 8

Explanation: Validation of the specified set of archive attributes failed. The archive mask is invalid.

User response: Notify your report administrator about the problem. The administrator can then correct the problem.

Module: BJTRCMDS

BJT03091E   Dsn mask in archive attribute *name* has unknown variable name

Explanation: Validation of the specified set of archive attributes failed. The archive mask is invalid.

User response: Notify your report administrator about the problem. The administrator can then correct the problem.

Module: BJTRCMDS

BJT03092E   **Dsn mask in archive attribute** *name* **has too many levels**

Explanation: Validation of the specified set of archive attributes failed. The archive mask is invalid.

User response: Notify your report administrator about the problem. The administrator can then correct the problem.

Module: BJTRCMDS

BJT03093E   **No storage available for selections,** **rc=***return_code* **,rs=***reason_code*

Explanation: An error occurred during command processing within the product started task.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03094E   **DB2 SET requires ID or TABLE parameter**

Explanation: An error occurred when Output Manager was processing an interactive command or a product startup command (a command in the configuration member that is specified in the CONFIGUR DD statement of the started task JCL).

User response: Notify your report administrator about the problem. The administrator can then correct any errors in the command syntax.

Module: BJTRCMDS

BJT03095E   **A DB2 ID is required for the DB2 SET ID command**

Explanation: An error occurred when Output Manager was processing an interactive command or a product startup command (a command in the configuration member that is specified in the CONFIGUR DD statement of the started task JCL).

User response: Notify your report administrator about the problem. The administrator can then correct any errors in the command syntax.

Module: BJTRCMDS

BJT03096E   **DB2 ID length of** *number_of_characters* **is too long, 4 char max**

Explanation: An error occurred when Output Manager was processing an interactive command or a product startup command (a command in the configuration member that is specified in the CONFIGUR DD statement of the started task JCL).

User response: Notify your report administrator about the problem. The administrator can then correct any

errors in the command syntax.

Module: BJTRCMDS

BJT03097I   **DB2 ID has been set to** *ssid*

Explanation: This message is issued in response to the DB2 SET ID command. It indicates that the DB2 subsystem ID has been successfully set for the subsystem that the Output Manager started task will use.

User response: No action is required.

Module: BJTRCMDS

BJT03098E   **A DB2 PLAN is required for the DB2 SET PLAN command**

Explanation: The startup command DB2 SET PLAN was issued without a required plan name.

User response: Notify your report administrator about the problem. The administrator can then specify a plan name to correct the command syntax.

Module: BJTRCMDS

BJT03099E   **DB2 PLAN length of** *number_of_characters* **is too long, 8 char max**

Explanation: The DB2 SET PLAN command was issued with a plan name that is longer than the specified maximum number of characters for this value. The plan name must be eight characters or less.

User response: Notify your report administrator about the problem. The administrator can then correct the plan name so that it is eight characters or less.

Module: BJTRCMDS

BJT03100I   **DB2 PLAN has been set to** *plan_name*

Explanation: This message is issued in response to the DB2 SET PLAN command. It indicates that the name of the DB2 plan for accessing Output Manager tables has been successfully set.

User response: No action is required.

Module: BJTRCMDS

BJT03101E   **DB2 QUERY requires ID or TABLE parameter**

Explanation: An error occurred when Output Manager was processing an interactive command or a product startup command (a command in the configuration member that is specified in the CONFIGUR DD statement of the started task JCL).

User response: Notify your report administrator about the problem. The administrator can then correct any errors in the command syntax.

Module: BJTRCMDS

BJT03102I   DB2 ID has not yet been set

Explanation: An error occurred when Output Manager was processing an interactive command or a product startup command (a command in the configuration member that is specified in the CONFIGUR DD statement of the started task JCL).

User response: Notify your report administrator about the problem. The administrator can then correct any errors in the command syntax.

Module: BJTRCMDS

BJT03103I   DB2 ID is *ssid*

Explanation: This message is issued in response to the DB2 QUERY ID command. It identifies the DB2 subsystem ID that is currently set for the Output Manager started task (the ID that was set with the DB2 SET ID command).

User response: No action is required.

Module: BJTRCMDS

BJT03104I   DB2 PLAN has not yet been set

Explanation: A DB2 plan name has not yet been set with the DB2 SET PLAN command. A plan name is required for the Output Manager started task.

User response: Notify your report administrator. The administrator can then set the plan name by issuing the DB2 SET PLAN command with a valid plan name.

Module: BJTRCMDS

BJT03105I   DB2 PLAN is *plan_name*

Explanation: This message is issued in response to the DB2 QUERY TABLE command. It indicates the name of the DB2 plan that is currently used to access the Output Manager tables (the plan name that was set with the DB2 SET PLAN command).

User response: No action is required.

Module: BJTRCMDS

BJT03106E   SAF SET requires ID parameter

Explanation: The SAF SET ID command was issued without a required ID value. A SAF ID is required to implement Output Manager external security.

User response: Notify your report administrator about the problem. The administrator can then re-issue the SAF SET ID command with a valid ID value of 3 to 8 characters in length.

Module: BJTRCMDS

BJT03107E   SAF ID length of *number_of_characters* **is too long, 8 char max**

Explanation: This message is issued in response to the SAF SET ID command. It indicates that the SAF ID that was specified is longer than the maximum allowable length of eight characters. The SAF ID is used for external security.

User response: Notify your report administrator about the problem. The administrator can reset the SAF ID to ensure that it is eight characters or less in length.

Module: BJTRCMDS

BJT03108E   SAF ID length of *number_of_characters* **is too short, 3 char min**

Explanation: This message is issued in response to the SAF SET ID command. It indicates that the SAF ID that was specified is shorter than the minimum allowable length of three characters. The SAF ID is used for external security.

User response: Notify your report administrator about the problem. The administrator can reset the SAF ID to ensure that it is at least three characters in length.

Module: BJTRCMDS

BJT03109I   SAF ID has been set to *value*

Explanation: This message is issued in response to the SAF SET ID command. It indicates that the SAF ID was successfully set to specified value for the Output Manager started task. This ID is required to implement external security.

User response: No action is required.

Module: BJTRCMDS

BJT03110I   SAF ID has been reset

Explanation: This message indicates that the SAF ID value has been reset. You set this ID by using the SAF SET ID global command. The ID is required to implement Output Manager external security.

User response: No action is required.

Module: BJTRCMDS

BJT03111E   SAF Class length of *number_of_characters* **is too long, 8 char max**

Explanation: This message is issued in response to the SAF SET CLASS command. It indicates that the SAF class that was specified is longer than the maximum allowable length of eight characters. This class is used in implementing external security on Output Manager resources.

User response: Notify your report administrator about the problem. The administrator can reset the SAF class

to ensure that it is eight characters or less in length.

Module: BJTRCMDS

BJT03112E   **SAF Class length of** *number_of_characters* **is too short, 3 char min**

Explanation: This message is issued in response to the SAF SET CLASS command. It indicates that the SAF class that was specified is shorter than the minimum allowable length of three characters. This class is used in implementing external security on Output Manager resources.

User response: Notify your report administrator about the problem. The administrator can reset the SAF class to ensure that it is at least three characters in length.

Module: BJTRCMDS

BJT03113I   **SAF Class has been set to** *class*

Explanation: This message is issued in response to the SAF SET CLASS command. It indicates that the SAF class has been successfully set to the specified value. A SAF class can be used for Output Manager external security.

User response: No action is required.

Module: BJTRCMDS

BJT03114E   **No SAF Class specified on set command**

Explanation: An SAF class was not set. This class is required for implementing Output Manager external security.

User response: Notify your report administrator about the problem. The administrator can then set the SAF class.

Module: BJTRCMDS

BJT03115I   **SAF ID has not yet been set**

Explanation: This message is issued in response to the SAF QUERY ID command. It indicates that a SAF ID has not yet been set for the Output Manager started task. A SAF ID is required to implement external security on Output Manager resources.

User response: Notify your report administrator. The administrator can then set the SAF ID by issuing the SAF SET ID command.

Module: BJTRCMDS

BJT03116I   **SAF ID is** *identifier*

Explanation: This message identifies the SAF ID that is currently set for the Output Manager started task. You specify this plan name with the SAF SET ID command.

User response: No action is required.

Module: BJTRCMDS

BJT03117I   **SAF Class has not yet been set**

Explanation: This message is issued in response to the SAF QUERY CLASS command. It indicates that a SAF class has not yet been set for the Output Manager started task. A SAF class is required to implement external security on Output Manager resources.

User response: Notify your report administrator. The administrator can then set the SAF Class by issuing the appropriate command.

Module: BJTRCMDS

BJT03118I   **SAF Class is** *class*

Explanation: This message identifies the SAF class that is currently set for the Output Manager started task. This class is used for implementing external security on Output Manager resources.

User response: No action is required.

Module: BJTRCMDS

BJT03119E   **LOG SET requires option to be set**

Explanation: An error occurred when Output Manager was processing an interactive command or a product startup command (a command in the configuration member that is specified in the CONFIGUR DD statement of the started task JCL).

User response: Notify your report administrator about the problem. The administrator can then correct any errors in the command syntax.

Module: BJTRCMDS

BJT03141E   **ON or OFF must be specified for LOG SET FMTSYSO command**

Explanation: The LOG SET FMTSYSO command was issued without the required ON or OFF option.

User response: Notify your report administrator about the problem. The administrator can then re-issue the command using the correct syntax: the command name followed by the option ON or OFF.

Module: BJTRCMDS

BJT03142E   **Sysout class must be 1 character in length**

Explanation: An invalid SYSOUT class was specified for the log. A SYSOUT class can be only one character in length.

User response: Notify your report administrator about the problem. The administrator can re-issue the

command with a valid SYSOUT class.

Module: BJTRCMDS

BJT03143E *class* **is not a valid sysout class**

Explanation: An invalid SYSOUT class was specified for the log.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a valid one-character SYSOUT class.

Module: BJTRCMDS

BJT03144I **Log sysout class has been set to** *class*

Explanation: The SYSOUT class for the log was successfully set to the specified one-character class value.

User response: No action is required.

Module: BJTRCMDS

BJT03160E **LOG CLOSE function failed,**
rc=*return_code*

Explanation: The LOG CLOSE function failed with the specified return code.

User response: Contact your report administrator to diagnose the problem. Provide the administrator with specified return code.

Module: BJTRCMDS

BJT03161I **LOG CLOSE function scheduled**

Explanation: The LOG CLOSE function has been scheduled for execution.

User response: No action is required.

Module: BJTRCMDS

BJT03168I **VARIABLE SET requires a**
NAME=VALUE specification

Explanation: The VARIABLE SET command was issued without a required variable name and value. This command is used to specify a value for a reserved or user-defined banner page variable.

User response: Notify your report administrator about the error. The administrator can then re-issue the VARIABLE SET command with the name of a valid banner variable and a variable value.

Module: BJTRCMDS

BJT03169I **VARIABLE** *variable_name* **set** *value*

Explanation: This message indicates that the named variable was set to the specified value by the VARIABLE SET command.

User response: No action is required.

Module: BJTRCMDS

BJT03170I **VARIABLE DELETE requires a variable**
name and value

Explanation: The VARIABLE DELETE command was issued without a required banner variable name and value.

User response: Notify your report administrator about the problem. The administrator can then re-issue the command with the name and value of a banner variable that was previously set.

Module: BJTRCMDS

BJT03171I **VARIABLE DELETE failed,** *variable_name*
not found

Explanation: The VARIABLE DELETE command was issued with an invalid variable name. You must specify the name of a banner variable that was previously set with the VARIABLE SET command.

User response: Notify your report administrator about the problem. The administrator can then re-issue the command with a valid banner variable name and value.

Module: BJTRCMDS

BJT03172I **VARIABLE** *variable_name* **deleted**

Explanation: The specification for the named banner variable was deleted with the VARIABLE DELETE command.

User response: No action is required.

Module: BJTRCMDS

BJT03173I **VARIABLE DISPLAY could not find the**
variable

Explanation: The VARIABLE DISPLAY command could not display a banner variable value because the variable could not be found.

User response: Notify the report administrator about the problem. The administrator can check the variable name and then re-issue the VARIABLE DISPLAY command with the correct name.

Module: BJTRCMDS

BJT03174I   VARIABLE *variable_name* **set,** *value*

Explanation: The named variable is set to the specified value.

User response: No action is required.

Module: BJTRCMDS

BJT03175I   PROTVIEW option set to *value*

Explanation: This message identifies the security option that was set by the PROTVIEW command.

User response: No action is required.

Module: BJTRCMDS

BJT03176I   PROTVIEW option is invalid,
              PROTVIEW currently set to *value*

Explanation: The PROTVIEW command was specified with an invalid value for the security option.

User response: Notify the report administrator about the problem. The administrator can correct the command syntax and then re-issue the command. Valid options are OFF, USER, AUDIT, ADMIN, and SAF.

Module: BJTRCMDS

BJT03177E   SUBMIT SET requires logical name

Explanation: A SUBMIT SET command was specified without a required logical name.

User response: Notify the report administrator about the problem. The administrator can re-issue the command with a valid logical name.

Module: BJTRCMDS

BJT03178E   SUBMIT SET requires PROC name

Explanation: A SUBMIT SET command was specified without a required PROC name (for example, the PROC for recalling HSM-migrated data sets).

User response: Notify the report administrator about the problem. The administrator can re-issue the command with a valid PROC name.

Module: BJTRCMDS

BJT03179E   SUBMIT SET logical name length not
              positive

Explanation: A SUBMIT SET command was specified with an invalid logical name length.

User response: Notify the report administrator about the problem. The administrator can re-issue the command with a valid logical name.

Module: BJTRCMDS

BJT03180E   SUBMIT SET logical name too long, 8
              char max

Explanation: A SUBMIT SET command was specified with a logical name that is longer than the maximum allowable length of eight characters for this value.

User response: Notify the report administrator about the problem. The administrator can re-issue the command with a logical name that is eight characters or less in length.

Module: BJTRCMDS

BJT03181E   SUBMIT SET PROC name length not
              positive

Explanation: A SUBMIT SET command was specified with an invalid PROC name length.

User response: Notify the report administrator about the problem. The administrator can re-issue the command with a valid PROC name.

Module: BJTRCMDS

BJT03182E   SUBMIT SET PROC name too long, 8
              char max

Explanation: A SUBMIT SET command was specified with a PROC name that is longer than the maximum allowable length of eight characters for this value.

User response: Notify the report administrator about the problem. The administrator can re-issue the command with a PROC name that is eight characters or less in length.

Module: BJTRCMDS

BJT03183E   No storage available for lnam block,
              rc=*return_code*

Explanation: An error occurred during command processing within the product started task. No storage is available for the logical name block.

User response: Contact your systems programmer. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03184E   Logical name block at *location* **is bad id**
              = *identifier*

Explanation: An error occurred during command processing within the product started task.

User response: Contact your systems programmer. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03185I   **Logical name** *lname* **has been set to PROC** *proc_name*

Explanation: This message is displayed in response to the SUBMIT SET command. It indicates that the logical name has been set to the specified PROC name.

User response: No action is required.

Module: BJTRCMDS

BJT03186E   **Logical name block at** *location* **is bad id =** *identifier*

Explanation: An error occurred during command processing within the product started task.

User response: Contact your systems programmer. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03187I   **Logical name** *lname* **is mapped to PROC** *proc_name*

Explanation: This message is displayed in response to the SUBMT QUERY command. It identifies the logical name that is currently mapped to the specified PROC name.

User response: No action is required.

Module: BJTRCMDS

BJT03196E   **Activate Selector error, rc=***return_code***, rs=***reason_code*

Explanation: An error occurred during command processing within the product started task.

User response: Contact your systems programmer. If the problem persists, gather all details and contact Technical Support for assistance.

Module: BJTRCMDS

BJT03198E   *value* **is not a valid verb for the** *command_name* **command**

Explanation: An error occurred while processing the specified command. An invalid verb value was encountered.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a valid verb value.

Module: BJTRCMDS

BJT03199E   *command_name* **command requires parameters**

Explanation: The specified command was issued without its required parameters.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with the required parameters.

Module: BJTRCMDS

BJT03200E   **SET CONDCODE requires a value**

Explanation: A parameter value was not specified for the SET CONDCODE command, or the parameter value was specified incorrectly for this command in the SBJTSAMP member BJT#IN03.

User response: Specify one of the following valid parameter values for the SET CONDCODE command: LASTNONZERO or HIGHEST. If you specify LASTNONZERO, the **Cond** column on the Archived Reports panel will display the last non-zero condition code for a job. If you specify HIGHEST, the **Cond** column will display the highest condition code. To specify the command, you can use the Modify operator command as follows: `/F product instance,` SET CONDCODE *parameter*. If you specified the SET CONDCODE command as a startup command, check the BJT#IN03 member to ensure that you specified the parameter correctly.

Module: BJTRCMDS

BJT03201E   **SET CONDCODE parameter is not valid,** *parameter*

Explanation: The specified parameter value that was set by the SET CONDCODE command is not a valid value. The SET CONDCODE parameter determines whether the **Cond** column on the Archived Reports panel displays the last non-zero condition code for a job or the highest condition code.

User response: Specify either `SET CONDCODE LASTNONZERO` or `SET CONDCODE HIGHEST`. You can specify the command as a startup command in the SBJTSAMP member BJT#IN03 or by using the Modify (/F) operator command. If you specify the LASTNONZERO parameter value, the **Cond** column on the Archived Reports panel will display the last non-zero condition code for a job. If you specify the HIGHEST parameter value, the **Cond** column will display the highest condition code.

Module: BJTRCMDS

BJT03202I   **CONDCODE has been set to** *parameter*

Explanation: This message is issued after the SET CONDCODE command is successfully processed. It identifies the condition code parameter that was set by the command. If the parameter value is

LASTNONZERO, the **Cond** column on the Archived Reports panel will display the last non-zero condition code for a job. If the parameter value is HIGHEST, the **Cond** column will display the highest condition code.

User response: No action is required.

Module: BJTRCMDS

BJT03203I CONDCODE is set to *parameter*

Explanation: This message is issued in response to the QUERY CONDCODE command. It identifies how the condition code parameter is set. If the parameter value is LASTNONZERO, the **Cond** column on the Archived Reports panel displays the last non-zero condition code for a job. If the parameter value is HIGHEST, the **Cond** column displays the highest condition code.

User response: No action is required.

Module: BJTRCMDS

BJT03204E SET LOGCLASS requires a value

Explanation: The SET LOGCLASS command was issued without a required class value. The command specifies the SYSOUT class to use for the Activity Monitor log if the started task terminates.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a valid one-character class.

Module: BJTRCMDS

BJT03205I SET PRSETPDS command no longer specifies a PDS name value

Explanation: The SET PRSETPDS command was issued without a PDS name. Therefore, no PRSET PDS is currently set for the Output Manager started task. Possibly, the command was issued without a name to disable PRSET processing globally for the Output Manager instance.

User response: If the PDS name was inadvertently omitted, specify the SET PRSETPDS command again and include the PDS name. If you want PRSET processing to be disabled, no action is required.

Module: BJTRCMDS

BJT03206E SET PRSETPDS command specifies a PDS name that is too long

Explanation: The SET PRSETPDS command was issued with a PDS name that is too long. A PDS name can be a maximum of 44 characters in length.

User response: Specify the SET PRSETPDS command again with a PDS name that is 44 characters or less in length.

Module: BJTRCMDS

BJT03207I PRSETPDS is not set

Explanation: The QUERY PRSETPDS command was issued to determine the name of the PRSET partitioned data set (PDS) that is currently set for the Output Manager started task. However, no PRSET PDS is currently specified.

User response: No action is required.

Module: BJTRCMDS

BJT03208I PRSETPDS is set to *prset_pds_name*

Explanation: This message identifies the name of the PRSET partitioned data set (PDS) that is set for the Output Manager started task. It is displayed after the SET PRSETPDS command is successfully issued. The PRSET PDS stores binary characters that can be used to control printing on some printers.

User response: No action is required.

Module: BJTRCMDS

BJT03209E SET KEEPDEST requires a value

Explanation: The SET KEEPDEST command was issued without a destination value. This startup command specifies a mask that is used to generate keep destinations for temporarily holding SYSOUT data sets. These keep destinations are only for SYSOUT data sets that are captured based on a selector or subselector rule that specifies both a **Combine Sysout** value of **YES** and a normal **Disposition** value of **DELETE**. If you specify no destination value for the SET KEEPDEST command, Output Manager will use the default mask of TOMGR.

