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Electronic Burst and Bind

JDEdwards®

J.D. Edwards World Source Company
One Technology Way
Denver, CO 80237

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Electronic Burst and Bind Overview

Electronic Burst and Bind (EBB) eliminates much of the cost and effort generally required to generate, collate and distribute reports and documents. EBB is designed to work seamlessly with J. D. Edwards software, and FASTR and World Writer reports.

Basic Processes of EBB

Electronic Burst and Bind uses the following processes:

- Bursting
- Binding
- Routing

Consider the following example. An Income Statement and a Balance Sheet are run for three companies. The system creates two spool. One includes the income statements and the other includes the balance sheets.

Beginning Spool File 1
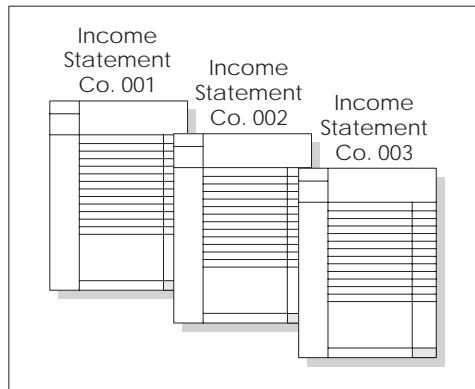
Beginning Spool File 2
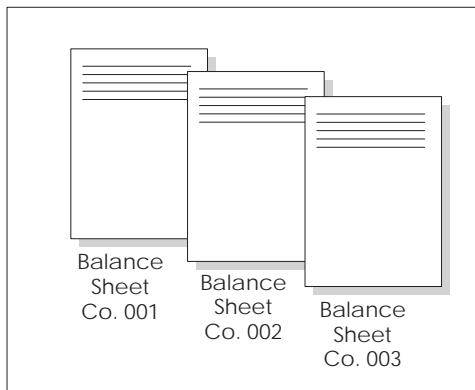
Bursting

Based on the criteria you specify, EBB separates a single spool report into multiple spool files. This prevents you from having to run and then separate DREAM Writer reports. The burst criteria in this example is the Company Number.
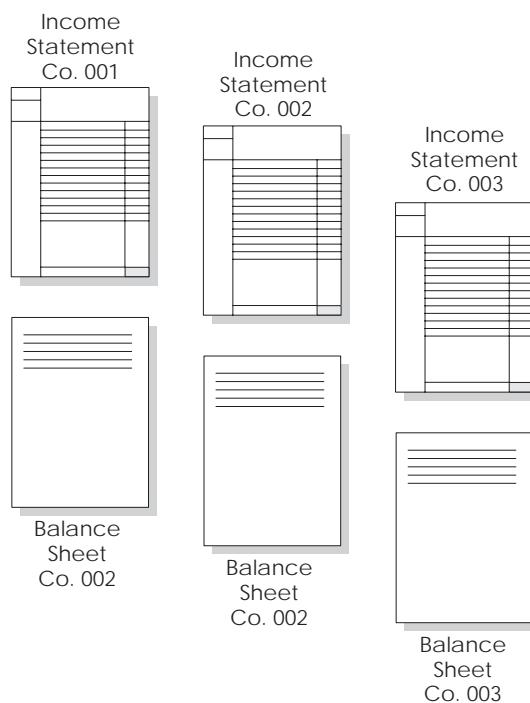
Binding

After the system separates a spool file, the binding process selects specific pages and collates them into a designated print order. Then, the system creates separate spool files that contain the sorted reports.

In the following example, the Balance Sheet and Income Statement for each Company are bound together.

Spool File A	Spool File B	Spool File C
Income Statement Co. 001 — Balance Sheet Co. 001	Income Statement Co. 002 — Balance Sheet Co. 002	Income Statement Co. 003 — Balance Sheet Co. 003
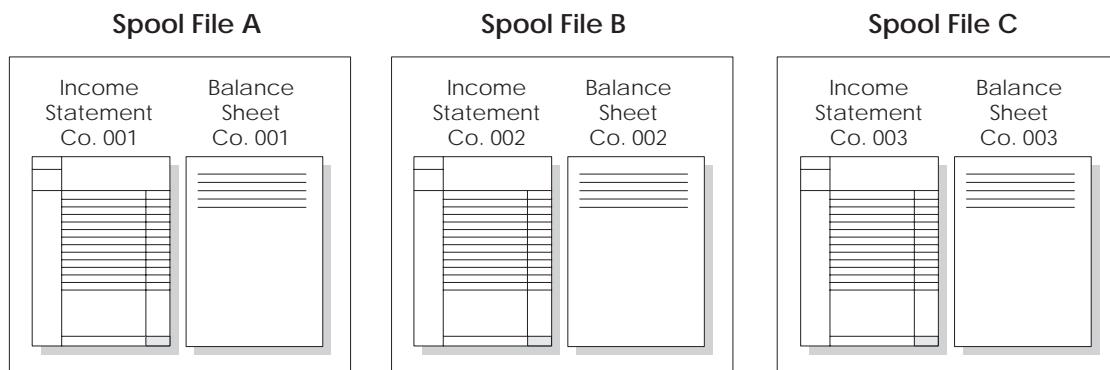
Routing

The routing process distributes each output spool file to one or more destinations. Functions can be performed against the output spool file, depending on your requirements.

In the following example, the spool file contains the Balance Sheet and Income Statement for Company 003 and is routed to multiple destinations.

Spool File C

Income Statement Co. 003

Balance Sheet Co. 003

Fax

Tape*

Printer

Archival system*

Microfiche*

Form/400*

Image*
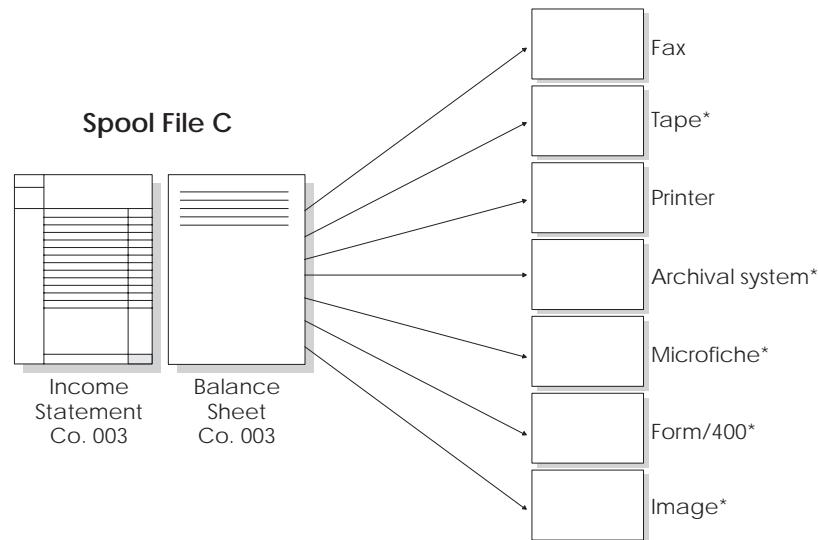
*Add-on feature

Process Flow

Depending on your needs, you can use the basic Electronic Burst and Bind processes of bursting, binding, and routing reports individually or together. The following illustrates the process flow of the EBB.
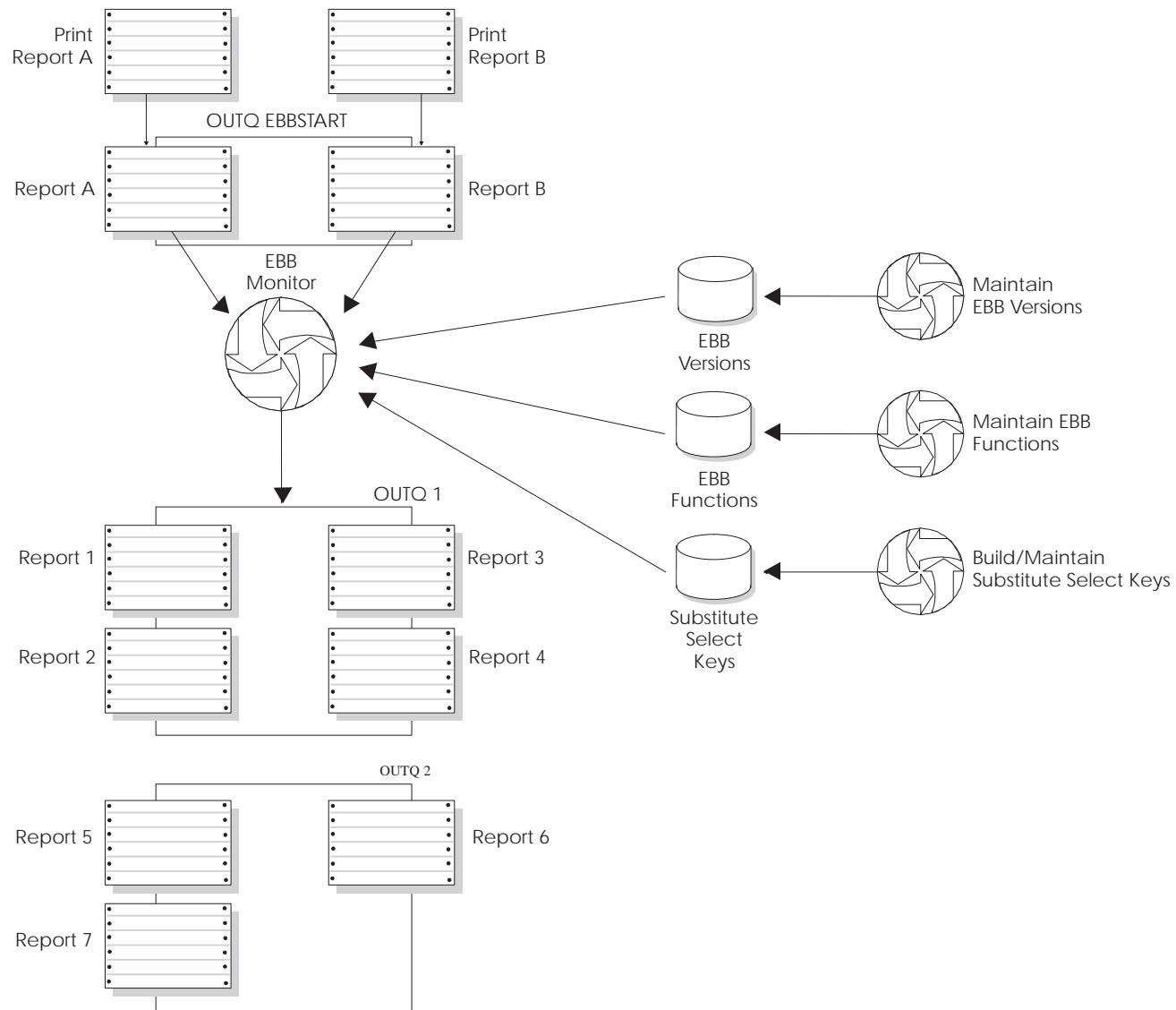
Electronic Burst and Bind Master Menu