User response: Specify a five-character mask with the SET KEEPDEST command, or accept the default mask of TOMGR. Ensure that any mask you use will not generate keep destinations that conflict with the existing keep destinations that are in use at your site.

Module: BJTRCMDS

BJT03210E SET BUNDJCL requires a value

Explanation: The SET BUNDJCL command was issued without a required partitioned data set (PDS) name. This startup command identifies the name of the global PDS that holds all of the bundle print jobs for printing and reprinting report bundles.

User response: After "SET BUNDJCL," specify the name of the PDS that you created for storing the JCL for printing and reprinting bundle instances.

Module: BJTRCMDS

BJT03211E   BUNDLE ACT requires a value

Explanation: The BUNDLE ACT command was issued without a bundle name. This command requires the name of the report bundle that you want to activate, as specified in a bundle definition.

User response: After "BUNDLE ACT," specify the unique bundle name of the bundle to be activated.

Module: BJTRCMDS

BJT03212E   BUNDLE DEACT requires a value

Explanation: The BUNDLE DEACT command was issued without a bundle name. This command requires the name of the report bundle that you want to deactivate, as specified in a bundle definition.

User response: After BUNDLE DEACT, specify the unique bundle name of the bundle instance that you want to deactivate.

Module: BJTRCMDS

BJT03213E   SET AFPDETCT requires a value

Explanation: The SET AFPDETCT command was issued without a required option. The command name must be followed by either the value ON or OFF.

User response: After the SET AFPDETCT command, specify either ON or OFF. Specify ON only if you use AFP printers and want Output Manager to use any hexadecimal 5A characters that occur in captured SYSOUTs to determine where new pages begin. The correct detection of new pages is required for matching the index fields and condition entries that are specified in layouts against a SYSOUT. Any other ASA or Machine print-control characters that exist will also still be used.

Module: BJTRCMDS

BJT03214I   PRSETPDS is active: *prset_pds_name*

Explanation: This message identifies the name of the PRSET partitioned data set (PDS) that is currently active for the Output Manager started task. This message is displayed in response to the QUERY PRSETPDS command. The PRSET PDS stores binary characters that can be used to control printing on some printers. The PDS name is specified by the SET PRSETPDS startup command.

User response: No action is required.

Module: BJTRCMDS

BJT03215I   LIMIT *limit_type* **is set to** *value*

Explanation: This message is displayed in response to the QUERY LIMITS command. It identifies the limit that is currently set for the maximum number of activity results, archived reports, or captured reports to display (that is, a limit that was set by the SET ACTLIMIT, SET ARCLIMIT, or SET RPTLIMIT startup command).

User response: No action is required.

Module: BJTRCMDS

BJT03216E   SET *limit_type* **requires limit value**

Explanation: The specified SET command was issued without a required limit value. The SET ACTLIMIT, SET ARCLIMIT, and SET RPTLIMIT commands must be followed by a 6-digit number from 000000 through 100000. These commands limit the number of activity results, archived reports, or captured reports that are reported.

User response: Edit the specified command by adding a number from 000000 through 100000 after the command name. If you specify 000000, the product default of 010000 will be used.

Module: BJTRCMDS

BJT03217E   SET *limit_type* **parameter must be numeric, *****

Explanation: The specified SET command was issued with an invalid non-numeric value. The SET ACTLIMIT, SET ARCLIMIT, and SET RPTLIMIT commands must be followed by a 6-digit number from 000000 through 100000. These commands limit the number of activity results, archived reports, or captured reports that are reported.

User response: Edit the value that occurs after the specified command to specify a number from 000000 through 100000. If you specify 000000, the product default of 010000 will be used.

Module: BJTRCMDS

BJT03218E   SET *limit_type* **parameter can not be greater than** *value*

Explanation: The specified SET command was issued with a numeric value that is greater that the maximum allowable value. The SET ACTLIMIT, SET ARCLIMIT, and SET RPTLIMIT commands must be followed by a 6-digit number from 000000 through 100000. These commands limit the number of activity results, archived reports, or captured reports that are reported.

User response: Edit the value that occurs after the specified command to specify a number from 000000 through 100000. If you specify 000000, the product default of 010000 will be used.

BJT03219I • BJT03226E

Module: BJTRCMDS

BJT03219I   *Parameter_name* **has been set to** *value*

Explanation: This message indicates the value that was set for the specified parameter (usually by a startup command).

User response: No action is required.

Module: BJTRCMDS

BJT03220E   **SET LRECLARC has invalid parameter**

Explanation: An invalid parameter value was specified for the SET LRECLARC startup command. This command specifies the LRECL value (in bytes) to use for all of your Output Manager archived data sets.

User response: Specify a number from 0 through 32760 for the SET LRECLARC startup command. The LRECL value should be high enough to accommodate your largest archive data sets.

Module: BJTRCMDS

BJT03221I   **DB2 requests Queued=***nnnnnnnnn*
                   Total=*nnnnnnnnn* **Tasks=***nnnn*

Explanation: This message is issued in response to the DB2 QUERY QUEUES operator command. The message identifies: 1) the number of requests to the Output Manager DB2 database that are currently queued (that is, because all DB2 tasks are busy), 2) the total number of DB2 requests, and 3) the total number of DB2 tasks that are active for the Output Manager started task.

User response: No action is required.

Module: BJTRCMDS

BJT03222E   **SET DB2THD has invalid parameter**

Explanation: An invalid parameter is specified for the SET DB2THD command in the SBJTSAMP member BJT#IN05. This command sets the number of DB2 tasks to use for the Output Manager started task. Valid values are from 1 through 5. By default, two tasks are used when this command is not specified.

User response: In the SBJTSAMP member BJT#IN05, specify a number up to 5 for the SET DB2THD command. Use the following syntax: SET DB2THD *n* where *n* is a number from 1 through 5.

Module: BJTRCMDS

BJT03224E   **Invalid ACTION** *action_type* **specified for the DB2 ERROR command**

Explanation: A DB2 ERROR command in the SBJTSAMP member BJT#IN05 contains an invalid value for the ACTION keyword. The ACTION keyword indicates the type of action that Output Manager

should take when a specific SQL error causes an INSERT operation to fail. Only the following ACTION values are valid: DEFAULT, ERROR, TERMINATE.

User response: In the SBJTSAMP member BJT#IN05, check the DB2 ERROR commands that include the ACTION keyword. Ensure that each ACTION keyword specifies one of the following valid values:

- **DEFAULT** - The default behavior. Refer to the comments in the BJT#IN05 member for an explanation.
- **ERROR** - Issue an error after retrying the INSERT operation the number of times that is specified by the COUNT option.
- **TERMINATE** - Terminate the Output Manager started task after retrying the INSERT operation the number of times that is specified by the COUNT option.

Alternatively, you can remove the ACTION keyword from the command if the default behavior is acceptable.

Module: BJTRCMDS

BJT03225E   **Invalid RECONNECT** *value* **specified for the DB2 ERROR command**

Explanation: A DB2 ERROR command in the SBJTSAMP member BJT#IN05 contains an invalid value for the RECONNECT keyword. The RECONNECT keyword indicates whether Output Manager should attempt to reconnect to its DB2 database to retry a failed INSERT operation that is related to a specific SQL error.

User response: In the SBJTSAMP member BJT#IN05, check the DB2 ERROR commands that include the RECONNECT keyword. Ensure that each RECONNECT keyword specifies either YES or NO. Alternatively, you can remove the RECONNECT keyword if the default value of NO is acceptable.

Module: BJTRCMDS

BJT03226E   **SET RDATDSTH requires a value**

Explanation: The SET RDATDSTH command was issued without a required value. The command either enables or disables the use of the printer associated with the distribution list when capturing report-level dynamic printer attributes.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a value of either: ENABLE or DISABLE.

Module: BJTRCMDS

BJT03227E   SET OUTCLASS requires a value

Explanation: The SET OUTCLASS command was issued without a required class value. The command specifies the default SYSOUT class to be used for printed reports when the class is missing from the printer or the recipient definition.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a valid one-character class.

Module: BJTRCMDS

BJT03228E   SET VARCHIVE requires a value

Explanation: The SET VARCHIVE command was issued without a required value. The command allows either all archives to be viewed by the user, or only those archives which do not have any reports based on them.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a value of either: ALL (view all archives) or NOREPORT (view only archives which generated no reports).

Module: BJTRCMDS

BJT03229E   SET DYNBRMOD requires a value

Explanation: The SET DYNBRMOD command was issued without a required value. The command specifies a default print model to be used for basic report definitions that are created dynamically by Output Manager.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a value of either: CLASSIC or REPORT.

Module: BJTRCMDS

BJT03230E   SET REPACC requires a value

Explanation: The SET REPACC command was issued without a required value. The command is used to enable or disable the Report Access Identity security feature.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with a value of either: ENABLE or DISABLE. Also see the command SET REPACCID.

Module: BJTRCMDS

BJT03231E   SET REPACCID requires a value

Explanation: The SET REPACCID command was issued without a required value. The command is used to establish an alternative identity or user ID to be used when viewing or printing reports, as part of the report

access identity security feature.

User response: Notify your report administrator about the problem. The administrator can re-issue the command with the name of a USER ID, which must be valid with the external security product (such as RACF). Also see the command SET REPACC.

Module: BJTRCMDS

BJT13001I   Output Manager selector (*selector_id*, TCB:*task_control_block*, DEST:*destination*) started

Explanation: The specified selector is active.

User response: No action is required.

Module: BJTRSPAR

BJT13002I   Output Manager selector (*selector_id*) has terminated normally

Explanation: The specified selector terminated normally.

User response: No action is required.

Module: BJTRSPAR

BJT13003E   Output Manager selector (*selector_id*) has terminated abnormally rc=*return_code*

Explanation: The specified selector task failed, possibly because of invalid or inaccurate values in the selector definition or the associated set of archive attributes.

User response: For more information about the error, check the Activity Monitor list (option A.V) for any exceptions that are related to the selector and check the console log messages that are associated with the Output Manager started task. Also, ensure that all field values in the selector definition and in the associated set of archive attributes are valid.

Module: BJTRSPAR

BJT16001I   Connect for DB2 failed rc=*return_code* rs=*reason_code*

Explanation: An error occurred when the Output Manager started task attempted to connect to the DB2 subsystem that is named in the startup commands member.

User response: Verify that the DB2 subsystem is active. Then attempt to restart Output Manager. If the problem persists, contact Technical Support.

Module: BJTRDB2R

BJT16002I   **Open for DB2 failed rc=***return_code*
rs=*reason_code*

Explanation: An error occurred when the Output Manager started task attempted to connect to the DB2 subsystem that is named in the startup commands member.

User response: Verify that the DB2 subsystem is active. Then attempt to restart Output Manager. If the problem persists, contact Technical Support.

Module: BJTRDB2R

BJT16003I   **Translation service failed rc=***return_code*
rs=*reason_code*

Explanation: An error occurred when the Output Manager started task attempted to connect to the DB2 subsystem that is named in the startup commands member.

User response: Verify that the DB2 subsystem is active. Then attempt to restart Output Manager. If the problem persists, contact Technical Support.

Module: BJTRDB2R

BJT16004I   **SQL Error PROGN=***dbrm_member*
STNUM=*statement_number*
STYPE=*db2_statement_type*

Explanation: This message is issued when a DB2 error occurs. The message BJT16005I and a DB2 error message (as decoded by DSNTIAR) follow this message and provide additional information.

User response: No action is required.

Module: BJTRDBDR

BJT16005I   **SQL Error CODE=-***sqlcode*
ACTION=*option*

Explanation: The SQL error that has the specified SQLCODE occurred. As a result, Output Manager took the specified action. The type of action that Output Manager takes for a SQL error is determined by a DB2 ERROR startup command in the SBJTSAMP member BJT#IN05. A DB2 error message (as decoded by DSNTIAR) follows this message.

User response: Look up the SQLCODE that is provided by the related DB2 error message in the *DB2 Messages and Codes* manual to determine how to respond to the error.

Module: BJTRDBDR

BJT16006I   **BJTDBSAV record count is** *record_count*

Explanation: The connection to the DB2 database failed. To preserve the records for captured SYSOUTs that were produced by active jobs but not yet committed, Output Manager writes these records to the BJTSAVE data set. (This data set is allocated by the BJTDBSAV DD in the started task JCL.) This message identifies the number of records that were written to the BJTSAV data set. The next time the Output Manager started task is started, these records will be automatically inserted into the database.

User response: No action is required.

Module: BJTRDBDR

BJT28001I   **Selector** *selector_name* **failed,** *reason*

Explanation: The selector *selector_name* has invalid selection criteria, see the *reason* for details.

User response:

- If "*reason*" is "Authorization failed", provide at least SAF UPDATE authority for the JESSPOOL to the started task.
- For any of the following *reason* codes, fix the specified field in the selector, and do a POLICY ACTIVATE again: Invalid destination specified, USERID has error, DESTINATION has error, JOBNAME has error, FORM has error, WRITER has error, PRMODE has error, CLASS has error, FCB has error, UCS has error, CHAR has error, MOD has error, FLASH has error, new sysout class not A-Z and not 0-9, new sysout class has error, new FORMS has error, new WRITER has error, new DEST has error
- For any other *reason* message, contact customer support

Module: BJTRSPGR SAPIIF

BJT29001E   **Archive data set deleted,**
dsname=*dsname*

Explanation: This message is issued when an archive attribute has an abnormal disposition of delete, and there was an error while writing an archive. The archive data set is deleted at the time it is unallocated, and then this message is issued.

User response: Check the ITOM job logs for X37 errors.

Module: BJTRDSNS ARCDSDEL

BJT29002E   **Archive data set deleted, Zero length**
archive created, dsname=*dataset_name*

Explanation: A problem occurred during selector processing that caused an empty archive data set to be generated. When archives are listed, this row will appear with "Line count" equal to 0 (zero).

User response: Notify your systems programmer about the problem. View Archives to identify the jobname and jobID - expect to find two rows with the same job attributes; one with zero lines, the other with lines > 0. Select the row with zero lines to obtain the data set name. Delete this data set from the system catalog. The empty row will be deleted during the next CATSYNC run.

If the problem persists, set the following SLIP trap and contact Technical Support for dump analysis:

SLIP SET, JOBNAME=*started_task_name*,
MSGID=BJT29002E, ACTION=SVCD,
SDATA=(PSA,CSA,SQA,SUM,RGN,TRT), END

Module: BJTRDSNS ARCZERO

BJT29004E **The gdg version dsname=**gdg_version_dsname **is already in the catalog**

Explanation: A GDG version data set was not allocated because the data set already exists in the catalog. This problem can occur if an existing data set name conflicts with the generation data set to be allocated, or if the GDG generation number overflows and old (rolled-off) generation data sets have not been deleted.

User response: Delete the conflicting or rolled-off data set. Use IDCAMS to do a LISTCAT ALL LEVEL(*gdg_base_dsname*). If you see that all versions of this data set became rolled-off, choose the most recent version, and use IDCAMS to do an ALTER *gdg_version_dsname* ROLLIN

Module: BJTRDSNS

BJT30001E **Requesting SVCDUMP, title=**title_string

Explanation: Output Manager is requesting a dump because an abend occurred. The dump may not actually be produced if there is a SLIP trap with ACTION=NOSVCD, or because of the dump elimination (DAE) feature of MVS.

User response: If the dump is due to SB37, SD37, or SE37, find the corresponding IEC030I, IEC031I, or IEC032I message, read the explanation of the IEC message in the IBM manual, and adjust the settings in the corresponding Output Manager Archive Attributes.

- For D37, in the Archive attributes, either use "Auto Calculate" Yes or specify a non zero "Secondary quantity".
- For B37 and E37 abends, (1) make the primary and secondary allocations larger (by adjusting the Archive Attributes), (2) specify more volumes in the Archive Attributes, or (3) specify a volume count greater than 1 in the Data Class. The Data Class is selected by your site's ACS rules, and (depending on the ACS rules) can be directly specified in the Archive Attributes.

If a dump was produced, send it to customer support.

Module: BJTRSTSK SVCDTITL

BJT35001I **No Partner Info,** reason

Explanation: EZBDOMAIN has not been set up in the SERVAUTH class (SERVAUTH class must be active and raclisted). *Reason* is:

- V1R12 or newer required
- The partner is not in the same sysplex
- The security domain name is not defined
- The security domain name is not the same

User response: Contact your system security administrator.

BJTZ114 **The requested function is still under construction.**

Explanation: An attempt was made to utilize an Output Manager enhancement function that is not yet complete.

User response: No response required.

BJTZ115 **Abend (abend code) has occurred, reason (reason code)**

Explanation: An abend occurred when Output Manager attempted an operation. As a result, the program cannot complete and will terminate. This message provides the abend code and reason code that was returned from the operation.

User response: To determine the cause of the error, look up the abend code that this message provides in the IBM MVS documentation.

BJTZ119 **Policy activation command is issued.**

Explanation: The Output Manager policy activate command has been issued.

User response: No response required.

BJTZ120 **You no longer have access to this report**

Explanation: You attempted to access a report that you are not authorized to access. As a result, the report is not displayed.

User response: If you need to access the report, contact your report administrator for assistance.

BJTZ12 **Access ID (access ID) does not comply to Access Mask (access mask name).**

Explanation: An invalid value was specified in the Access ID field. An Access ID must be derived from the Access Mask.

User response: Type a valid access ID in the Access ID field.

BJTZ122   Access mask was changed by administrator

Explanation: Your access mask was changed by an administrator. Access masks determine which access IDs a user can switch to, and your access ID must be a derivative of your new access mask.

User response: Specify an access ID that is derivative of the new access mask.

BJTZ123   You are not authorized to access this archive

Explanation: You attempted to access an archive that you are not authorized to access. As a result, the archive is not displayed.

User response: If you need to access the archive, contact your report administrator for assistance.

BJTZ124   Invalid line command

Explanation: An invalid line command was issued.

User response: Specify a valid line command. For a full list of valid line commands for a panel, refer to that panel's Help by pressing PF1 or selecting Help from the drop-down list.

BJTZ125   The job associated with this report ran, but no data was generated for this report

Explanation: This message is meant to inform you that the job associated with a report ran successfully, but no data was captured because no data matched the selection criteria specified in the report selector rule.

User response: No response required.

BJTZ126   Referenced object has been deleted from the database, and the reference to it has been erased

Explanation: You successfully deleted an Output Manager object from the database. This object was referenced by another Output Manager object, and that reference was successfully deleted as well.

User response: No response required.

BJTZ127   No enabled custom reports found for this layout. Status changed to disabled

Explanation: An attempt was made to enable a layout, however, layouts can only be enabled when they have one or more custom reports enabled.

User response: Leave the layout disabled, or enable a

custom report for this layout.

BJTZ128   TPL rule expression must not be blank.

Explanation: You are attempting to save a TPL rule definition that does not contain a TPL rule expression. A TPL rule expression is required in the TPL Rule field of the TPL Rules Details panel.

User response: Type a valid TPL rule expression in the TPL Rule field. For more information on TPL rules, view the help panel of the TPL Rules Details panel.

BJTZ129   TPL rule expression must not be longer than 440 lines

Explanation: You are attempting to save a TPL rule definition, but the TPL rule expression is too long. TPL rule expressions must not exceed 440 lines.

User response: Edit the TPL rule expression in the TPL Rule field to be 440 lines or less. For more information on TPL rules, view the help panel of the TPL Rules Details panel.

BJTZ135:   Request Canceled

Explanation: You successfully canceled this process.

User response: No action is required.

BJTZ138   Program storage exhausted. Enter more specific search criteria to shorten the list of displayed items

Explanation: The total number of result rows that Output Manager returned for the panel exceeds the number of rows that can be listed on the panel at one time due to storage limitations. This situation can occur if you specified very general search criteria or if you have not previously specified any search criteria for this panel.

User response: To reduce the number of result rows, you can enter more specific search criteria by choosing option 1 (Enter Search Criteria) from the Search pull-down menu.

BJTZ140   Invalid character. Only alphanumeric characters are allowed (A-Z,a-z,0-9)

Explanation: An invalid value was specified in a field that supports only alphanumeric characters (A-Z,a-z,0-9).

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric characters (A-Z,a-z,0-9) in that field.

BJTZ141   **Invalid character. Only alphanumeric characters and wildcards allowed (A-Z,a-z,0-9,?,*)**

Explanation: An invalid value was specified in a field that supports only alphanumeric characters (A-Z,a-z,0-9) and wildcards (? and *).

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric characters (A-Z,a-z,0-9) or wildcards (? and *)in that field.

BJTZ142   **Invalid character. Only alphanumeric and national characters allowed (A-Z,a-z,0-9,@,#,$)**

Explanation: An invalid value was specified in a field that supports only alphanumeric and national characters (A-Z,a-z,0-9,@,#,$).

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric and national characters (A-Z,a-z,0-9,@,#,$) in that field.

BJTZ143   **Invalid character. Only alphanumeric, national characters, and wildcards are allowed (A-Z,a-z,0-9,@,#,$,?,*)**

Explanation: An invalid value was specified in a field that supports only alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*).

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*) in that field.

BJTZ144   **Invalid character. Only alphanumeric, national characters, and period are allowed (A-Z,a-z,0-9,@,#,$,.). The first character must be non-numeric.**

Explanation: An invalid value was specified in a field that supports only alphanumeric characters, national characters, and period ((A-Z,a-z,0-9,@,#,$,.). The first character cannot be a number.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric characters, national characters, and period (A-Z,a-z,0-9,@,#,$,.) in that field. The first character cannot be a number.

BJTZ145   **Invalid character. Only alphanumeric, national characters, period, and wildcards allowed (A-Z,a-z,0-9,@,#,$,.,?,*). The first character must be non-numeric**

Explanation: An invalid value was specified in a field that supports only alphanumeric characters, national

characters, wildcard characters, and period (A-Z,a-z,0-9,@,#,$,.,?,*). The first character cannot be a number.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric, national, and wildcard characters, and period (A-Z,a-z,0-9,@,#,$,.,?,*) in that field. The first character cannot be a number.

BJTZ146   **Blank not allowed. A blank value is not allowed.**

Explanation: A blank was specified in a field that cannot have blanks.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid value in that field.

BJTZ147   **Invalid character. Only alphanumeric and national characters allowed (A-Z,a-z,0-9,@,#,$), except** *exceptions*.

Explanation: An invalid value was specified in a field that supports only alphanumeric and national characters (A-Z,a-z,0-9,@,#,$), with the exception of the words displayed in the message.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric and national characters (A-Z,a-z,0-9,@,#,$) in that field. Make sure you do not include the invalid words displayed in this message.

BJTZ148   **Invalid character. Only alphanumeric, national, and wildcard characters allowed (A-Z,a-z,0-9,@,#,$,?,*), except words** *exceptions*.

Explanation: An invalid value was specified in a field that supports only alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*), with the exception of the words displayed in the message.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*) in that field. Make sure you do not include the invalid words displayed in this message.

BJTZ149   **Invalid value. Field value is not compatible with parent item field values**

Explanation: An invalid value was specified in a field of a child object. The fields of child objects must be derivative of the fields of the parent object.

User response: Compare the fields of the parent object with the fields of the child object and specify derivative values in the child object fields.

BJTZ150   Invalid value. Only Yes and No are allowed

Explanation: A value other than Yes or No was specified in a field that only supports Yes or No.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type Yes or No in that field.

BJTZ151   Invalid email address. Email address must be in the format "xx.xx.xx@yy.y.zz"

Explanation: An invalid email address was specified.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type an email address in the format xx.xx.xx@yy.y.zz

BJTZ152   Invalid value. Either "Able to access via ITOMWEB" or "Able to access via ISPF" must be "Yes"

Explanation: You must specify YES in either the "Able to access via ITOMWEB" field or the "Able to access via ISPF" field to specify the accessible interface.

User response: Type YES in either the "Able to access via ITOMWEB" field or the "Able to access via ISPF" field.

BJTZ153   Duplicate name. Recipient name is not unique

Explanation: The specified recipient name was not inserted into the Output Manager database because a recipient name with that value already exists. Recipient names must be unique.

User response: Type a unique value in the recipient name field.

BJTZ154   Invalid value. Job records must begin with //

Explanation: An invalid value was specified. Job records must begin with two slashes (//).

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type a job record that begins with //.

BJTZ155   Invalid jobclass. Job class must be one alphanumeric character (0-9, uppercase A-Z, or lowercase s or t).

Explanation: An invalid value was specified in the jobclass field. Job class must be one alphanumeric character (0-9, uppercase A-Z, or lowercase s or t). Lowercase s is used when job type is STC, and lowercase t is used when job type is TSU.

User response: Type a valid value in the jobclass field.

BJTZ156   Duplicate name. Selector name is not unique

Explanation: The specified selector name was not inserted into the Output Manager database because a selector name with that value already exists. Selector names must be unique.

User response: Type a unique value in the selector name field.

BJTZ157   Invalid character. Only alphanumeric and national characters are allowed (A-Z,a-z,0-9,@,#,$), except words (INTRDR, STDWTR, NJERDR)

Explanation: An invalid value was specified in a field that supports only alphanumeric and national characters (A-Z,a-z,0-9,@,#,$), with the exception of the words displayed in the message.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric and national characters (A-Z,a-z,0-9,@,#,$) in that field. Make sure you do not include the invalid words displayed in this message.

BJTZ158   Duplicate name. Rule name is not unique

Explanation: The specified rule name was not inserted into the Output Manager database because a rule name with that value already exists. Rule names must be unique.

User response: Type a unique value in the rule name field.

BJTZ159   Duplicate name. Rule name is not unique.

Explanation: The specified rule name was not inserted into the Output Manager database because a rule name with that value already exists. Rule names must be unique.

User response: Type a unique value in the rule name field.

BJTZ160   Invalid value. There are subselectors conflicting with this selector configuration.

Explanation: An invalid value was specified in one or more of the selection fields. This selector rule is a parent selector rule, and this modification would result in orphaning one or more of its child subselector rules, the modification was not applied. The selection criteria of subselector rules must be derivative of the associated parent selector rule.

User response: To return to editing the parent selector, press Enter or type CANCEL. To review the list of conflicting subselector rules, including the fields in conflict, type CONFLIST on the command line and press Enter.

BJTZ161   **Invalid email. Email address must contain one and only one @ symbol.**

Explanation: An invalid email address was specified. The value specified is either missing an @ symbol, or it contains too many @ symbols. One and only one @ symbol is required.

User response: Specify a valid email address with one and only one @ symbol.

BJTZ162   **Invalid email. There is more than one @ symbol in email.**

Explanation: An invalid email address was specified. The value specified contains too many @ symbols. One and only one @ symbol is required.

User response: Specify a valid email address with one and only one @ symbol.

BJTZ163   **Invalid email. @ symbol cannot be the first or last character of email.**

Explanation: An invalid email address was specified. The value specified either begins with or ends with an @ symbol, but the @ symbol cannot be the first or last character of an email address.

User response: Specify a valid email address with one and only one @ symbol that is not the first or last character.

BJTZ164   **Invalid Job Class. Job Class must contain only "A-Z 0-9" symbols when Job Type is Batch.**

Explanation: An invalid value was specified in the Job Class field. When the Job Type is set to BATCH, valid characters are A-Z 0-9.

User response: Specify a valid value in the job class field.

BJTZ165   **Invalid Job Class. Job Class must be blank or "s" when Job Type is STC.**

Explanation: An invalid value was specified in the Job Class field. When the Job Type is set to STC, job class must be blank or lowercase s.

User response: Specify a valid value in the job class field.

BJTZ166   **Invalid Job Class. Job Class must be blank or "t" when Job Type is TSO.**

Explanation: An invalid value was specified in the Job Class field. When the Job Type is set to TSO, job class must be blank or lowercase t.

User response: Specify a valid value in the job class field.

BJTZ167   **Invalid Job Class. Job Class must contain only "A-Z 0-9" symbols when Job Type is Appc.**

Explanation: An invalid value was specified in the Job Class field. When the Job Type is set to Appc, job class must be uppercase A-Z, or numbers 0-9. It cannot be lowercase s or t.

User response: Specify a valid value in the job class field.

BJTZ168   **Invalid Job Class. Job Class must contain only uppercase A-Z, lowercase s or t, or 0-9 symbols when Job Type is All.**

Explanation: An invalid value was specified in the Job Class field. When the Job Type is set to All, job class must be uppercase A-Z, lowercase s or t, or numbers 0-9.

User response: Specify a valid value in the job class field.

BJTZ169   **Invalid Destination. Destination contains an invalid value.**

Explanation: An invalid value was specific in the Destination field.

User response: Specify a valid value in the destination field.

BJTZ170   **Invalid character. Only alphanumeric and national characters allowed (A-Z,a-z,0-9,@,#,$). The first character must be non-numeric.**

Explanation: An invalid value was specified in a field that supports only alphanumeric and national characters (A-Z,a-z,0-9,@,#,$).

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric and national characters (A-Z,a-z,0-9,@,#,$) in that field.

BJTZ171   **Invalid character. Only alphanumeric and national characters allowed (A-Z,a-z,0-9,@,#,$), except words (***invalid words***). The first character must be non-numeric.**

Explanation: An invalid value was specified in a field that supports only alphanumeric and national characters (A-Z,a-z,0-9,@,#,$), with the exception of the words displayed in the message.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric and national characters (A-Z,a-z,0-9,@,#,$) in that field. Make sure you do not include the invalid words displayed in this message.

BJTZ172   **Invalid character. Only alphanumeric, national, and wildcard characters are allowed (A-Z,a-z,0-9,@,#,$,?,*). First character must be non-numeric.**

Explanation: An invalid value was specified in a field that supports only alphanumeric characters, national characters, wildcard characters (A-Z,a-z,0-9,@,#,$,?,*). The first character cannot be a number.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*) in that field. The first character cannot be a number.

BJTZ173   **Invalid character. Only alphanumeric, national, and wildcard characters are allowed (A-Z,a-z,0-9,@,#,$,?,*), except words (***invalid words***). The first character must be non-numeric.**

Explanation: An invalid value was specified in a field that supports only alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*), with the exception of the words displayed in the message. The first character cannot be a number.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify alphanumeric, national, and wildcard characters (A-Z,a-z,0-9,@,#,$,?,*) in that field. Make sure you do not include the invalid words displayed in this message. The first character cannot be a number.

BJTZ174   **Invalid argument. Positive integer argument expected.**

Explanation: An invalid argument was specified. Only positive numbers are allowed.

User response: Specify a positive number for the argument.

BJTZ175   **Database connection failed.**

Explanation: While Output Manager was running, its connection to the DB2 subsystem that contains its database was lost. As a result, Output Manager terminates any active selector tasks and shuts down in a controlled manner. No report SYSOUT that is on the JES spool will be lost.

User response: Restart the DB2 subsystem, if necessary. Then, restart the Output Manager started task.

BJTZ176   **Archive row not found in database.**

Explanation: Output Manager did not find an entry for the archive in the database.

User response: No action is required.

BJTZ177   **Report row not found in database.**

Explanation: Output Manager did not find an entry for the report in the database.

User response: No action is required.

BJTZ178   **Duplicate name. Archive Attribute name is not unique.**

Explanation: The specified archive attribute name was not inserted into the Output Manager database because an archive attribute with that name already exists. Archive attribute names must be unique.

User response: Type a unique value in the archive attribute name field.

BJTZ179   **Duplicate name. Layout Field name is not unique.**

Explanation: The specified layout field name was not inserted into the Output Manager database because a layout field with that name already exists. Layout field names must be unique.

User response: Type a unique value in the layout field name field.

BJTZ200A   **Invalid color. Only Red, Pink, Green, Yellow, Blue, Turquoise or White allowed**

Explanation: An invalid color was specified in a color field on the User Preferences panel. This message identifies the valid colors.

User response: Specify a valid color by typing the first letter of the color name, as follows: R (red), P (pink), G (green), Y (yellow), B (blue), T (turquoise), or W (white).

BJTZ200B   **Invalid hilite. Only None, Blink, Reverse, or Uscore allowed.**

Explanation: An invalid value was specified for a hilite field on the User Preferences panel. A hilite value indicates how to highlight a specified type of information. This message identifies the valid hilite values.

User response: Type one of the following valid values: Blink (display flashing text), Reverse (reverse the background and foreground colors), Uscore (underscore the text), or None (do not use highlighting).

BJTZ200C   **Invalid intensity. Only Low or High allowed.**

Explanation: An invalid value was specified in an intensity field on the User Preferences panel. An intensity value indicates the level of brightness. The only valid values are Low and High.

User response: Type either Low or High for the intensity.

BJTZ200D   **Preferences saved in your profile dataset.**

Explanation: The preferences that you specified have been successfully saved to your ISPF profile data set. These preferences will be used for your future Output Manager sessions until you change them.

User response: No action is required.

BJTZ203   **Subsystem type is incorrect. Only *, STC, ITOMWeb, and ISPF are allowed.**

Explanation: An invalid value was specified for the subsystem name. The subsystem type must be *, STC, ITOMWeb, ISPF, or BJTBATCH.

User response: Type *, STC, ITOMWeb, or ISPF in the subsystem type field.

BJTZ204   **Blank is not allowed. Subsystem name must not be blank.**

Explanation: An invalid value was specified for the subsystem name. The subsystem name cannot be blank.

User response: Specify a valid subsystem name.

BJTZ205   **Policy updated.**

Explanation: The Output Manager policy was successfully updated. Any new or updated rules have read into memory and available for use by Output Manager.

User response: No action is required.

BJTZ206:   **Policy deleted.**

Explanation: You successfully deleted a policy.

User response: No action is required.

BJTZ207   **Subsystem type must be 'Started task' for policy activation**

Explanation: You issued the policy activate command, but the value in the Type field is not Started Task. Policy Activate can only be used for Started Task type.

User response: Type Started Task in the Type field.

BJTZ210C   **Invalid Exists. Only Leave, Replace, or Extend are allowed**

Explanation: An invalid value was specified in the Exists field. This field indicates what Output Manager should do if an archive already exists.

User response: In the Exists field, type one of the following valid values:

- Replace - To replace the data in the archive with the new data
- Leave - To leave the old data in the archive and not update it, and to keep the new data on the spool
- Extend - To write the new data at the end of the old archive data set

BJTZ210D   **Invalid Status. Only Enabled, Disabled, or Skip are allowed.**

Explanation: An invalid value was specified in the Status field for the rule. Only Enabled, Disabled, and Skip are valid values.

User response: In the Status field, type either Enabled (to make the rule active and available for processing), Disabled (to make the rule unavailable), or Skip (to skip the rule and continue processing).

BJTZ210E   **Invalid combine option. Only Yes or No allowed.**

Explanation: An invalid value was specified in the Combine Sysout field. This field indicates whether Output Manager should combine multiple SYSOUTs from the job that is specified in the selector rule into a single archive file. The only valid values are Yes and No.

User response: Specify either Yes or No in the Combine Sysout field.

BJTZ210G   **Invalid Job type. Only All, Batch, Tso, Stc, or APPC are allowed.**

Explanation: An invalid value was specified in the Job Type field. This field indicates the type of job to which the selector rule applies.

User response: In the Job Type field, type one of the following valid values: - All: For all jobs - Batch: For only jobs that are processed in batch mode - Appc: For only jobs that are associated with a specific application - Tso: For only jobs that are processed on TSO systems - Stc: For only jobs that are related to the started task

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BJTZ210H   Invalid jesqueue. Only All, Hold, External Writer, or Write are allowed.

Explanation: An invalid value was specified in the JES Queue field. This field indicates what to do with the jobs in the JES queue that will be archived.

User response: In the JES Queue field, type one of the following valid values: - All: To select all jobs in the JES queue - External: To select the jobs that are assigned to a special, external writer, which may or may not be a printer - Write: To select the jobs that are ready to be written to a printer - Hold: To select the jobs that are held on the JES queue but are not ready to be written

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BJTZ210I   Invalid archive source. Only J, W, or U are allowed.

Explanation: An invalid value was specified in the Source field, which is part of the archive name rule for the selector rule or subselector rule. This field determines how Output Manager generates a logical archive name (archived report name). Valid values are:

- J: Use the job name as the archive name
- W: Use a writer name that you optionally specified in the JCL for the job
- U: Use an optional user exit that gathers the text for the archive name from comments that are embedded in the JCL

User response: Specify one of the following values: J (for the job name), W (for the Writer name), or U (for the user exit).

BJTZ210M   Invalid name out. Name out can only be Yes or No.

Explanation: An invalid value was specified in the Name Out field on the Recipient Details panel. This field indicates whether the recipient's name should be generated as part of the output card.

User response: Type either Yes or No in the Name Out field.

BJTZ210P   Invalid access ID. Access ID must be derived from Access Mask.

Explanation: The Access ID value does not match the mask value of the specified row. ACCID must be a derivative of ACCMASK.

User response: Change the access ID and/or the access mask values to make the access ID value derivative of the value specified in access mask field.

BJTZ210R   Invalid access mask. A blank value in Access Mask is not allowed.

Explanation: You must specify a value in the Access Mask field.

User response: Type a valid value in the Access Mask field. You can specify a fully- qualified Access Mask, or you can include a wildcard in the Access Mask.

BJTZ210Q   Invalid copies value. The Copies value must be a number from 0-255.

Explanation: An invalid value was specified in the Copies field on the Recipient Details panel. This field specifies the number of report copies to print for the recipient.

User response: Specify a number from 0 through 255 in the Copies field. If you accept the default value of zero, the report will be distributed online but will not be printed.

BJTZ210S   Invalid duplex. Only No, Normal, or Tumble are allowed.

Explanation: An invalid value was specified in the Duplex field. This field indicates whether or not to print in duplex mode (double-sided). This message identifies the valid values.

User response: In the Duplex field, type one of the following valid values: - No: Do not print the archive in duplex mode - Normal: Print the archive in duplex mode and bind the archive along the long edge of the paper. - Tumble: Print the archive in duplex mode and bind the archive along the short edge of the paper.

BJTZ210T   Invalid burst. Only Yes or No are allowed.

Explanation: An invalid value was specified in the Burst field. This field indicates whether to physically separate a report into smaller reports based on specific criteria, for example, a branch ID.

User response: In the Burst field, type either Yes or No.

BJTZ210U   Invalid label. Only Yes or No are allowed.

Explanation: An invalid value was specified in the Label field. This field indicates whether to print a security label with the recipient's reports.

User response: In the Label field, type either Yes or No.

BJTZ210V   **Invalid sysarea. Only Yes or No are allowed.**

Explanation: An invalid value was specified in the Sys Area field. This field indicates whether a system area label is printed with the recipient's reports.

User response: In the Sys Area field, type either Yes or No.

BJTZ210W   **Try REPrint, Print, REAl, None, All, Requested, Custom, or Mixed.**

Explanation: An invalid value was specified in the Attr Usage field on the Recipient Details panel. This field indicates under what conditions the linked set of printer attributes should be used for the recipient. The message identifies the valid values for this field.

User response: In the Attr Usage field, specify one of these valid values: - Reprint: Use for Reprint requests only - Print: Use for Print requests only - Real: Use for real-time printing only - None: Use for no types of printing (Print, Reprint, and real-time) - All: Use for all types of printing - Requested: Use for any Print or Reprint request made by the recipient - Custom: Use for the real-time printing or reprinting of custom reports - Mixed: Use for real-time printing or reprinting of custom and basic reports

BJTZ210X   **Invalid attr usage. Only REPrint, Print, REAl, None, All, Requested, Custom, or Mixed are allowed.**

Explanation: An invalid value was specified in the Attr Usage field on the Recipient Details panel. This field indicates under what conditions the linked set of printer attributes should be used for the recipient. The message identifies the valid values for this field.

User response: In the Attr Usage field, specify one of these valid values: - Reprint: Use for Reprint requests only - Print: Use for Print requests only - Real: Use for real-time printing only - None: Use for no types of printing (Print, Reprint, and real-time) - All: Use for all types of printing - Requested: Use for any Print or Reprint request made by the recipient - Custom: Use for the real-time printing or reprinting of custom reports - Mixed: Use for real-time printing or reprinting of custom and basic reports

BJTZ214   **Only Keep, Delete, Hold, Syshold, or Release are allowed.**

Explanation: An invalid value was specified in the Disposition, Error Disp, or Limit Disp field for this selector rule. The Disposition field applies when archiving is successful. The Error Disp field applies when archiving fails. The Limit Disp field applies when the output data set exceeds the line limit that you specify.