To access the Electronic Burst and Bind menu, type G98E on the command line and press Enter. Electronic Burst and Bind has no sub-menus.

```
[G98E] - Electronic Burst and Bind - (J.D. Edwards & Company)      _ □ ×
Functions   Menu Functions   Tools   Help
 ✔  ✘

  Tue, Aug 12, 1997        A8.1 Development W/ANALYZER        SB495744
    1:27:44pm             (C) J.D.Edwards & Co 1985,1996      QPADEV0079
                                                              JDED

       MONITOR                            REPORTS
   2   Start EBB Monitor            14   Version Information Report
   3   End EBB Monitor              15   Entity/Functions Reports
   4   Display EBB Message Queue


       MAINTENANCE                        SETUP
   7   Maintain EBB Versions        19   EBB Setup File Maintenance
   8   Maintain EBB Functions       20   Clear History Log
   9   Rebuild Substitute Table     21   Generate Demo Spool Files



 [                                                              ]
                                                          MW
```

About This Guide

This Electronic Burst and Bind guide is organized by the various topics in the EBB process. It contains the following information:

- ❑ EBB setup and environment

- ❑ Monitor

- ❑ Versions

- ❑ Reports selection

- ❑ Burst and bind criteria

- ❑ Select keys

- ❑ Routing functions

- ❑ Substitute select keys

Before You Begin

To use EBB, you must have working knowledge of J. D. Edwards software and AS400 operations.

EBB Setup and Environment

About EBB Setup and Environment

This section contains important information on maintaining your Electronic Burst and Bind processing queues and EBB data files. Whether you are a new or experienced user of Electronic Burst and Bind, you should read and understand this section.

EBB requires a job queue and three output queues. Before you can use Electronic Burst and Bind, identify the appropriate processing queues for your EBB Setup. If one or more queues do not exist, you must create them. While you can name your processing queues whatever you like, J.D. Edwards recommends the following three queues:

- EBBJOBQ
- EBBERRQ
- EBBFINAL

Note: An output queue named EBBSTART may also need to be created. This name must be EBBSTART.

After the processing queues are created, you must run the EBB Setup File Maintenance program - P98E99 to update your EBB data files. When you run P98E99, you must indicate the appropriate processing queues.

This section consists of the following:

❏ Update the EBB setup files

❏ Customize the EBB processing environment

Before You Begin

Check to be sure these prerequisites are met:

❏ Ensure you are an experienced JDE and AS/400 operator.

❏ Ensure that your JDE release is A8.1 or higher. To verify, choose option 25 from any JDE menu. Then, view the Version ID in the lower right of the video.

❑ Ensure there is a minimum of 2 megabytes for file storage and 5 megabytes programs.

Electronic Burst and Bind

Update EBB Setup Files

Updating EBB Setup Files

To update your EBB setup files, EBB must already be installed on your system and using system code 98. The following instructions update the EBB setup files to the most recent version.

Note: If you had EBB installed at releases prior to A81, you must convert from your previous EBB version.

Before You Begin

❏ Identify the required job queue, message out queue, and final out queue. Ensure that the output queue for storing reports, EBBSTART, exists. If any of these processing queues do not exist, you must create them.