User response: Specify one of the following valid

values in the Disposition, Error Disp, or Limit Disp field: - Keep: To keep the data on the spool in the same location and make a copy of it for the archive - Delete: To remove the data from the spool after making a copy of it for the archive - Hold: To keep the data on the JES spool and place it in the hold queue - Syshold: To keep the data on the JES spool and place it in the syshold queue - Release: To keep the data on the JES spool and place it in the write queue

BJTZ215   **Invalid archive source. Only J, W, or U are allowed.**

Explanation: An invalid value was specified in the Source field, which is part of the archive name rule for the selector rule or subselector rule. This field determines how Output Manager generates a logical archive name (archived report name). Valid values are:

- J: Use the job name as the archive name
- W: Use a writer name that you optionally specified in the JCL for the job
- U: Use an optional user exit that gathers the text for the archive name from comments that are embedded in the JCL

User response: Specify one of the following values: J (for the job name), W (for the writer name), or U (for the user exit).

BJTZ216   **Invalid Job type. Only All, Batch, Tso, Stc, or APPC are allowed.**

Explanation: An invalid value was specified in the Job Type field. This field indicates the type of job to which the selector rule applies.

User response: In the Job Type field, type one of the following valid values: - All: For all jobs - Batch: For only jobs that are processed in batch mode - Appc: For only jobs that are associated with a specific application - Tso: For only jobs that are processed on TSO systems - Stc: For only jobs that are related to the started task

BJTZ217   **Invalid Status. Only Enabled, Disabled, or Skip are allowed.**

Explanation: An invalid value was specified in the Status field for the rule. Only Enabled, Disabled, and Skip are valid values.

User response: In the Status field, type either Enabled (to make the rule active and available for processing), Disabled (to make the rule unavailable), or Skip (to skip the rule and continue processing).

BJTZ218   **Invalid Exists. Only Leave, Replace, or Extend are allowed.**

Explanation: An invalid value was specified in the Exists field. This field indicates what Output Manager should do if an archive already exists.

User response: In the Exists field, type one of the following valid values:

- Replace - To replace the data in the archive with the new data

- Leave - To leave the old data in the archive and not update it, and to keep the new data on the spool

- Extend - To write the new data at the end of the old archive data set

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BJTZ219   Invalid jesqueue: Only All, Hold, External Writer, or Write are allowed.

Explanation: An invalid value was specified in the JES Queue field. This field indicates what to do with the jobs in the JES queue that will be archived.

User response: In the JES Queue field, type one of the following valid values: - All: To select all jobs in the JES queue - External: To select the jobs that are assigned to a special, external writer, which may or may not be a printer - Write: To select the jobs that are ready to be written to a printer - Hold: To select the jobs that are held on the JES queue but are not ready to be written

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BJTZ220A   Not a valid number. Only numeric values are allowed.

Explanation: A non-numeric character was specified in a field that only supports numeric values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type a number in that field.

BJTZ220B   Invalid name. A field name is required.

Explanation: An invalid value was specified in the field name field. The field was not inserted into the Output Manager database.

User response: Type a valid value in the field name field.

BJTZ220D   Invalid CC. Only DCB, ASA, or Machine are allowed.

Explanation: An invalid value was specified in the CC field on the Layout panel. This field indicates the type of printer control that will be used with this report layout

User response: In the CC field, specify one of the following valid values: - DCB: To use the spacing that is assigned to the report by the application - ASA: To use ANSI-standard spacing - Machine: To use machine carriage control If you do not know which value to enter, accept the default value of DCB.

BJTZ220E   Invalid name. A layout name is required.

Explanation: An invalid value was specified in the layout name field. The layout was not inserted into the Output Manager database.

User response: Type a valid value in the layout name field.

BJTZ220G   Invalid name. An invalid PRSET member name was specified.

Explanation: An invalid value was specified in the PRSET member name field.

User response: Type a valid value in the PRSET member name field.

BJTZ220I   Invalid description. An attribute description is required

Explanation: An invalid value was specified in the description field.

User response: Type a valid value in the description field.

BJTZ220J   Invalid input. Only the characters A-Z, #, $, @, and 0-9 are allowed.

Explanation: An invalid value was specified in a field that supports only the characters A-Z, #, $, @, and 0-9.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid character (A-Z, #, $, @, and 0-9) in that field.

BJTZ220K   Invalid input. Table reference character can only be Yes or No

Explanation: An invalid value was specified in the Table ref chr field. This field indicates whether the data contains table reference characters (TRC) codes. (A TRC code indicates which font in the Char arg tbl field should be used to print the record.)

User response: In the Table ref chr field, type either Yes or No.

BJTZ220L   Invalid CopyGroup value: a non-zero value cannot be preceded by a zero value.

Explanation: An invalid value was specified in the Copy Group field. In this field, a non-zero value cannot be preceded by 0.

User response: Type a valid value in the CopyGroup field.

BJTZ220M   Invalid sum. Sum of group-values must not exceed 255.

Explanation: An invalid value was specified in one or more of the Copy Group fields. The sum of all Copy Group fields must not exceed 255.

User response: Adjust the values specified in the Copy Group fields so that the sum of the Copy Group values are less than or equal to 255.

BJTZ220Q   Invalid control. Control can only be Program, Single, Double, or Triple.

Explanation: An invalid value was specified in the Control field. This field indicates the printer control to use for spacing the output. This message identifies the valid values for the field.

User response: In the Control field, type one of these valid values: - Program: To start each logical record with a carriage control character - Single: To print the output with single spacing - Double: To print the output with double spacing - Triple: To print the output with triple spacing

BJTZ220R   Invalid resolution. Resolution format can only be P240 or P300

Explanation: An invalid value was specified in the Resolution field. This field indicates the type of resolution that is used to format the printed data set.

User response: In the Resolution field, type one of the following valid values: - P240: To format the printed data set using 240 pels per inch - P300: To format the printed data set using 300 pels per inch

BJTZ220S   Invalid disposition. Disposition can only be Hold, Keep, Leave, Purge, or Write.

Explanation: An invalid value was specified in the Disp field. This field indicates the disposition of the SYSOUT data set when a job completes normally.

User response: In the Norm Disp field, type one of the following valid options: Write, Hold, Keep, Leave, or Purge. For information about these options, see the online Help.

BJTZ220T   Invalid print errors. Print errors can only be Yes or No.

Explanation: An invalid value was specified in the Print Errors field. The first line of this field indicates whether all error messages should be printed at the end of the output data set. The second line of this field indicates the maximum number of error messages to allow before canceling the printing of the current data set.

User response: On the first line of the Print Errors

field, type either Yes or No to indicate whether all error messages should be printed at the end of the output data set. If you type No, only the messages that force an early termination of the print job are printed. On the second line, type a number from 0 through 999 to indicate the maximum number of error messages to allow before canceling the printing. A value of zero means an infinite number. This message count includes all error messages that are generated by PSF (even if you specified No on the first line to prevent the printing of error messages).

BJTZ220U   Invalid disposition. Print error disposition can only be Quit or Hold.

Explanation: An invalid value was specified in the Error Disp field. This field indicates what to do if an error occurs that forces the early termination of a print job.

User response: In the Error Disp field, type one of these valid values: - Quit - To release the data set to JES as complete, even if an early termination error occurs during printing - Hold - To keep the data set on the spool until a system operator releases it.

BJTZ220V   Invalid error blocking. Error blocking can only be Block, Char blk, Pos blk, Unblock.

Explanation: An invalid value was specified in the Err Blocking field. This field indicates how to handle the following types of errors: - Print-positioning errors - Errors that occur when the printed data goes beyond the physical limits of the page or beyond the overlay or logical page that is associated with a print job - Invalid-character errors - Errors that occur when a text character is not part of a font set This message indicates the valid values for this field.

User response: In the Err Blocking field, type one of these valid values: - Block - To not report print-positioning errors and invalid-character errors to PSF - Unblock - To report print-positioning errors and invalid-character errors to PSF - Char blk - To block invalid-character errors but report print-positioning errors - Pos blk - To block print-positioning errors but report invalid-character errors

BJTZ220W   Invalid length. Form length metric can only be Inches or CM.

Explanation: An invalid value was specified on the second line of the Form Length field. This field identifies the page length that can be printed without reconfiguring the printer; the second line indicates the unit of measurement (inches or centimeters) for the page length.

User response: On the second line of the Form Length field, type either Inches (with an uppercase "I") or CM

BJTZ221   Invalid CC. Only DCB, ASA, or Machine are allowed.

Explanation: An invalid value was specified in the CC field on the Layout panel. This field indicates the type of printer control that will be used with this report layout

User response: In the CC field, specify one of the following valid values: - DCB: To use the spacing that is assigned to the report by the application - ASA: To use ANSI-standard spacing - Machine: To use machine carriage control If you do not know which value to enter, accept the default value of DCB.

BJTZ222   Invalid value. Invalid value, must be integer in range of 1-999.

Explanation: An invalid value was specified. Only numbers 1-999 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 1-999 in that field.

BJTZ223   Invalid value. Invalid value, must be integer in range of 0-999.

Explanation: An invalid value was specified. Only numbers 0-999 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-999 in that field.

BJTZ224   Invalid disposition. Disposition can only be Hold, Keep, Leave, Purge, or Write.

Explanation: An invalid value was specified in the Norm Disp field. This field indicates the disposition of the SYSOUT data set when a job completes normally.

User response: In the Norm Disp field, type one of the following valid options: Write, Hold, Keep, Leave, or Purge.

BJTZ225   Numeric field. Only digits 1-9 are allowed.

Explanation: An invalid value was specified. Only numbers 1-9 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 1-9 in that field.

BJTZ226   Invalid resolution. Resolution format can only be P240 or P300.

Explanation: Resolution field on the Print Attributes Detail panel. This field indicates the type of resolution that is used to format the printed data set.

User response: In the Resolution field, type one of the following valid values: - P240 - To format the printed data set using 240 pels per inch - P300 - To format the printed data set using 300 pels per inch

BJTZ227   Invalid value. Value must be a number in the range of 0-99.

Explanation: An invalid value was specified. Only numbers 0-99 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-99 in that field.

BJTZ228   Invalid length. Form length metric can only be Inches or CM.

Explanation: An invalid value was specified on the second line of the Form Length field on the Print Attributes Detail panel. This field identifies the page length that can be printed without reconfiguring the printer; the second line indicates the unit of measurement (inches or centimeters) for the page length.

User response: On the second line of the Form Length field, type either Inches (with an uppercase "I") or CM.

BJTZ229   Invalid value. Line Count must be a number in the range of 0-2500.

Explanation: An invalid value was specified in the line count field. Only numbers 0-2500 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-2500 in that field.

BJTZ230A   Invalid var value. Invalid value specified in the Var column.

Explanation: An invalid value was specified in the Var column. Only numeric values from 0 through 99 are valid.

User response: Specify a valid numeric value from 0 through 99 in the Var column, as follows:

- Specify 0 if you want Output Manager to look for the condition entry field only at the exact location that is defined in the layout.
- Specify a number from 1 through 98 if you want Output Manager to look for the start of the field in the starting column that is defined in the layout and in each column to the right of that starting column, up to the number of columns that you specify for this variance.
- Specify 99 if you want Output Manager to look for the start of the field in the defined starting column and in each column to the right, up to the end of the row.

BJTZ230B   Invalid case sensitive. Only Yes or No are allowed.

Explanation: An invalid value was specified in the case sensitive field.

User response: Type YES in the case sensitive field to indicate that the same case is required. Type NO in the case sensitive field to indicate that case sensitivity is not required.

BJTZ230C   Invalid field value. Invalid value specified in the Value column.

Explanation: An invalid value was specified in the Value field. The value field specifies the character string that will be compared to the data in the captured sysout to satisfy the match condition.

User response:

BJTZ230D   Invalid operator. Invalid operator specified in the Operator column.

Explanation: When defining a custom report, you specified an invalid value in the Operator column.

User response: In the Operator column, type one of the following valid values: EQ (equals), GT (is greater than), GE (is greater than or equal to), LT (is less than), LE (is less than or equal to), or NE (is not equal to).

BJTZ230E   Invalid status. Status can only be Enabled or Disabled.

Explanation: An invalid value was specified in the Status field. Only Enabled and Disabled are valid values.

User response: In the Status field, type either Enabled (to make the rule active and available for processing) or Disabled (to make the rule unavailable).

BJTZ230F   Invalid name. A report name is required.

Explanation: An invalid value was specified in the report name field

User response: Specify a name for the report in the Report Name field. This name can be up to 24 characters in length

BJTZ230H   Only Yes or No are allowed in contiguous report field.

Explanation: An invalid value was specified in the Contiguous field. This field indicates whether the pages in the custom report occur consecutively in the SYSOUT. The only valid values are Yes and No.

User response: In the Contiguous field, type either Yes or No.

BJTZ230I   Invalid print model. Only Classic or Report are allowed.

Explanation: An invalid value was specified in the Print Model field. The only valid values are Classic and Report. This field determines which static, user-defined set of printer attributes (if any) to use for printing the report instances or the indexed report pages that are based on this report definition.

User response: Type either Classic or Report in the Print Model field. Specify Classic to use the sets of printer attributes that are linked to the recipient IDs on the distribution list that is assigned to the report definition. Specify Report to use the set of printer attributes that is linked directly to the report definition. If you specify Report, you will be able to override any Class, Copies, and Dest information from the report's set of printer attributes for individual recipients on the distribution list. You do so from the Distribution List panel.

BJTZ230J   Invalid dynamic print. Only No or Report are allowed.

Explanation: An invalid value was specified in the Dynamic Print field. The only valid values are No and Report. This field determines whether to use the "dynamic printing parameters" from the BJTDAT table for printing report instances or indexed report pages that are based on this report definition. For reports, Output Manager can capture certain key printing parameters from the SYSOUT and from the set of printer attributes that is linked to 1) the distribution list for the report or 2) the report definition. These "dynamic printing parameters" are stored in the BJTDAT table and merged at report print time.

User response: Type either No or Report in the Dynamic Print field. Specify No to obtain all printing parameters from the recipient IDs on the distribution list and the applicable user- defined set of printer attributes. (The Print Model field determines which set of printer attributes applies.) Specify Report to obtain the set of "dynamic printing parameters" from the BJTDAT table. (Any other printing parameters that are specified in the applicable set of printer attributes will still be used.)

BJTZ230M   Invalid status. Only Enabled, Disabled, or blank is valid for the Status field.

Explanation: An invalid value was specified in the Status field on the Search panel. Only Enabled or Disabled are allowed. You can also leave the field blank if you do not want to search for objects based on a status value.

User response: Specify Enabled or Disabled in the Status field. Alternatively, leave the field blank if you do not want to search for objects based on their statuses.

Appendix. Messages   **99**

BJTZ230N **Rule name is required. Rule name is required.**

Explanation: A required field is blank.

User response: Specify a rule name in the rule name field.

BJTZ230P **Numeric value required. Specify a number from 0-99999999 for the line limit.**

Explanation: An invalid value was specified. Only numbers 0-99999999 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-99999999 in that field.

BJTZ230Q **Invalid status. Only Enabled, Disabled, Skip, or blank is valid for the Status field.**

Explanation: An invalid value was specified in the Status field on the Search panel. Only Enabled or Disabled is valid. You can also leave the field blank if you do not want to search for objects based on a status value.

User response: Specify Enabled or Disabled in the Status field. Alternatively, leave the field blank if you do not want to search for objects based on their statuses.

BJTZ230S **Rule name is required. Rule name is required.**

Explanation: A required field is blank.

User response: Specify a rule name in the rule name field.

BJTZ230U **Invalid type. Only Basic, Custom, Undefined, Noreports, or All are valid.**

Explanation: The value that you specified in the Report Type field is not supported.

User response: Enter one of the following valid report types: Basic, Custom, Undefined, Noreports, All, or leave the field blank. A blank value will return both basic and custom reports.

BJTZ232 **Invalid status. Status can only be Enabled or Disabled.**

Explanation: An invalid value was specified in the Status field. Only Enabled and Disabled are valid values.

User response: In the Status field, type either Enabled (to make the rule active and available for processing) or Disabled (to make the rule unavailable).

BJTZ233 **Invalid print model. Only Classic or Report are allowed.**

Explanation: An invalid value was specified in the Print Model field. The only valid values are Classic and Report. This field determines which static, user-defined set of printer attributes (if any) to use for printing the report instances or the indexed report pages that are based on this report definition.

User response: Type either Classic or Report in the Print Model field. Specify Classic to use the sets of printer attributes that are linked to the recipient IDs on the distribution list that is assigned to the report definition. Specify Report to use the set of printer attributes that is linked directly to the report definition. If you specify Report, you will be able to override any Class, Copies, and Dest information from the report's set of printer attributes for individual recipients on the distribution list. You do so from the Distribution List panel.

BJTZ234 **Invalid dynamic print. Only No or Report are allowed.**

Explanation: An invalid value was specified in the Dynamic Print field. The only valid values are No and Report. This field determines whether to use the "dynamic printing parameters" from the BJTDAT table for printing report instances or indexed report pages that are based on this report definition. For reports, Output Manager can capture certain key printing parameters from the SYSOUT and from the set of printer attributes that is linked to 1) the distribution list for the report or 2) the report definition. These "dynamic printing parameters" are stored in the BJTDAT table and merged at report print time.

User response: Type either No or Report in the Dynamic Print field. Specify No to obtain all printing parameters from the recipient IDs on the distribution list and the applicable user- defined set of printer attributes. (The Print Model field determines which set of printer attributes applies.) Specify Report to obtain the set of "dynamic printing parameters" from the BJTDAT table. (Any other printing parameters that are specified in the applicable set of printer attributes will still be used.)

BJTZ235 **Invalid var value. Invalid value specified in the Var column.**

Explanation: An invalid value was specified in the Var column. Only numeric values from 0 through 99 are valid.

User response: Specify a valid numeric value from 0 through 99 in the Var column, as follows:

• Specify 0 if you want Output Manager to look for the condition entry field only at the exact location that is defined in the layout.

- Specify a number from 1 through 98 if you want Output Manager to look for the start of the field in the starting column that is defined in the layout and in each column to the right of that starting column, up to the number of columns that you specify for this variance.
- Specify 99 if you want Output Manager to look for the start of the field in the defined starting column and in each column to the right, up to the end of the row.

BJTZ236   **Invalid operator. Invalid operator specified in the Operator column, valid operators are: EQ, NE, GT, LT, GE, and LE.**

Explanation: When defining a custom report, you specified an invalid value in the Operator column on the Report Condition Entry panel.

User response: In the Operator column, type one of the following valid values: EQ (equals), NE (is not equal to), GT (is greater than), LT (is less than), GE (is greater than or equal to), or LE (is less than or equal to).

BJTZ238   **Invalid case sensitive. Only Yes or No are allowed.**

Explanation: An invalid value was specified in the case sensitive field.

User response: Type YES in the case sensitive field to indicate that the same case is required. Type NO in the case sensitive field to indicate that case sensitivity is not required.

BJTZ239   **Duplicate name. Report name is not unique.**

Explanation: The specified report name was not inserted into the Output Manager DB2 tables because a report already exists with that name. Reports must have unique names.

User response: Specify a unique name for the report.

BJTZ240A   **Invalid type. Invalid View Type: specify Exceptions, Normal, or All**

Explanation: An invalid value was specified in the View field on the Search panel. Only Exceptions, Normal, or All are valid. You can also leave the field blank if you do not want to search for activities based on a view value.

User response: Specify a valid value in the View field. Valid values include: - Exceptions - To only view activities for which an exception occurred - Normal - To only view the normal activities that do not have exceptions - All - To view all activities, both normal activities and those with exceptions.

BJTZ240B   **Invalid date. Relative date must be in the format of "T-nnnn", where nnnn is the number of days prior to today**

Explanation: A relative date was specified in the incorrect format in either the Before date field or the After date field. Relative dates must have the format T-nnnn, where "T" represents today and nnnn is a number of days prior to today.

User response: To specify a relative date, use the format T-nnnn. Alternatively, you can enter a specific date in the format YYYY/MM/DD, or type only T for today.

BJTZ240C   **Invalid date. Date must be valid and in the format of YYYY/MM/DD.**

Explanation: A relative date was specified in the incorrect format in either the Before date field or the After date field. Relative dates must have the format T-nnnn, where "T" represents today and nnnn is a number of days prior to today.

User response: Specify a date that is composed of valid values for the year, month, and day and that is in the format YYYY/MM/DD.

BJTZ240D   **Invalid time. Time must be valid and in the format of HH:MM:SS.**

Explanation: An invalid time value was specified. Time must be specified in the format HH:MM:SS.

User response: Specify a 24-hour time that is composed of valid hour, minute, and second values and that is in the format HH:MM:SS.

BJTZ240   **Invalid combine option. Only Yes or No are allowed.**

Explanation: An invalid value was specified in the Combine Sysout field. This field indicates whether Output Manager should combine multiple SYSOUTs from the job that is specified in the selector rule into a single archive file. The only valid values are Yes and No.

User response: Specify either Yes or No in the Combine Sysout field.

BJTZ242   **Specify DD name, Writer, or Form name. At least one of DD Name, Writer Name, or Form Name is required.**

Explanation: A value is required in at least one of the specified fields for the rule.

User response: Specify a value in the DD Name, Writer Name, or Form Name field.

BJTZ243   **Specify step name, procstep, or step num. At least one of step name, procstep, or step number is required.**

Explanation: A value is required in at least one of the specified fields for the rule.

User response: Specify a valid value in at least one of the following fields: Step Name, Proc Step, and Step Number.

BJTZ244   **Invalid input. Only Yes or No are allowed.**

Explanation: An value was specified in a field that can only have Yes or NO as valid values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify Yes or No in that field.

BJTZ245   **Invalid status. Only Enabled or Disabled are allowed.**

Explanation: An invalid value was specified in a field that can only have Enabled or Disabled as valid values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify Enabled or Disabled in that field.

BJTZ246   **Non-blank value expected. At least one of Step Name and Proc Step Name must be non-blank and not equal to "*".**

Explanation: A non-blank, non-wildcard value is required in at least one of the specified fields for the rule.

User response: Specify a valid non-wildcard value in at least one of the following fields: Step Name, Proc Step.

BJTZ247   **Non-blank value expected. At least one of DDName, Writer and Form must be non-blank and not equal to "*".**

Explanation: A non-blank, non-wildcard value is required in at l east one of the specified fields for the rule.

User response: Specify a valid non-wildcard value in the DD Name, Writer Name, or Form Name field.

BJTZ248   **Non-blank value expected. Job Name must be non-blank and not equal to "*".**

Explanation: A wildcard was specified in a field that requires a non-wildcard value.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid job name in that field.

BJTZ249   **Invalid archive mask. Archive mask cannot start with an ampersand.**

Explanation: An invalid archive mask value is specified in the Archive Mask field. Archive masks cannot begin with a variable.

User response: Specify a valid value in the archive mask field. This value must be a valid data set name, can be up to 44 characters in length, and cannot begin with an ampersand.

BJTZ250   **Invalid value. Value must be a number from 0-32767.**

Explanation: An invalid value was specified. Only numbers 0-32767 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-32767 in that field.

BJTZ251   **Invalid value. Value must be a valid name: up to eight alphanumeric characters (A-Z, #, $, @, 0-9). The first character must be alphabetic (A-Z, $, @, or #).**

Explanation: An invalid value was specified in a field. This field requires a value that is eight characters long, consisting of alphanumeric characters (A-Z, #, $, @, 0-9), and the first character must be alphabetic.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify an eight character value of alphanumeric characters (A-Z,a-z,0-9,@,#,$) in that field, with an alphabetic character first.

BJTZ252   **Invalid control. Control can only be Program, Single, Double, or Triple.**

Explanation: An invalid value was specified in the Control field on the Print Attributes Detail panel. This field indicates the printer control to use for spacing the output. This message identifies the valid values for the field.

User response: In the Control field, type one of these valid values: - Program - To start each logical record with a carriage control character - Single - To print the output with single spacing - Double - To print the output with double spacing - Triple - To print the output with triple spacing

BJTZ253   **Invalid value. Value must be a number from 0-255.**

Explanation: An invalid value was specified. Only numbers 0-255 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid

value. Specify a number 0-255 in that field.

BJTZ254   **Invalid sum. Sum of group-values must not exceed 255.**

Explanation: An invalid value was specified in one or more of the Copy Group fields. The sum of all Copy Group fields must not exceed 255.

User response: Adjust the values specified in the Copy Group fields so that the sum of the Copy Group values are less than or equal to 255.

BJTZ255   **Invalid error blocking. Error blocking can only be Block, Char blk, Pos blk, or Unblock.**

Explanation: An invalid value was specified in the Err Blocking field on the Print Attributes Detail panel. This field indicates how to handle the following types of errors: - Print-positioning errors - Errors that occur when the printed data goes beyond the physical limits of the page or beyond the overlay or logical page that is associated with a print job - Invalid-character errors - Errors that occur when a text character is not part of a font set This message indicates the valid values for this field.

User response: In the Err Blocking field, type one of these valid values: - Block - To not report print-positioning errors and invalid-character errors to PSF - Unblock - To report print-positioning errors and invalid-character errors to PSF - Char blk - To block invalid-character errors but report print-positioning errors - Pos blk - To block print-positioning errors but report invalid-character errors

BJTZ256   **Invalid disposition. Print error disposition can only be Quit or Hold.**

Explanation: An invalid value was specified in the Error Disp field on the Print Attributes Detail panel. This field indicates what to do if an error occurs that forces the early termination of a print job.

User response: In the Error Disp field, type one of these valid values: - Quit - To release the data set to JES as complete, even if an early termination error occurs during printing - Hold - To keep the data set on the spool until a system operator releases it

BJTZ257   **Invalid value. Value must be a number from 0-999.**

Explanation: An invalid value was specified. Only numbers 0-999 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-999 in that field.

BJTZ258   **Invalid CopyGroup. Invalid CopyGroup value: a non-zero value cannot be preceded by a zero value.**

Explanation: An invalid value was specified in the Copy Group field. In this field, a non-zero value cannot be preceded by 0.

User response: Type a valid value in the CopyGroup field.

BJTZ259   **Invalid value. Value must be a number from 0-65535.**

Explanation: An invalid value was specified. Only numbers 0-65535 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-65535 in that field.

BJTZ301   **You are in read-only mode, and cannot delete an entry.**

Explanation: You cannot delete an entry because you are in read-only mode. Your deletion request is ignored.

User response: If the entry needs to be deleted, contact your report administrator for assistance. Otherwise, no action is needed

BJTZ302   **This command is only available for Unformatted view.**

Explanation: A command was issued, but that command is not available for this object type.

User response: No response required.

BJTZ303   **Text type must be either PLAIN or HTML.**

Explanation: An invalid value was specified in the text type field. Valid values include PLAIN or HTML to specify the type of text to include in an email distribution.

User response: Type either PLAIN or HTML in the text type field.

BJTZ304   **Invalid attachment type. Attachment type must be either PDF or TEXT.**

Explanation: An invalid value was specified in the Attachment Type field. Valid values include PDF or TEXT to specify the type of attachment to include in an email distribution.

User response: Type either PDF or TEXT in the Attachment Type field.

BJTZ305   Invalid type. Type can only be Both, Heading, or Trailing.

Explanation: An invalid value was specified in the Type field. This field indicates where the banner page information will be printed. Valid values are Both (before and after the report data), Heading (before the report data only), and Trailing (after the report data only).

User response: Specify a valid value in the Type field.

BJTZ306   Invalid value. Value must be a number from 0-9999.

Explanation: An invalid value was specified. Only numbers 0-9999 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-9999 in that field.

BJTZ307   Duplicate name. Banner name is not unique.

Explanation: The banner name that was specified in the Name field duplicates a name that was specified for another banner. Each banner name must be unique.

User response: Specify a unique name for the banner.

BJTZ308   Duplicate name. Prset member name is not unique.

Explanation: The Prset member name that was specified in the PRSET field duplicates a name that was specified for another Prset member. Each Prset member name must be unique.

User response: Specify a unique name for the Prset member.

BJTZ309   Duplicate name. Printer attribute name is not unique.

Explanation: The printer attribute name that was specified in the Name field duplicates a name that was specified for another printer attribute. Each printer attribute name must be unique.

User response: Specify a unique name for the printer attribute.

BJTZ310   Invalid page. Page number is out of range.

Explanation: A page range was specified that exceeds the number of pages in the report or archive. Pages that exceed the page range are ignored.

User response: Correct input, specifying a valid page count.

BJTZ311   Invalid line. Line number is out of range.

Explanation: A line number was specified that exceeds the number of lines in the report or archive. Lines that exceed the line range are ignored.

User response: Correct input, specifying a valid line number.

BJTZ440A   Invalid input. Control can only be Program, Single, Double, or Triple.

Explanation: An invalid value was specified in the Control field. This field indicates the printer control to use for spacing the output. This message identifies the valid values for the field.

User response: In the Control field, type one of these valid values: - Program: To start each logical record with a carriage control character - Single: To print the output with single spacing - Double: To print the output with double spacing - Triple: To print the output with triple spacing

BJTZ440B   Invalid input. Normal disposition can only be Write, Hold, Keep, Leave, or Purge.

Explanation: An invalid value was specified in the Norm Disp field. This field indicates the disposition of the SYSOUT data set when a job completes normally.

User response: In the Norm Disp field, type one of the following valid options: Write, Hold, Keep, Leave, or Purge. For information about these options, see the associated Help panel.

BJTZ440C   Invalid input Abnormal disposition can only be Write, Hold, Keep, Leave, or Purge.

Explanation: An invalid value was specified in the Cond Disp field. This field indicates the disposition of a SYSOUT data set when a job ends abnormally.

User response: In the Cond Disp field, type one of the following valid options: Write, Hold, Keep, Leave, or Purge. For details on these options, see the associated Help panel.

BJTZ440D   Invalid input. Form length metric can only be Inches or CM.

Explanation: An invalid value was specified on the second line of the Form Length field. This field identifies the page length that can be printed without reconfiguring the printer; the second line indicates the unit of measurement (inches or centimeters) for the page length.

User response: On the second line of the Form Length field, type either Inches (with an uppercase "I") or CM.

BJTZ440E   **Invalid input. Error blocking can only be Block, Unblock, Char blk, or Pos blk.**

Explanation: An invalid value was specified in the Err Blocking field. This field indicates how to handle the following types of errors: - Print-positioning errors - Errors that occur when the printed data goes beyond the physical limits of the page or beyond the overlay or logical page that is associated with a print job - Invalid-character errors - Errors that occur when a text character is not part of a font set This message indicates the valid values for this field.

User response: In the Err Blocking field, type one of these valid values: - Block - To not report print-positioning errors and invalid-character errors to PSF - Unblock - To report print-positioning errors and invalid-character errors to PSF - Char blk - To block invalid-character errors but report print-positioning errors - Pos blk - To block print-positioning errors but report invalid-character errors

BJTZ440F   **An invalid value was specified in the Print Errors field.**

Explanation: An invalid value was specified in the Print Errors field. The first line of this field indicates whether all error messages should be printed at the end of the output data set. The second line of this field indicates the maximum number of error messages to allow before canceling the printing of the current data set.

User response: On the first line of the Print Errors field, type either Yes or No to indicate whether all error messages should be printed at the end of the output data set. If you type No, only the messages that force an early termination of the print job are printed. On the second line, type a number from 0 through 999 to indicate the maximum number of error messages to allow before canceling the printing. A value of zero means an infinite number. This message count includes all error messages that are generated by PSF (even if you specified No on the first line to prevent the printing of error messages).

BJTZ440G   **Invalid input. Print error disposition can only be Quit or Hold.**

Explanation: An invalid value was specified in the Error Disp field. This field indicates what to do if an error occurs that forces the early termination of a print job.

User response: In the Error Disp field, type one of these valid values: - Quit - To release the data set to JES as complete, even if an early termination error occurs during printing - Hold - To keep the data set on the spool until a system operator releases it.

BJTZ440I   **Invalid input. Table reference character can only be Yes or No.**

Explanation: An invalid value was specified in the Table ref chr field. This field indicates whether the data contains table reference characters (TRC) codes. (A TRC code indicates which font in the Char arg tbl field should be used to print the record.)

User response: In the Table ref chr field, type either Yes or No.

BJTZ440J   **Invalid input. Resolution format can only be P240 or P300.**

Explanation: An invalid value was specified in the Resolution field. This field indicates the type of resolution that is used to format the printed data set.

User response: In the Resolution field, type one of the following valid values: - P240: To format the printed data set using 240 pels per inch - P300: To format the printed data set using 300 pels per inch

BJTZ440K   **Printer attribute data saved.**

Explanation: The information that you specified for the set of printer attributes was saved.

User response: No action is required.

BJTZ440L   **An attribute description is required.**

Explanation: A name for the set of printer attributes must be specified in the Name field.

User response: Type a descriptive name for the set of printer attributes in the Name field. This value can be up to 24 characters in length.

BJTZ440M   **Printer attributes updated for this print request.**

Explanation: Changes have been made to the set of printer attributes for the current print request.

User response: No action is required.

BJTZ440N   **Invalid input. Only the characters A-Z, #, $, @, and 0-9 are allowed.**

Explanation: An invalid value was specified in the Format Def or Page Def field.

User response: Type a valid value in the Format Def or Page Def field. In each field, you can specify a value of up to 6 characters in length that is composed of alphanumeric characters and national characters ($, #, @) only.

BJTZ440O   **Invalid input. The range must be in the format N or N:M, where N and M are integers and N is less than or equal to M. Only values from 1 to total pages are allowed. There is to be no space before or after the ":" (colon) sign, but there must be at least one space between two ranges.**

Explanation: An invalid value was entered in the PAGES field. This field specifies which pages are to be printed for a recipient. Valid values include single pages with a space between each page number, and a range of pages with a colon (:) between the first page number in the range and the last page number in the range (which a space between multiple ranges). The second number in a range must be greater than the first number in the range. For example, to print pages 5 through 10, specify 5:10. To print pages 5 through 10 AND pages 12 through 15, but not pages 11 and 12, specify 5:10 12:15.

User response: Specify a valid page number, or a valid range of page numbers in the PAGES field.

BJTZ440P   **Invalid CopyGroup value: a non-zero value cannot be preceded by a zero value.**

Explanation: An invalid value was specified in the Copy Group field. In this field, a non-zero value cannot be preceded by 0.

User response: Type a valid value in the CopyGroup field.

BJTZ440R   **Sum of group-values must not exceed 255.**

Explanation: An invalid value was specified in one or more of the Copy Group fields. The sum of all Copy Group fields must not exceed 255.

User response: Adjust the values specified in the Copy Group fields so that the sum of the Copy Group values are less than or equal to 255.

BJTZ441   **Invalid input. The range must be in the format N or N:M, where N and M are integers and N is less than or equal to M. Only values from 1 to total pages are allowed. There is to be no space before or after the ":" (colon) sign, but there must be at least one space between two ranges.**

Explanation: An invalid value was entered in a range field. Valid values include single pages with a space between each page number, and a range of pages with a colon (:) between the first page number in the range and the last page number in the range (which a space between multiple ranges). The second number in a

range must be greater than the first number in the range. For example, to print pages 5 through 10, specify 5:10. To print pages 5 through 10 AND pages 12 through 15, but not pages 11 and 12, specify 5:10 12:15.

User response: Specify a valid page number, or a valid range of page numbers in the PAGES field.

BJTZ442   **Invalid time value. The time value must be either FOREVER or in format HHHH:MM:SS.**

Explanation: An invalid time value was specified. Time must be either FOREVER or in the format HHHH:MM:SS.

User response: Either specify FOREVER, or Specify a 24-hour time that is composed of valid hour, minute, and second values and that is in the format HHHH:MM:SS.

BJTZ443   **Invalid time value. The time value must be in format HHHH:MM:SS.**

Explanation: An invalid time value was specified. Time must be specified in the format HHHH:MM:SS.

User response: Specify a 24-hour time that is composed of valid hour, minute, and second values and that is in the format HHHH:MM:SS.

BJTZ444   **Invalid value. The value must be in format {NODE.}USERID, where both NODE and USERID must be a valid name: up to eight alphanumeric characters (A-Z, #, $, @, 0-9). The first character must be alphabetic (A-Z, $, @, or #).**

Explanation: An invalid value was specified in the PSF Notify ID field. This field indicates the User ID of the person to be notified when the output is printed. Specify a NODE.USERID, where both NODE and USERID are a valid name. This field can be up to 17 characters total.

User response: Edit the value specified in the PSF Notify ID field and type a valid value.

BJTZ445   **Invalid data set name. The value must be a valid data set name.**

Explanation: An invalid value was specified in a field that requires a valid data set name.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid data set name in that field.

BJTZ500 The specified PRSET member does not exist.

Explanation: The PRSET member specified does not exist in the partitioned data set specified.

User response: Specify the name of an existing member in the partitioned data set or restore the missing member.

BJTZ501 Changes saved. PRSET member saved.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ502 PRSET member has been deleted.

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ503 Changes saved. PRSET member updated.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ504 Changes saved. PRSET member inserted.

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ505 Cut. PRSET member has been copied to the clipboard and cut from the list.

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ506 Copied PRSET member has been copied to the clipboard.

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ507 Pasted PRSET member has been pasted from the clipboard.

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ508 Unable to delete this PRSET, because one or more object is connected to it.

Explanation: You attempted to delete a PRSET member that is currently linked to one or more Output Manager objects. A PRSET member connected to other objects cannot be deleted.

User response: Determine which objects are linked to this PRSET member, then unlink them. After you have unlinked the layout from all objects, you can delete the PRSET member.

BJTZ509 Subsystem doesn't exist. The specified subsystem does not exist.

Explanation: The subsystem that you specified does not exist.

User response: Specify an existing subsystem.

BJTZ510 Blank not allowed. The Name field cannot be blank.

Explanation: A blank was specified in a field that cannot be blank.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid value in that field.

BJTZ511 Invalid value. Value must be numeric.

Explanation: A non-numeric character was specified in a field that only supports numeric values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type a number in that field.

BJTZ512 Invalid value. Value must be in range from 0-16777215.

Explanation: An invalid value was specified. Only numbers 0-16777215 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-16777215 in that field.

BJTZ513   **Invalid value. Value must be in range from 0-65535.**

Explanation: An invalid value was specified. Only numbers 0-65535 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-65535 in that field.

BJTZ514   **Invalid value. Value must be in range from 0-32756.**

Explanation: An invalid value was specified. Only numbers 0-32756 are allowed.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a number 0-32756 in that field.

BJTZ515   **Your cursor is currently at page (page), line (line), column (column).**

Explanation: This message displays the location of your cursor.

User response: No action is required.

BJTZ516   **Your mark is currently at page (page), line (line), column (column), width (width), height (height).**

Explanation: This message displays the location of your mark.

User response: No action is required.

BJTZ560   **Cannot contain spaces. User variable name should not contain embedded spaces.**

Explanation: An invalid value was specified for the user variable name. The user variable name cannot contain embedded spaces.

User response: Specify a valid value for the user variable name.

BJTZ561   **Selector Name is (selector name).**

Explanation: This message displays the name of the selector.

User response: No action is required.

BJTZ562   **Report Selector Name is (report selector name).**

Explanation: This message displays the name of the report selector rule.

User response: No response is required.

BJTZ563   **Move Block command cannot be performed when records are filtered out or non-default sorting is used.**

Explanation: An attempt was made to move a block of records, but the records were not moved because some records in the selection are not displayed, or because they were sorted with a non-default sort.

User response: Display all of the records in the default sorting option before moving a block of records.

BJTZ570   **Changes saved. User variable inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ571   **Cut. User variable has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ572   **Copied. User variable has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ573   **Pasted. User variable has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ574   **Unable to delete this User variable.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ575   **Changes saved. User variable has been saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ576   **Deleted. User variable has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ577   **Changes saved. User variable has been updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ578   **Blank name is not allowed.**

Explanation: A blank was specified in a field that cannot be blank.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid value in that field.

BJTZ579   **Duplicate name. User variable name is not unique.**

Explanation: The specified user variable name was not inserted into the Output Manager database because a user variable name with that value already exists. User variable names must be unique.

User response: Type a unique value in the User variable name field.

BJTZ580   **Command not allowed. The Copy command can be issued only on a layout field.**

Explanation: An attempt was made to copy a layout page or area, but only fields can be copied.

User response: No action is required. Use the IP (Insert Page), or IA (Insert Area) to add new pages and areas to the layout.

BJTZ581   **Invalid place. The Paste command can be issued only on a field area.**

Explanation: An attempt was made to paste a layout field, but the location of the paste was invalid.

User response: Paste the field after another field. You cannot paste a field on a page or area.

BJTZ582   **Invalid value. Relative Position can only be Adjacent, Below, or Diagonal.**

Explanation: An invalid value was specified in the Relative Position field. Valid values include Adjacent, Below, or Diagonal.

User response: Specify the relative position with one of the following options to indicate where the new field is located in relation to the relative field: - Adjacent (starts in the next column to the right, on the same row) - Below (starts in the same column, on the next row down) - Diagonal (starts in the next column to the right and in the next row).

BJTZ583   **Cannot delete. Last page remaining cannot be deleted.**

Explanation: An attempt was made to delete the only page in the layout. A layout requires at least one page, so the page was not deleted.

User response: No action is required.

BJTZ584   **Wrong subsystem type. The subsystem type must be * for the specification of User Variables.**

Explanation: User variables can only be specified when a wildcard is used in the subsystem type field.

User response: Type an asterisk (*) in the subsystem type field before specifying user variables.

BJTZ585   **Cannot open data set. Check that you have access to it.**

Explanation: An attempt to open a data set failed.

User response: Ensure that you have access to the data set. If you require access, contact your administrator. Otherwise, no action is required.

BJTZ586   **(Command) of the policy for configuration (configuration), type (type) is not allowed.**

Explanation: The command specified for the configuration of the type specified is not allowed.

User response: No action is required.

BJTZ590   **Changes saved. Instruction inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ591 **Cut. Instruction has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ592 **Copied. Instruction has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ593 **Pasted. Instruction has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ594 **Unable to delete this Instruction.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ595 **Changes saved. Instruction saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ596 **Instruction has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ597 **Changes saved. Instruction updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ598 **This Instruction does not exist.**

Explanation: The instruction member specified does not exist in the partitioned data set specified.

User response: Specify the name of an existing member in the partitioned data set or restore the missing member.

BJTZ599 **Archive attribute must contain at least one period.**

Explanation: The value specified for the archive attribute does not contain a period, but archive attributes require at least one period.

User response: Include a period in the value specified for the archive attribute.

BJTZ600 **Record has been inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ601 **Record has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ602 **Record has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ603 **Record has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ604 **Unable to delete this record, one or more objects are connected to it.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to

this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ605   **Record has been saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ606   **Record has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ607   **Record has been updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ608   **Cannot paste, clipboard is empty.**

Explanation: An attempt was made to paste from the clipboard, but the clipboard was empty.

User response: Use the C (Copy) command on an object to copy its object details to the clipboard. You can then use the T (pasTe) command to paste the object.

BJTZ609   **Record does not exist.**

Explanation: The record member specified does not exist in the partitioned data set specified.

User response: No action is required.

BJTZ610   **Changes saved. Archive attribute inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ611   **Cut. Archive attribute has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ612   **Copied. Archive attribute has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ613   **Pasted. Archive attribute has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ614   **Unable to delete this archive attribute, one or more rule is connected.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ615   **Changes saved. Archive attribute saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ616   **Archive attribute has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ617   **Changes saved. Archive attribute updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ621   **Cut. Selector rule has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ622   Copied. Selector rule has been copied to the clipboard.

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ623   Pasted. Selector rule has been pasted from the clipboard.

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ624   Unable to delete this selector rule, one or more rule is connected to it.

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ625   Changes saved. Selector rule attribute saved.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ626   Selector rule has been deleted.

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ627   Changes saved. Selector rule updated.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ628   This selector rule does not exist.

Explanation: The record member specified does not exist in the partitioned data set specified.

User response: No action is required.

BJTZ629   Status set to disabled because the rule is not linked to an archive attribute.

Explanation: The status of the selector rule has been set to Disabled because no set of archive attributes is linked to the rule. You will not be able to change the

status to Enabled (active) until you link a set of archive attributes to the rule.

User response: Link a set of archive attributes to the selector rule using the LINK drop-down menu.

BJTZ630   Layout field has been inserted to local storage.

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ631   Layout field has been copied to the clipboard and cut from local storage.

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ632   Layout field has been copied to the clipboard.

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ633   Layout field has been pasted from the clipboard.

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ634   Unable to delete this layout field, one or more rule is connected to it.

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ635   Layout field has been saved to local storage.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ636 **Layout field has been deleted from local storage**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ637 **Layout field has been updated in local storage**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ638 **This layout field does not exist**

Explanation: The layout specified does not exist.

User response: No action is required.

BJTZ640 **Changes saved. Report rule inserted**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ641 **Cut. Report rule has been copied to the clipboard and cut from the list**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ642 **Copied. Report rule has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ643 **Pasted. Report rule has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ644 **Unable to delete this report rule, one or more rules are connected to it**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ645 **Changes saved. Report rule attribute saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ646 **Report rule has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ647 **Changes saved. Report rule updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ648 **This report rule does not exist**

Explanation: The report rule specified does not exist.

User response: No action is required.

BJTZ649 **Unable to delete this banner, one or more objects are connected to it**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ650 **Data set not cataloged. Data set was not found in catalog.**

Explanation: The specified data set could not be found in the MVS catalog.

User response: Ensure that the data set name is correct.

BJTZ651 **Member not found. Member (member) not found in data set (data set)**

Explanation: The specified data set could not be found in the MVS catalog. This message displays the member name and data set name.

User response: Ensure that the data set name is correct.

BJTZ652 The banner page does not exist.

Explanation: The banner page specified does not exist.

User response: No action is required.

BJTZ653 Changes saved. Banner page saved

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ654 Banner page has been deleted.

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ655 Changes saved. Banner page updated

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ656 Changes saved. Banner page inserted

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ657 Cut. Banner page has been copied to the clipboard and cut from the list

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ658 Copied. Banner page has been copied to the clipboard

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ659 Pasted. Banner page has been pasted from the clipboard

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ660 Changes saved. Printer attribute inserted.

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ661 Cut. Printer attribute has been copied to the clipboard and cut from the list.

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ662 Copied. Printer attribute has been copied to the clipboard.

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ663 Pasted. Printer attribute has been pasted from the clipboard.

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ664 Unable to delete this printer attribute, one or more rules are connected to it

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ665 Changes saved. Printer attribute saved.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ666 Printer attribute has been deleted

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ667   **Changes saved. Printer attribute updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ668   **This printer attribute does not exist.**

Explanation: The printer attribute specified does not exist.

User response: No action is required.

BJTZ670   **Changes saved. Recipient inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ670A   **Only Yes or No are allowed.**

Explanation: A value other than Yes or No was specified in a field that only supports Yes or No.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type Yes or No in that field.

BJTZ671   **Cut. Recipient has been copied to the clipboard and cut from the list**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ672   **Copied. Recipient has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ673   **Pasted. Recipient has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ674   **Unable to delete this recipient, one or more rules are connected to it**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ675   **Changes saved. Recipient attribute saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ676   **Recipient has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ677   **Changes saved. Recipient updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ678   **This recipient does not exist**

Explanation: The recipient specified does not exist.

User response: No action is required.

BJTZ679   **Userid exists. Recipient with this userid already exists.**

Explanation: The specified recipient name was not inserted into the Output Manager database because a recipient with that user ID already exists.

User response: Type a unique value in the Userid field.

BJTZ680   **Changes saved. Report definition inserted.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ681   **Cut. Report definition has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ682   **Copied. Report definition has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ683   **Pasted. Report definition has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ684   **Unable to delete this report definition, one or more rules are connected to it.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ685   **Saved. Report definition saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ686   **Report definition has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ687   **Changes saved. Report definition updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ688   **This report definition does not exist.**

Explanation: The report definition specified does not exist.

User response: No action is required.

BJTZ689   **You can define only one index.**

Explanation: An attempt was made to define a new index by specifying the ADDINDEX primary command when an index was already defined for the report. You can define only one index in a report definition. The index can contain from one to eight fields.

User response: No action is required. You can edit the existing index if necessary.

BJTZ690   **Changes saved. Distribution list inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ691   **Cut. Distribution list has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ692   **Copied. Distribution list has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ693   **Pasted. Distribution list has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ694   **Unable to delete this distribution list, one or more rules are connected to it.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ695   Changes saved. Distribution list saved.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ696   Distribution list has been deleted.

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ697   Changes saved. Distribution list updated.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ698   This distribution list does not exist.

Explanation: The distribution list specified does not exist.

User response: No action is required.

BJTZ699   Duplicate name. Distribution list name is not unique.

Explanation: The specified distribution list name was not inserted into the Output Manager database because a distribution list with that name already exists. Distribution list names must be unique.

User response: Type a unique value in the distribution list name field.

BJTZ700   Line command N (Index) is not allowed because the Index field is set to No.

Explanation: The N (Index) line command was used, but there are no index fields.

User response: No action is required.

BJTZ701   Layout has not been linked to the report definition.

Explanation: An attempt was made to save the report definition. However, because a report layout has not been linked to the report definition, this attempt failed. Report definitions with conditions or indexes must be linked to a report layout.

User response: Either link a report layout to the report definition, or cancel your changes. Use the LINK menu to link to a report layout. Type CANCEL on the command line to cancel your changes.

BJTZ702   Field (field name) is missing in the layout linked to this report definition.

Explanation: The field name specified in the condition is not present in the layout linked to the report definition.

User response: Specify a valid field included in the layout linked to the report definition. For a list of valid fields included in the linked layout, specify FIELDS on the command line.

BJTZ703   Value cannot be empty.

Explanation: A blank was specified in a field that cannot have blanks.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid value in that field.

BJTZ704   Condition fields must be defined consecutively.

Explanation: An attempt was made to save an index field name that was not specified in consecutive order. When defining an index for a report definition, you must specify the index field names from top to bottom (from field 1 to field 8), without leaving any intervening lines blank.

User response: Specify the index field names on consecutive lines, starting with Field 1 Name. Then save your index entry.

BJTZ705   Cannot delete Begin condition because End condition exists.

Explanation: An attempt was made to delete a BEGIN condition when an END condition still exists. An END condition requires the presence of a BEGIN condition.

User response: First delete the END condition, and then delete the BEGIN condition.

BJTZ707   End condition inserted.

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ708   Layout fields: (fields).

Explanation: This message displays the list of layout fields.

User response: No response required.

BJTZ709   **Report definition contains condition or index but is not linked to layout.**

Explanation: An attempt was made to save the report definition. However, because a report layout has not been linked to the report definition, this attempt failed. Report definitions with conditions or indexes must be linked to a report layout.

User response: Either link a report layout to the report definition, or cancel your changes. Use the LINK menu to link to a report layout. Type CANCEL on the command line to cancel your changes.

BJTZ710   **You are in read-only mode, you cannot add an entry.**

Explanation: You cannot add an entry because you are in read-only mode. Your add request is ignored.

User response: If the entry needs to be added, contact your report administrator for assistance. Otherwise, no action is needed

BJTZ711   **Report "*name*" is queued for printing.**

Explanation: The specified report has been placed on the queue for print processing.

User response: No action is required.

BJTZ712   **Archive "*name*" is queued for printing.**

Explanation: The specified archived report has been placed on the queue for print processing.

User response: No action is required.

BJTZ713   **JobName with JobID has been submitted.**

Explanation: The archive print job has been successfully submitted and will be printed in full or in part, depending on your specifications.

User response: No action is required.

BJTZ714   **Data contains invalid (non-display) characters. Use command ===> FIND P"." to position cursor to the invalid characters.**

Explanation:

User response:

BJTZ715   **Enter a FIND command. The RFIND and FX keys work only after a FIND character string is entered.**

Explanation: The RFIND or FX keys were pressed, but a FIND command has not been entered.

User response: Enter a FIND command before using the RFIND and FX keys.

BJTZ716   **Bottom of data reached. Chars (character string) not found. Press RFIND key to continue from top.**

Explanation: The character string was not found in the data.

User response: Press the RFIND key to continue searching from the top.

BJTZ717   **CHARS (character string) found. Search for CHARS (character string) in columns A to B was successful.**

Explanation: The character string that you searched for was found.

User response: No response required.

BJTZ720   **Changes saved. Bundle definition inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ721   **Cut. Bundle definition has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ722   **Copied. Bundle definition has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ723   **Pasted. Bundle definition has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ724   **Unable to delete this bundle definition.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ725   **Changes saved. Bundle definition saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ726   **Bundle definition has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ727   **Changes saved. Bundle definition updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ728   **This bundle definition does not exist.**

Explanation: The bundle definition specified does not exist.

User response: No action is required.

BJTZ729   **Duplicate name. Bundle definition name is not unique.**

Explanation: The specified bundle name was not inserted into the Output Manager database because a bundle name with that value already exists. Bundle names must be unique.

User response: Type a unique value in the Bundle name field.

BJTZ730   **Bundle recipient inserted**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ731   **Bundle recipient has been copied to the clipboard and cut from the list**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is

available to paste to another location.

User response: No action is required.

BJTZ732   **Bundle recipient has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ733   **Bundle recipient has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ734   **Unable to delete this bundle recipient, one or more rules are connected to it.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ735   **Bundle recipient saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ736   **Bundle recipient has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ737   **Bundle recipient updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ738   **This bundle recipient does not exist**

Explanation: The bundle recipient specified does not exist.

User response: No action is required.

BJTZ739   Bundle recipient name is not unique.

Explanation: The specified bundle recipient name was not inserted into the Output Manager database because a bundle recipient with that name already exists. Bundle recipient names must be unique.

User response: Type a unique value in the Bundle recipient name field.

BJTZ740   Condition inserted.

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ741   Condition has been copied to the clipboard and cut from the list.

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ742   Condition has been copied to the clipboard.

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ743   Condition has been pasted from the clipboard.

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ744   Unable to delete this condition, one or more rules are connected to it.

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted

BJTZ746   Condition has been deleted.

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ747   Condition updated.

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ748   You cannot have an END condition without a BEGIN condition.

Explanation: An attempt was made to insert an END condition without first defining the BEGIN condition. An END condition requires the presence of a BEGIN condition.

User response: First define the BEGIN condition, and then define the END condition.

BJTZ749   This condition does not have any fields.

Explanation: An attempt was made to save a condition, but the condition does not have any fields.

User response: Add fields to the condition before saving it.

BJTZ750   Index inserted

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ751   Index has been copied to the clipboard and cut from the list

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ752   Index has been copied to the clipboard

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ753   Index has been pasted from the clipboard

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ754   **Unable to delete this index, one or more rules are connected to it**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ755   **Index saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ756   **Index has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ757   **Index updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ758   **This index does not exist**

Explanation: The index specified does not exist.

User response: No action is required.

BJTZ759   **This index does not have any fields**

Explanation: An attempt was made to save an index, but the index does not have any fields.

User response: Add fields to the condit index before saving it.

BJTZ760   **Bundle special instruction has been inserted**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ761   **Bundle special instruction has been cut from the list and placed in clipboard**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ762   **Bundle special instruction has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ763   **Bundle special instruction has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ764   **Unable to delete this bundle special instruction**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ765   **Bundle special instruction saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ766   **Bundle special instruction has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ767   **Bundle special instruction has been updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ768   **This bundle special instruction does not exist**

Explanation: The bundle special instruction specified does not exist

User response: No action is required.

BJTZ769   **Invalid access ID. Access ID must be derived from access mask.**

Explanation: An invalid value was specified in the Access ID field. An Access ID must be derived from the Access Mask.

User response: Type a valid access ID in the Access ID field.

BJTZ770   **Bundle report has been inserted**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ771   **Bundle report has been cut from the list and placed in clipboard**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ772   **Bundle report has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ773   **Bundle report has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ774   **Unable to delete this bundle report**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ775   **Bundle report is saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ776   **Bundle report has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ777   **Bundle report has been updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ778   **This bundle report does not exist**

Explanation: The bundle report specified does not exist.

User response: No action is required.

BJTZ779   **Invalid access mask. Blank access mask is not allowed**

Explanation: You must specify a value in the Access Mask field.

User response: Type a valid value in the Access Mask field. You can specify a fully-qualified Access Mask, or you can include a wildcard in the Access Mask.

BJTZ780   **Changes saved. Layout has been inserted**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ781   **Cut. Layout has been copied to the clipboard and cut from the list**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ782   **Copied. Layout has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ783   **Pasted. Layout has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ784 **Unable to delete this layout, one or more rules are connected to it**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ785 **Changes saved. Layout has been saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ786 **Layout has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ787 **Changes saved. Layout has been updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ788 **This layout does not exist**

Explanation: The layout specified does not exist.

User response: No action is required.

BJTZ789 **Duplicate name. Layout name is not unique**

Explanation: The specified layout name was not inserted into the Output Manager database because a layout name with that value already exists. Layout names must be unique.

User response: Type a unique value in the layout name field.

BJTZ790 **Bundle definition must already be in database for this operation**

Explanation: You attempted an operation that requires the bundle definition to already exist in the database, but it does not.

User response: Add the bundle definition to the Output Manager database.

BJTZ791 **Bundle recipient must already be in database for this operation**

Explanation: You attempted an operation that requires the bundle recipient to already exist in the database, but it does not.

User response: Add the bundle recipient to the Output Manager database.

BJTZ792 **Distribution list must already be in database for this operation**

Explanation:

User response:

BJTZ793 **Invalid value. Only Yes, No, and Default allowed**

Explanation: An invalid value was specified in a field that only accepts Yes, No, and Default as valid values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type a valid value in that field.

BJTZ794 **Bundle activation command is issued**

Explanation: You successfully activated a bundle.

User response: No response required.

BJTZ795 **Bundle deactivation command is issued**

Explanation: You successfully deactivated a bundle.

User response: No response required.

BJTZ796 **Deactivate all bundles command is issued**

Explanation: You successfully deactivated all bundles.

User response: No response required.

BJTZ797 **Invalid wildcard. Wildcards cannot be followed by other characters. All bundles deactivation command is issued**

Explanation: An invalid value was entered. The value specified contained a wildcard that was followed by another wildcard. Wildcards are supported, but cannot be followed by another wildcard.

User response: No response is required. All bundles are deactivated.

BJTZ798 **Distribution list's child causes cycle**

Explanation: The nested (child) distribution list contains the parent distribution list.

User response: Prevent the distribution list loop by

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removing the parent distribution list from the child distribution list.

BJTZ799   This command does not apply to distribution lists

Explanation: The command was not executed because it does not apply to the object type it was issued against.

User response: Specify a valid command.

BJTZ800   Archive is (data set name)

Explanation: This message identifies the archive data set name.

User response: No action is required.

BJTZ801   Multiple selection is not allowed

Explanation: You attempt to select more than one object at once, but multiple selection is not allowed.

User response: Select one object at a time.

BJTZ802   A bundle instance was not selected for the REPRINT operation

Explanation: The REPRINT command was specified on the Bundle History panel. However, no bundle instance or portion of a bundle instance was selected for reprinting.

User response: Before specifying the REPRINT command, select a bundle instance or one or more recipients or reports in the same bundle instance by using the R (Reprint) line command.

BJTZ803   Reprint request has been submitted

Explanation: The bundle print job has been successfully submitted for execution. The bundle instance will be reprinted in full or in part, depending on what you selected for reprinting.

User response: No action is required.

BJTZ804   Member not found

Explanation: The Output Manager started task was unable to locate the bundle instance for a print request.

User response: Review the output from the Output Manager started task for any additional messages that might indicate why this error occurred.

BJTZ805   Print options saved in local storage

Explanation: The print configuration was successfully saved in the local storage.

User response: No response required.

BJTZ806   Print request has been submitted

Explanation: The bundle print job has been successfully submitted for execution. The bundle instance will be printed in full or in part, depending on what you selected for printing.

User response: No action is required.

BJTZ807   Invalid SEARCH parameter. Valid parameters are ALL, SAVE or RESET

Explanation: The SEARCH primary command was specified with an invalid option.

User response: At the command line, type the SEARCH command followed by one of these valid options: - ALL: To display an unfiltered list of objects - SAVE: To save the search criteria that are currently applied to the list - RESET: To re-apply the search criteria that were last saved

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BJTZ808   No distribution list assigned to this report, select a distribution list for printing

Explanation: No distribution list is linked to the report.

User response: Select a distribution list to use for printing the report

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BJTZ809   Internal error. Error occurred when reading file

Explanation: An internal error occurred when attempting to read the file.

User response: Try again. If you cannot determine the cause of the error, contact Technical Support.

BJTZ830   Address inserted

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ831   Address has been copied to the clipboard and cut from the list

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ832   **Address has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ833   **Address has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ834   **Unable to delete this address**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ835   **Address saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ836   **Address has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ837   **Address updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ838   **This Address does not exist**

Explanation: The address that you specified does not exist.

User response: Specify an existing address.

BJTZ839   **Address name is not unique**

Explanation: The specified address name was not inserted into the Output Manager database because an address with that name already exists. Address names must be unique.

User response: Type a unique value in the Address name field.

BJTZ840   **This distribution list does not exist**

Explanation: The distribution list that you specified does not exist.

User response: Specify an existing distribution list.

BJTZ841   **Distribution list name is required**

Explanation: An invalid value was specified in the distribution list name field

User response: Specify a name for the distribution list in the Distribution List Name field.

BJTZ842   **Invalid input. The range must be in the format N or N:M, where N and M are integers and N is less than or equal to M. Only values from 1 to total pages are allowed. There is to be no space before or after the ":" (colon) sign, but there must be at least one space between two ranges.**

Explanation: An invalid value was entered in the PAGES field. This field specifies which pages are to be printed for a recipient. Valid values include single pages with a space between each page number, and a range of pages with a colon (:) between the first page number in the range and the last page number in the range (which a space between multiple ranges). The second number in a range must be greater than the first number in the range. For example, to print pages 5 through 10, specify 5:10. To print pages 5 through 10 AND pages 12 through 15, but not pages 11 and 12, specify 5:10 12:15.

User response: Specify a valid page number, or a valid range of page numbers in the PAGES field.

BJTZ843   **Invalid syntax. The JCL is missing a continuation character when one is expected.**

Explanation: The JCL in the Job Details section continues on more than one line without a continuation character.

User response: When the JCL continues to the next line, end the previous line with a comma.

BJTZ844   **Invalid syntax. A JCL continuation character is expected but is absent or is in an invalid position.**

Explanation: The JCL in the Job Details section continues on more than line without a continuation character, or the continuation character is in the wrong position.

User response: When the JCL continues to the next line, end the previous line with a comma.

BJTZ845   **Invalid syntax. The JCL contains a continuation character but the line is not continued.**

Explanation: The JCL in the Job Details section ends with a continuation character but the JCL is not continued.

User response: Continue the JCL on the next line, or remove the continuation character from the last line.

BJTZ846   **Only "J" or a blank is valid for the OPTCD field.**

Explanation: An invalid value was specified in the OPTCD field. The only valid values for this field are blank and J.

User response: Enter a valid value.

BJTZ847   **Invalid constant. Only No or Yes are allowed.**

Explanation: An invalid value was specified in the field. The only valid entries are Yes and No.

User response: Type either Yes or No in the field.

BJTZ848   **Invalid duplex. Only No, Normal, or Tumble are allowed**

Explanation: An invalid value was specified in the Duplex field. This field indicates whether or not to print in duplex mode (double-sided). This message identifies the valid values.

User response: In the Duplex field, type one of the following valid values: - No: Do not print the archive in duplex mode - Normal: Print the archive in duplex mode and bind the archive along the long edge of the paper. - Tumble: Print the archive in duplex mode and bind the archive along the short edge of the paper.

BJTZ849   **Invalid input. Normal disposition can only be Write, Hold, Keep, Leave, or Purge**

Explanation: An invalid value was specified in the Norm Disp field. This field indicates the disposition of the SYSOUT data set when a job completes normally.

User response: In the Norm Disp field, type one of the following valid options: Write, Hold, Keep, Leave, or Purge. For information about these options, see the associated Help panel.

BJTZ850   **Organization inserted**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ851   **Organization has been copied to the clipboard and cut from the list**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ852   **Organization has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ853   **Organization has been pasted from the clipboard**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ854   **Unable to delete this organization**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ855   **Organization saved**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ856   **Organization has been deleted**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ857   **Organization updated**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ858   **This organization does not exist**

Explanation: The organization that you specified does not exist.

User response: Specify an existing organization.

BJTZ859   **Organization name is not unique**

Explanation: The specified organization name was not inserted into the Output Manager database because an organization with that name already exists. Organization names must be unique.

User response: Type a unique value in the organization name field.

BJTZ870   **TPL rule does not exist**

Explanation: The TPL rule that you specified does not exist.

User response: Specify an existing TPL rule.

BJTZ870A   **TPL Rule name required. Name required for TPL rule.**

Explanation: An invalid value was specified in the TPL rule name field. The rule was not inserted into the Output Manager database.

User response: Type a valid value in the TPL name field.

BJTZ871   **Changes saved. TPL rule saved.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ872   **TPL rule has been deleted.**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ873   **Changes saved. TPL rule updated.**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ874   **Changes saved. TPL rule inserted.**

Explanation: The changes that you specified have been successfully saved and the object has been inserted.

User response: No response required.

BJTZ875   **Cut. TPL rule has been copied to the clipboard and cut from the list.**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ876   **Copied. TPL rule has been copied to the clipboard.**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ877   **Pasted. TPL rule has been pasted from the clipboard.**

Explanation: The information for the object that was copied to the Clipboard has been pasted to the current location.

User response: No action is required.

BJTZ878   **Unable to delete this TPL rule, one or more objects are connected to it.**

Explanation: You attempted to delete an object that is currently linked to one or more Output Manager objects. An object connected to other objects cannot be deleted.

User response: Determine which objects are linked to this object, then unlink them. After you have unlinked all objects, this one can be deleted.

BJTZ880   **Invalid print model. Only Classic or Report are allowed.**

Explanation: An invalid value was specified in the Print Model field. The only valid values are Classic and Report. This field determines which static, user-defined set of printer attributes (if any) to use for printing the report instances or the indexed report pages that are based on this report definition.

User response: Type either Classic or Report in the Print Model field. Specify Classic to use the sets of printer attributes that are linked to the recipient IDs on the distribution list that is assigned to the report definition. Specify Report to use the set of printer

attributes that is linked directly to the report definition. If you specify Report, you will be able to override any Class, Copies, and Dest information from the report?s set of printer attributes for individual recipients on the distribution list. You do so from the Distribution List panel.

BJTZ881   Invalid dyn print. Only No or Yes are allowed.

Explanation: An invalid value was specified in the Dynamic Print field. The only valid values are No and Yes. This field determines whether to use the "dynamic printing parameters" from the BJTDAT table for printing report instances or indexed report pages that are based on this report definition. For reports, Output Manager can capture certain key printing parameters from the SYSOUT and from the set of printer attributes that is linked to 1) the distribution list for the report or 2) the report definition. These "dynamic printing parameters" are stored in the BJTDAT table and merged at report print time.

User response: Type either No or Yes in the Dynamic Print field. Specify No to obtain all printing parameters from the recipient IDs on the distribution list and the applicable user- defined set of printer attributes. (The Print Model field determines which set of printer attributes applies.) Specify Yes to obtain the set of "dynamic printing parameters" from the BJTDAT table. (Any other printing parameters that are specified in the applicable set of printer attributes will still be used.)

BJTZ882   Invalid space units. Only Tracks, Cylinders, Blocks, Kilobytes, Megabytes, Bytes, or Records

Explanation: An invalid value was specified in the Space Units field. This field specifies the type of units in which the archive space is allocated.

User response: In the Space Units field, type one of the following valid values: Blocks, Tracks, Cylinders, Kilobytes, Megabytes, Bytes, or Records.

BJTZ883   Invalid record units. Byte modifier can only be Bytes, Mega, or Kilo

Explanation: An invalid value was specified in the Average Record Unit field. This field specifies the type of record units.

User response: In the Average Record Unit field, type one of the following valid values: B (bytes), M (megabytes), or K (kilobytes).

BJTZ885   Invalid disposition. Only Catalog or Delete are allowed.

Explanation: An invalid value was specified in the Abnormal Disposition field on the Archive Attributes Details panel. This field indicates what to do with an

archive when a save-to-archive operation fails.

User response: In the Abnormal Disposition field, type one of the following valid values: - Catalog or C - To make the archive accessible through a catalog - Delete or D - To delete the archive

BJTZ886   Invalid space release. Only Yes or No are allowed.

Explanation: An invalid value was specified in the Release Unused Space field. This field indicates whether you want to release unused space.

User response: In the Release Unused Space field, type either Yes or No.

BJTZ887   Primary quantity can only be 0 if Auto Calculate is used.

Explanation: A non-zero value was specified in the Primary Quantity field, but Primary Quantity can only be 0 when Auto Calculate is used.

User response: Either change the Primary Quantity field, or disable Auto Calculate.

BJTZ888   Average block length can only be used when Space Units is set to Blocks

Explanation: A value was specified in the Average Block Length field, but Space Units must be set to Blocks in order for Average Block Length to be used.

User response: Either change the Space Units value to Blocks, or remove the value from the Average Block Length field.

BJTZ889   Invalid status value. Only Enabled or Disabled are allowed

Explanation: An invalid value was specified in the Status field. Only Enabled and Disabled are valid values.

User response: In the Status field, type either Enabled (to make the rule active and available for processing) or Disabled (to make the rule unavailable).

BJTZ901   Database reconnection failed

Explanation: Output Manager failed to reconnect to the DB2 database.

User response: Review the messages that precede this one in the log to determine the reason for the connection failure.

BJTZ902   **Database reconnection successful**

Explanation: Output Manager successfully established a connection to DB2.

User response: No response is required.

BJTZ904   **Error connecting to DB2**

Explanation: Output Manager failed to connect to the DB2 database.

User response: Review the messages that precede this one in the log to determine the reason for the connection failure.

BJTZ905   **Error opening plan**

Explanation: The utility failed to open its DB2 plan from the target DB2 subsystem.

User response: Check whether the utility plan exists on the target DB2 subsystem. If this plan does not exist, you must bind the plan for the program packages.

BJTZ908   **Unable to open archive data set**

Explanation: A problem that is associated with product initialization occurred.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

BJTZ910M   **Access ID required. Archive access ID is required.**

Explanation: An archive access ID was not specified in the Access ID field.

User response: Type a valid access ID in the Access ID field. An Access ID must be derived from the Access Mask.

BJTZ910A   **Invalid view value. Initial view can only be Job, Step, Stats, or All.**

Explanation: An invalid option was specified in the Initial View field on the Preferences panel.

User response: In the Initial View field, specify one of the following valid options: Job, Step, Stats, or All.

BJTZ910B   **Invalid exceptions. Yes, No, or blanks only.**

Explanation: An invalid value was specified in the Exceptions field. The only valid values are Yes, No, and a blank.

User response: In the Exceptions field, specify Yes (to search for archives with exceptions) or No (to search for archives without exceptions). Alternatively, leave the field blank to search for both archives that have

exceptions and those that do not have exceptions

BJTZ910C   **Invalid date format. Relative date must be in the format of "T-nnnn", nnnn=days prior to today**

Explanation: A relative date was specified in the incorrect format in either the Before date field or the After date field. Relative dates must have the format T-nnnn, where "T" represents today and nnnn is a number of days prior to today.

User response: To specify a relative date, use the format T-nnnn. Alternatively, you can enter a specific date in the format YYYY/MM/DD, or type only T for today.

BJTZ910D   **Invalid date format. Date must be valid and in the format of YYYY/MM/DD**

Explanation: An invalid date value was specified. Dates must be specified in the format YYYY/MM/DD.

User response: Specify a date that is composed of valid values for the year, month, and day and that is in the format YYYY/MM/DD.

BJTZ910E   **Invalid time format. Time must be valid and in the format of HH:MM:SS**

Explanation: An invalid time value was specified. Time must be specified in the format HH:MM:SS.

User response: Specify a 24-hour time that is composed of valid hour, minute, and second values and that is in the format HH:MM:SS.

BJTZ910F   **Yes or No only. Only Yes and No are valid values for the Prompt on Entry field**

Explanation: An invalid value was specified in the Prompt on Entry field. This field indicates whether or not Output Manager displays the search criteria panel before an object list panel.

User response: In the Prompt on Entry field, type YES (to always display a search criteria prompt when you enter a list panel), or NO (do not display search criteria prompt).

BJTZ910G   **Yes or No only. Only Yes and No are valid values for the Save Criteria field**

Explanation: An invalid value was specified in the Save Criteria field on the Search panel. Only Yes or No is valid.

User response: Specify Yes or No in the Save Criteria field.

BJTZ911   **Selector TPL rule has been inserted to local storage**

Explanation: The information that you specified for the selector TPL rule was saved.

User response: No action is required.

BJTZ912   **TPL rule has been copied to the clipboard and cut from the local storage**

Explanation: The specified object was deleted from the list by using the X (Cut) line command. Information for the object now resides on the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ913   **Selector TPL rule has been copied to the clipboard**

Explanation: Information for the object has been copied to the Clipboard and is available to paste to another location.

User response: No action is required.

BJTZ914   **Selector TPL rule has been pasted from the clipboard**

Explanation: The information for the object that was copied to the clipboard has been pasted to the current location.

User response: No action is required.

BJTZ915   **Selector TPL rule has been saved to local storage**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ916   **Selector TPL rule has been deleted from local storage**

Explanation: You successfully deleted an object.

User response: No response required.

BJTZ917   **Selector TPL rule has been updated in local storage**

Explanation: The changes that you specified have been successfully saved.

User response: No response required.

BJTZ918   **This selector TPL rule does not exist**

Explanation: The TPL rule specified does not exist.

User response: No action is required.

BJTZ919   **Retention period must be non-negative**

Explanation: An invalid value was specified in the Retention Period field. This value must be a number from 0 through 9999.

User response: In the Retention Period field, type a number from 1 through 9999 to indicate the number of days that you want to keep the archives defined by these archive attributes. Alternatively, accept the default value of 0 if you want to use the retention criteria in the management class defined for your system.

BJTZ920A   **Invalid name. Archive attribute name cannot be blank.**

Explanation: A blank was specified in a field that cannot be blank.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid value in that field.

BJTZ920C   **Not numeric. Retention period must be a number.**

Explanation: A non-numeric character was specified in a field that only supports numeric values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Type a number in that field.

BJTZ920D   **Invalid print model. Only Classic or Report are allowed.**

Explanation: An invalid value was specified in the Print Model field. The only valid values are Classic and Report. This field determines which static, user-defined set of printer attributes (if any) to use for printing the report instances or the indexed report pages that are based on this report definition.

User response: Type either Classic or Report in the Print Model field. Specify Classic to use the sets of printer attributes that are linked to the recipient IDs on the distribution list that is assigned to the report definition. Specify Report to use the set of printer attributes that is linked directly to the report definition. If you specify Report, you will be able to override any Class, Copies, and Dest information from the report?s set of printer attributes for individual recipients on the distribution list. You do so from the Distribution List panel.

BJTZ920E   Invalid dyn print. Only No or Yes are allowed.

Explanation: An invalid value was specified in the Dynamic Print field. The only valid values are No and Yes. This field determines whether to use the "dynamic printing parameters" from the BJTDAT table for printing report instances or indexed report pages that are based on this report definition. For reports, Output Manager can capture certain key printing parameters from the SYSOUT and from the set of printer attributes that is linked to 1) the distribution list for the report or 2) the report definition. These "dynamic printing parameters" are stored in the BJTDAT table and merged at report print time.

User response: Type either No or Yes in the Dynamic Print field. Specify No to obtain all printing parameters from the recipient IDs on the distribution list and the applicable user- defined set of printer attributes. (The Print Model field determines which set of printer attributes applies.) Specify Yes to obtain the set of "dynamic printing parameters" from the BJTDAT table. (Any other printing parameters that are specified in the applicable set of printer attributes will still be used.)

BJTZ920F   Invalid space units. Only Tracks, Cylinders, Blocks, Kilobytes, Megabytes, Bytes, or Records Invalid space units. Only Tracks, Cylinders, Blocks, Kilobytes, Megabytes, Bytes, or Records

Explanation: An invalid value was specified in the Space Units field. This field specifies the type of units in which the archive space is allocated.

User response: In the Space Units field, type one of the following valid values: Blocks, Tracks, Cylinders, Kilobytes, Megabytes, Bytes, or Records.

BJTZ920G   Invalid record units. Byte modifier can only be Bytes, Mega, or Kilo

Explanation: An invalid value was specified in the Average Record Unit field. This field specifies the type of record units.

User response: In the Average Record Unit field, type one of the following valid values: B (bytes), M (megabytes), or K (kilobytes).

BJTZ920H   Invalid autocalc value. Auto calculate must be either Yes or No

Explanation: An invalid value was specified in the Auto Calculate field. Only Yes or No is valid.

User response: Specify Yes if you want to have the space that is required for allocating the archive file automatically calculated. Note that when you specify Yes, Output Manager ignores any values in the Primary Quantity, Average Record Unit, Space Units, and Block Size fields, provided that JES provides the data

quantity information that is required for auto calculation.

BJTZ920I   Invalid disposition. Only Catalog or Delete are allowed. Invalid disposition. Only Catalog or Delete are allowed.

Explanation: An invalid value was specified in the Abnormal Disposition field on the Archive Attributes Details panel. This field indicates what to do with an archive when a save-to-archive operation fails.

User response: In the Abnormal Disposition field, type one of the following valid values: - Catalog or C - To make the archive accessible through a catalog - Delete or D - To delete the archive

BJTZ920J   Invalid space release. Only Yes or No are allowed

Explanation: An invalid value was specified in the Release Unused Space field. This field indicates whether you want to release unused space.

User response: In the Release Unused Space field, type either Yes or No.

BJTZ920K   Invalid input. Value must be either Yes or No.

Explanation: An invalid value was specified in the Save Criteria field on the Search panel. Only Yes or No is valid.

User response: Specify Yes or No in the Save Criteria field.

BJTZ920L   Primary quantity can only be 0 if Auto Calculate is used

Explanation: A non-zero value was specified in the Primary Quantity field, but Primary Quantity can only be 0 when Auto Calculate is used.

User response: Either change the Primary Quantity field, or disable Auto Calculate.

BJTZ920M   Average block length can only be used when space units is blocks

Explanation: A value was specified in the Average Block Length field, but Space Units must be set to Blocks in order for Average Block Length to be used.

User response: Either change the Space Units value to Blocks, or remove the value from the Average Block Length field.

BJTZ920T   **Banner name required. Name required for banner page entry.**

Explanation: An invalid value was specified in the Banner name field. Your changes have not been saved.

User response: Type a valid value in the Banner name field.

BJTZ920U   **Member name required. Member name required for banner page entry.**

Explanation: An invalid value was specified in the member name field. Your changes have not been saved.

User response: Type a valid value in the member name field.

BJTZ920V   **Data set name required. Data set name required for banner page entry.**

Explanation: An invalid value was specified in the data set name field. Your changes have not been saved.

User response: Type a the name of the data set that contains the banner page in the data set name field.

BJTZ920X   **Invalid type. Type can only be Both, Heading, or Trailing.**

Explanation: An invalid value was specified in the Type field. This field indicates where the banner page information will be printed. Valid values are Both (before and after the report data), Heading (before the report data only), and Trailing (after the report data only).

User response: Specify a valid value in the Type field.

BJTZ920S   **PRSET Member name required. Name required for PRSET member entry.**

Explanation: An invalid value was specified in the PRSET Member name field. Your changes have not been saved.

User response: Type a valid value in the PRSET Member name field.

BJTZ920Y   **Member name required. Member name required for PRSET member entry.**

Explanation: An invalid value was specified in the Member name field. Your changes have not been saved.

User response: Type a valid value in the Member name field.

BJTZ920Z   **Data set name required. Data set name required for PRSET member entry.**

Explanation: An invalid value was specified in the data set name field. Your changes have not been saved.

User response: Type a the name of the data set that contains the PRSET member in the data set name field.

BJTZ921   **Invalid mask. Archive attribute mask cannot be blank.**

Explanation: A blank was specified in a field that cannot be blank.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify a valid value in that field.

BJTZ929   **Invalid retention period. Retention period must be zero when GDG or GDGnnn is specified.**

Explanation: A non-zero value was specified in the retention period field, but retention period must be zero when GDG or GDGnnn is specified.

User response: Either type 0 in the retention period field, or remove GDG or GDGnnn.

BJTZ930D   **Invalid name. A bundle name is required.**

Explanation: An invalid value was specified in the bundle name field. The field was not inserted into the Output Manager database.

User response: Type a valid value in the bundle name field.

BJTZ930E   **Invalid DD name mask. Only the characters A-Z, #, $, @, and 0-9 are allowed. The first character must be alphabetic. There must be exactly three characters.**

Explanation: An invalid value was specified in the DD name mask field on the Bundle Detail panel. This mask must be composed of three characters, beginning with a letter. Alphanumeric characters and national characters (#, $, @) are allowed. A numeric value is allowed only in characters 2 and 3.

User response: Type a valid mask in the DD name mask field. This value can be exactly three characters or blank.

BJTZ930F   **Invalid input. Only Yes or No are allowed.**

Explanation: An value was specified in a field that can only have Yes or NO as valid values.

User response: When you return to the panel, your cursor will be positioned in the field with the invalid value. Specify Yes or No in that field.

BJTZ930G   Invalid status. Only Enabled or Disabled are allowed

Explanation: An invalid value was specified in the Status field. Only Enabled or Disabled is valid. You can also leave the field blank if you do not want to search for objects based on a status value.

User response: Specify Enabled or Disabled in the Status field.

BJTZ930I   Invalid input. Only Save, Prompt, or Nosave are allowed.

Explanation: An invalid value was specified in the Changes at exit field. Only the following values are valid: - Prompt: Displays a confirmation prompt when you attempt to exit after making changes. You must confirm the changes to save the changes to the Output Manager database. - Save: Automatically saves the changes without first displaying a confirmation prompt. - Nosave: Automatically discards the changes without first displaying a confirmation prompt.

User response: Type one of the following valid values in the Changes at exit field: Prompt, Save, or Nosave.

BJTZ930J   Invalid input. Only Delete, Prompt, or Nodelete are allowed

Explanation: An invalid value was specified. This field specifies what should happen if an archive table entry points to a data set that is no longer cataloged.

User response: Only the following values are valid:

- - Delete: Deletes the archive table entry
- Nodelete: Retains the archive table entry
- Prompt: Displays a confirmation prompt asking whether or not to delete the entry.

BJTZ930M   Invalid Status. Only Enabled, Disabled, or Skip are allowed.

Explanation: An invalid value was specified in the Status field for the rule. Only Enabled, Disabled, and Skip are valid values.

User response: In the Status field, type either Enabled (to make the rule active and available for processing), Disabled (to make the rule unavailable), or Skip (to skip the rule and continue processing).

BJTZ930N   Invalid match name. Only Yes or No are allowed.

Explanation: An invalid value was specified in the Match name field. This field indicates whether Output Manager should match both the Layout Name value

and the Report Name value against the corresponding fields in report definitions when capturing basic reports based on SYSOUT from the named job. This field applies only when a layout name is specified.

User response: Type Yes or No in the Match Name field.

BJTZ930R   Jobname is required

Explanation: An invalid value was specified in the job name field. The field was not inserted into the Output Manager database.

User response: Type a valid value in the job name field.

BJTZ930S   The value is required. At least one of step name, procstep, or step number is required.

Explanation: A value is required in at least one of the specified fields for the rule.

User response: Specify a valid value in at least one of the following fields: Step Name, Proc Step, and Step Number.

BJTZ930T   The value is required. At least one of DD Name, Writer Name, or Form Name is required

Explanation: A non-blank, non-wildcard value is required in at least one of the specified fields for the rule.

User response: Specify a valid non-wildcard value in the DD Name, Writer Name, or Form Name field.

BJTZ931   Invalid mask. Symbol requires prefix.

Explanation: An invalid value was specified in the mask field. The symbol specified requires a prefix.

User response: Type a prefix before the symbol.

BJTZ932   Invalid mask. Symbol requires no prefix or postfix

Explanation: An invalid value was specified in the mask field. The symbol specified cannot have a prefix.

User response: Remove the prefix before the symbol.

BJTZ933   Invalid mask. Unexpected empty token

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

BJTZ934   **Invalid mask. Token is too large**

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

BJTZ935   **Invalid mask. Token starts with invalid character**

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

BJTZ936   **Invalid mask. Token contains invalid character**

Explanation: A problem occurred during product startup.

User response: Notify your systems programmer about the problem. If the problem persists, gather all details and contact Technical Support for assistance.

BJTZ939   **Invalid copies. The Copies value must be a number between 0 and 255**

Explanation: An invalid value was specified in the Copies field on the Recipient Details panel. This field specifies the number of report copies to print for the recipient.

User response: Specify a number from 0 through 255 in the Copies field. If you accept the default value of zero, the report will be distributed online but will not be printed.

BJTP901I   **Parm** *n=value*

Explanation: This informational message displays the parameter number and value for a parameter specified in the BJT@BUNP job.

User response: No response required.

BJTP902I   **The parameters contain** *n* **errors. Only the first 10 errors will be displayed.**

Explanation: The parameters specified in the BJT@BUNP job contain more errors than the errors currently displayed. Only the first 10 errors are displayed.

User response: Resolve the displayed errors and then rerun the BJT@BUNP job.

BJTP903I   **Duplicate parameters specified, only final value accepted.**

Explanation: A parameter that can be specified only once was specified multiple times. The value specified in the last instance of the parameter will be used. Previous instances will be ignored.

User response: Review the BJT@BUNP job and remove duplicate parameters.

BJTP904I   **Error in DB2CONNECTION. Value is set to CAF.**

Explanation: The value specified for the DB2CONNECTION parameter in BJT@BUNP is invalid.

User response: Contact Technical Support.

BJTP905I   **Parm** *n* **exceeds the maximum acceptable length of** *maximum*. **The parameter is ignored.**

Explanation: The specified parameter value is invalid.

User response: Specify a valid value for the parameter. The message text displays the maximum length allowed for this parameter.

BJTP906I   **Illegal parameter name, ignored.**

Explanation: An invalid valid was specified for a parameter name. The parameter is ignored.

User response: Review and modify the BJT@BUNP job to ensure that all parameter names are specified correctly.

BJTP907I   **Illegal DD name, ignored.**

Explanation: An invalid DD name was specified in the SYSPRINT parameter of BJT@BUNP. The DD name is ignored.

User response: Contact Technical Support.

BJTP908I   **Parm** *n* **is missing an ending quote.**

Explanation: The specified parameter requires an end quote, but one was not included.

User response: Review and modify the BJT@BUNP job to include an end quote in the specified parameter.

BJTP921S   **Failed connection to DB2 for SSID =** *ssid* **and PLAN =** *plan*

Explanation: BJTCBUNP failed to connect to the DB2 subsystem specified in the JCL job stream.

User response: Ensure the DB2SSID and plan name values are correct and resubmit the BJT@BUNP job.

BJTP922S **The UNIX system service returned a failure. It is most likely that the user does not have an OMVS segment. Errno:** *n*, **Errno2:** *n*

Explanation: The user ID does not have an OMVS segment defined. The user submitting the BJT@BUNP job must have an OMVS segment (RACF). Processing terminates.

User response: If necessary, contact your report and/or security administrator to request an OMVS segment be added to your profile.

BJTP923S **Failed to allocate common storage.**

Explanation: BJTCBUNP was unable to allocate storage used by several internal functions. Processing terminates.

User response: Increase the region size specified in the JCL and rerun the BJT@BUNP job.

BJTP924S **Database error, SQLCODE=***code*

Explanation: A database error occurred that requires investigation.

User response: Contact the product administrator. Provide the full text of this message, including the SQL code. If further assistance is needed, contact Technical Support.

BJTP925S **Required** *parameter name* **parameter missing.**

Explanation: A required BJTCBUNP parameter was not specified.

User response: Review and modify the BJT@BUNP job to include the indicated required parameter.

BJTP927S **Error in parameter SYSPRINT=***value*

Explanation: An error occurred when trying to open the DD name specified in the SYSPRINT parameter of BJT@BUNP, or the DD statement was not included in the JCL.

User response: Contact Technical Support.

BJTP928S **Invalid DB2OWNER in database.**

Explanation: A DB2 error occurred. The DB2OWNER value could not be obtained from DB2.

User response: Specify a valid DB2 subsystem ID in the DB2SSID parameter and a valid value in the DB2PLAN parameter, and resubmit the BJT@BUNP job.

BJTP929S **Error tailoring bundle print job. PRINT_PDS attribute is not configured. | Unable to open** *dsn member*.

Explanation: An error occurred in the BJTCBUNP program. Either the PRINT_PDS configuration parameter, which specifies the data set name of the library that contains the Output Manager JCL for printing, re-printing, and bundle printing, has not been specified, or the PRINT_PDS data set cannot be opened.

User response: If PRINT_PDS has not been specified, specify it in the Policy Administration panels (Output Manager ISPF A.PA). If PRINT_PDS has already been specified, ensure that the specified data set is available.

BJTP930S **Dynamic allocation error.**

Explanation: The BJTCBUNP program was unable to allocate INTRDR in order to submit a bundle print job.

User response: Determine the cause of the dynamic allocation error. If you cannot correct the error, contact your report administrator or Technical Support.

BJTP931S **User not authorized to** *action* **bundles.**

Explanation: The user ID does not have the necessary security permissions to perform the specified action.

User response: To list bundles, the user must have READ access to the BJT.*bjtowner*.ADM.BUN resource, where *bjtowner* is the name of the owner of the Output Manager DB2 tables. To activate, deactivate or reactivate bundles, the user must have CONTROL access.

BJTP932S **BUNDLE_INSTANCE line not found in** *dsn member*.

Explanation: A line required by the BJTCBUNP program was missing in the indicated data set name.

User response: Specify the BUNDLE_INSTANCE line in the indicated data set name, and then resubmit BJT@BUNP.

BJTP933S **Error writing** *n* **of** *m* **records to INTRDR.**

Explanation: An error occurred while attempting to write records to INTRDR.

User response: Resubmit the BJT@BUNP job. If the error occurs again, contact your system programmer.

BJTP934S **Configuration error. SAF_CLASS attribute is not configured.**

Explanation: The SAF_CLASS configuration parameter, which specifies the SAF class used by RACF (FACILITY or XFACILIT), is required but has not been specified.

BJTP932S

User response: Specify the SAF_CLASS configuration attribute in the Policy Administration panels (Output Manager ISPF A.PA).

BJTP932S   **BUNDLE_INSTANCE line not found in** *dsn member***.**

Explanation: A line required by the BJTCBUNP program was missing in the indicated data set name.

User response: Specify the BUNDLE_INSTANCE line in the indicated data set name, and then resubmit BJT@BUNP.

BJTP932S   **BUNDLE_INSTANCE line not found in** *dsn member***.**

Explanation: A line required by the BJTCBUNP program was missing in the indicated data set name.

User response: Specify the BUNDLE_INSTANCE line in the indicated data set name, and then resubmit BJT@BUNP.

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Glossary

A

access authority. (1) The privileges granted to a particular user or group when accessing a protected resource (such as the ability to read or update a data set). For resources protected by RACF profiles, the access authorities are NONE, EXECUTE, READ, UPDATE, CONTROL, and ALTER. These authorities are hierarchical, with READ also granting EXECUTE, UPDATE granting READ, and so forth. (2) RACF also has access authorities of READ, WRITE, and EXECUTE (or SEARCH) when dealing with files and directories in the HFS. Note that these authorities are not hierarchical, and HFS files are not protected by RACF profiles, although they do have access authorities.

access intent. When a user performs a function within Output Manager, they are attempting to access a resource with some intent. This intent is the same as the authority. If the user has sufficient authority for the given request, they are then granted access. Output Manager only implements NONE, READ, UPDATE, and CONTROL authorities. This is a hierarchy (except for NONE). If you have CONTROL authority, you then also have UPDATE and READ authority.

access list. A list of RACF user IDs and group names authorized to access a resource. This list also includes the level of access granted to each user ID and group.

archive attributes. A set of attributes that Output Manager uses when allocating a sequential file to hold captured SYSOUT. A report administrator creates a set of archive attributes and links them to selector rules. When SYSOUT is selected, archive attributes define how to name the archive data set that is to be created, where to allocate it, and how much space to reserve for the archive.

archive mask. A template that is used to create the data set name for an archive.

archive storage. The storage in which the long-term or backup copy of a report is maintained. Includes the devices and volumes on which the files are stored and the management policies that determine how long data is maintained in archive storage.

attribute character. A special character used in the body section of a master banner page member that indicates the start and end of symbolic variables and text display information (such as text location and size).

B

banner page. Optional, user-defined information that report administrators can include in printed output for a report or report bundle, for example, special routing instructions. Output Manager supports the following types of banners: report banners that apply to individual reports, bundle banners that apply to entire report bundles, and bundle recipient banners that apply to individual recipients within a bundle. All of these banners are defined in the same way. However, they are linked to different objects: a report definition, bundle definition, or bundle recipient definition. A banner is printed at the top or bottom of the output for the object to which it applies.

basic report. A report that contains the entire contents of an archived SYSOUT data set (archived report) and that can be distributed and printed.

bundle. A logical collection of basic and custom reports, grouped by recipient, which a report administrator can optionally define. A bundle is printed as a single output stream, usually to a physical printer. Also called a *report bundle*.

bundle banner. A banner page that applies to an entire bundle of reports. *See also* banner page.

bundle history. A list of the captured bundle instances that have been deactivated and printed. A deactivated bundle instance includes the reports that were collected for bundle recipients while the bundle instance was open (activated). These bundle instances are listed on the Bundle History panel. From this panel, you can reprint an entire bundle instance or part of a bundle instance.

bundle instance. A captured instance of a report bundle. A bundle instance is created when you specify the BUNDLE ACT command. It can include a subset of the bundle recipients and bundle reports that are specified in the bundle definition. Only those reports that are actually produced while the bundle window is open are included. When you specify the BUNDLE DEACT command, the bundle instance is deactivated and printed. You can reprint deactivated bundle instances from the Bundle History panel. *See also* bundle window.

bundle print job. A print job that users create specifically for printing report bundles. Bundle print jobs have certain syntax requirements.

bundle recipient. A person or location that is to receive one or more reports within a report bundle. A bundle recipient is based on a recipient ID. When you

create a bundle definition, you specify one or more bundle recipients and identify the reports that each recipient is to receive. By doing so, you create report packages, arranged by recipient, within the bundle. *See also* bundle report.

bundle-recipient banner. A banner page that applies to a specific bundle recipient within a report bundle. *See also* bundle recipient and banner page.

bundle report. A basic or custom report that is included in a bundle recipient's package of reports within a report bundle. When defining a bundle, you must select at least one bundle report (report definition) for a bundle recipient. When the bundle is activated, Output Manager collects the bundle report instances that are captured for the recipient's package of reports. When the bundle is deactivated, all of the accumulated reports, arranged by recipient, are printed in a single output stream. *See also* bundle recipient.

bundle window. The time interval between the activation and the deactivation of a report bundle. When you activate a bundle, you *open* the bundle window. While the bundle window is open, Output Manager defers the real-time printing of all reports that are specified in the bundle definition. Instead, Output Manager records any bundle reports that are produced in the bundle history table. When you deactivate a bundle instance, you *close* the bundle window; this action stops the collection of bundle reports and prints all of the bundle reports that were gathered while the bundle window was open.

C

configuration. The process of describing to a system the devices, optional features, and program products that have been installed so that these features can be used. Contrast with Customization.

customization. The process of describing optional changes to defaults of a software program that is already installed on the system and configured so that it can be used. *Contrast with* configuration.

custom report. A subset of a captured report. A custom report is generated when the field-operator-value conditions that are defined in a report definition are met. The fields in such condition entries must be defined in the report layout that is linked to the report definition. *See also* report layout and custom report definition.

custom report definition. A custom report definition specifies conditions that must be met to create a custom report (a subset of the captured SYSOUT). When defining a custom report, you must specify condition entries (field-operator-value conditions). For a custom report to be created, 1) the fields in the condition entries must match the fields in the layout that is linked to the report definition, 2) the condition entries

must match a captured SYSOUT, and 3) the report name in the report definition must match the corresponding field in a report selection rule. Optionally, a custom report definition can be linked to a distribution list, report banner page, and PRSET member.

D

distribution list. A group of recipients that are linked to a custom report definition and control the real time, reprint, or reprint with distribution functions. See also Recipient.

dynamic printing parameters. Key printing parameters that are stored in the BJTDAT table and that are captured from SYSOUT data sets and sometimes also from the applicable set of printer attributes. These parameters are: CLASS, DEST, FCB, FORMS, FORMDEF, OPTCD=J, PAGEDEF, PRMODE, TRC, and UCS. For archived reports, these parameters are captured from the SYSOUT data sets only. For basic and custom reports, these parameters are captured from the SYSOUT data sets and from the set of printer attributes that is linked to 1) the distribution list or 2) the report definition. When a basic or custom report is printed, the parameters from these two sources are merged. For the dynamic printing parameters to be used, the **Dynamic Print** field must be set to **Report** in the report definition (for a basic, custom, or indexed report) or to **Yes** in the set for archive attributes (for an archived report).

F

field. In an Output Manager layout, a sub-component that you define within an area, which, in turn, is contained within a page.

field index. An index record that Output Manager generates when processing reports based on a report definition that specifies an index. An index can be composed of up to eight index fields. A field index points to one or more report pages within an archived SYSOUT that 1) contain all of the defined index fields and 2) have a nonblank value for at least the first index field. Users can select a field index to view the associated report page or pages.

I

index. A means of segmenting an archived SYSOUT into uniquely identifiable sets of report pages that users can search for and retrieve. This segmentation is based on an index that is specified in a report definition. An index is composed of up to eight index fields. These fields must be specified in the layout that is linked to the report definition. Output Manager will generate *field indexes* (index records) that point to each page or

set of pages that 1) contains all of the index fields and 2) have a nonblank value for at least the first index field. *See also* field index.

indexed report. A report instance that is based on a report definition that specifies an index. From an indexed report, users can drill down to the *field indexes* that were generated for the report instance. The field indexes point to the report pages that contain all of the defined index fields.

indexed report definition. A report definition that specifies an index. An index is used to segment SYSOUT based on up to eight defined index fields.

ITOMweb. The online user interface that allows users to access and print reports from the web. Additionally, administrators can perform administrative tasks from the Administrative Reports section.

L

layout. *See* report layout.

P

policy. The set of Output Manager selector rules, subselector rules, and report selection rules that are currently defined and enabled on your Output Manager system. You must activate the policy for the rules to be read into memory and available for use by Output Manager.

print job. A series of print files scheduled for printing. At print submission time, the user can request one or more files to be printed; therefore, a print job consists of one or more print files.

print override. The printing option that enables a user to temporarily override printer information and direct printout to a different printer.

printer attributes. A set of attributes including information about general printing attributes, PSF-related attributes, and attributes associated with printing on a 3800 series printer.

profiles. RACF-defined entities that are used as the primary protection mechanism. Each Output Manager installation defines its own set of profiles to give the level of protection desired. Profiles can contain wildcards, thus enabling the coverage of more than one resource type, ID, subsystem, and so on.

PRSET member. A member that contains any binary characters that you want to use for controlling the physical printing or formatting of reports on a printer. For example, if your printer supports Advanced Function Printing (AFP), you could create a PRSET member that contains AFP structured fields. A PRSET member must reside in the partitioned data set (PDS).

R

real-time printing. A category of printing for which a hard copy is produced for each recipient in the distribution list associated with a custom report. Real-time printing occurs at the time the SYSOUT is processed by Output Manager to create the virtual custom reports.

recipient. Information about an individual or generic location such as name, address, building, printer destination, SYSOUT class, or USERID. *See also* distribution list.

report. A print data stream produced by a user-defined program or other software program that can contain hundreds or thousands of pages of related information. Most reports can be logically divided and indexed into single and multiple page objects called documents.

report bundle. *See* bundle.

report layout. In Output Manager, a report layout is the way of describing how an original report looks as produced by an application. A report layout has three sub-components: pages, areas, and fields, where pages contain areas, areas contain fields, and fields are specific data on a report. *See also* area, field, and page.

report selection rule. A rule that 1) specifies criteria (such as a job name, DD name, step name, step number, and proc step) against which a captured SYSOUTs are matched to determine if they should be processed into basic reports and 2) identifies a report name and optionally a layout that is matched against report definitions to initiate the creation of basic and custom reports. *See also* basic report.

reprinting. A printing option that is available to report administrators for printing a basic or custom report again or for printing a report bundle instance again.

resource. An entity protected by the security system, for example, data sets, programs, and application-specific objects are resources.

Resource Access Control Facility (RACF). An IBM licensed program for z/OS systems that provides access control by identifying users to the system; verifying users of the system; authorizing access to protected resources; logging detected, unauthorized attempts to enter the system; and logging detected accesses to protected resources.

resource names. The structured name associated with each Output Manager resource. The resource name facilitates the use of wildcards at various levels. The general structure of a resource name consists of levels, like dataset names, which are separated by periods. The structure of a resource name is `bjt.ssss.restyp.resid` where `bjt` is the three-character

SAF ID, ssssssss is the product instance name, restyp is the object type (MENU, SECV, RPRT, etc) and resid is the instance of the particular object. Resource names that contain blanks are represented in RACF profile names with the "_" character. All resource names will be folded to uppercase.

S

SAF. *See* System Authorization Facility.

SAF ID. The variable that identifies the highest level of the structured resource name. This variable is used to differentiate a structured resource from other general resources (such as operator commands).

selector rule. A rule that 1) specifies criteria by which specific output types are selected directly off the spool and 2) defines what to do with the captured output, for example, when it is archived. Also called a *selector definition*.

System Authorization Facility (SAF). (1) A z/OS facility through with programs communicate with an external security manager such as RACF. (2) An interface defined by MVS™ that enables programs to use system authorization services in order to protect access to resources such as data sets and MVS commands. The IBM Resource Access Control Facility (RACF) is a product that uses the SAF interface.

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