▶ **To update EBB setup files**

On Electronic Burst and Bind

1. Choose EBB Setup File Maintenance. EBB Reinstall Data Files appears.
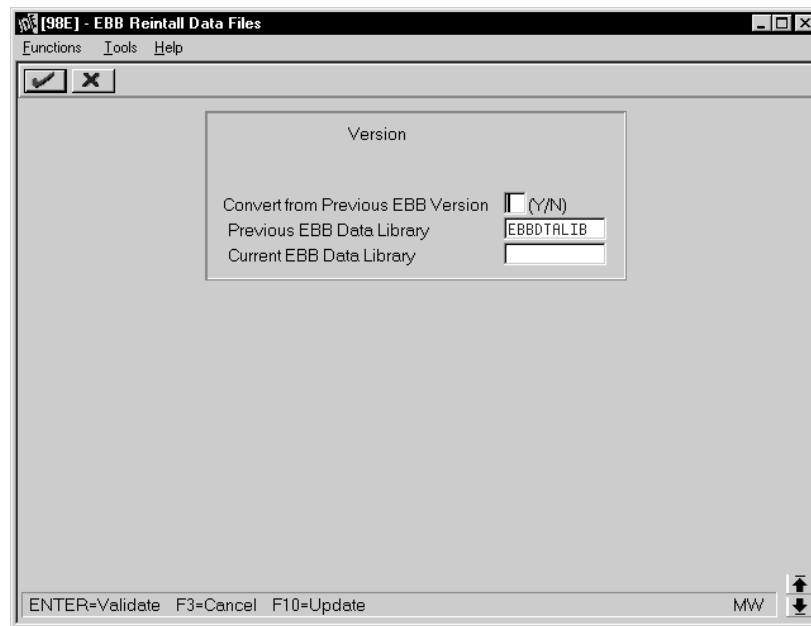
2. Complete the following installation parameters:

- Convert from previous EBB files
- Current EBB data library

3. To validate the fields, press Enter.

4. To proceed with the update, press F10.
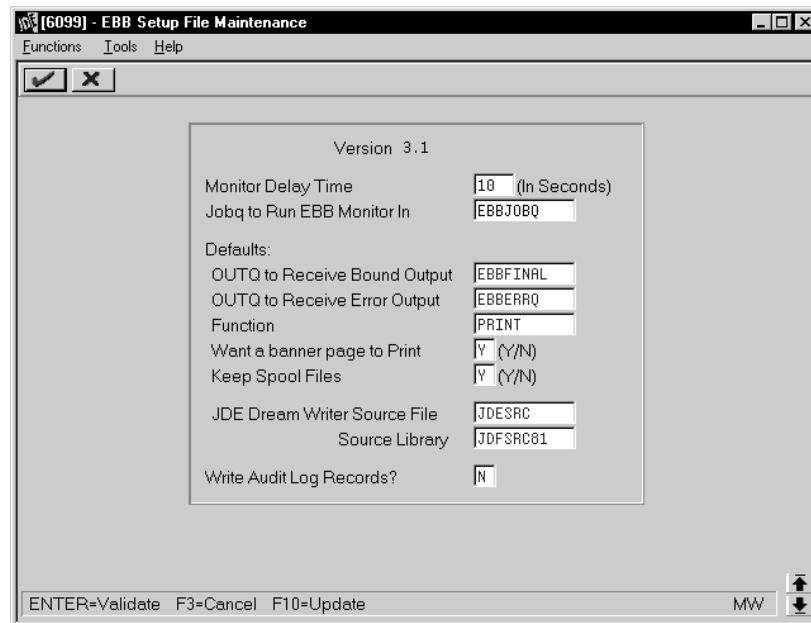
5. On EBB Setup File Maintenance, complete the following fields:

- Monitor Delay Time

- Jobq to Run EBB Monitor In
- OUTQ to Receive Bound Output
- OUTQ to Receive Error Output
- Want a banner page to print?
- Keep spool files
- JDE DREAM Writer source file
- JDE DREAM Writer source library
- Write audit log records

Field	Explanation
Convert from previous EBB files?	Indicates whether you want to convert EBB data files from a previous version of EBB. The valid values are: • Y - convert data files • N - do not convert data files If you enter Y, you must also enter the name of your current production data library or the library into which you previously installed EBB. If you enter N, EBB proceeds to the EBB Setup File Maintenance form without updating any files.
Current EBB data library	The current production data library.
Monitor Delay Time	The number of seconds between successive runs of the EBB monitor. J.D. Edwards recommends 300 to 900 seconds (5 to 15 minutes). This does not result in undue processing requirements on the system, yet is sufficient for the EBB monitor to burst reports.
JOBQ to run EBB monitor in	The default job queue. J.D. Edwards recommends the default, EBBJOBQ, unless you changed the name during installation.
OUTQ to receive output reports	The default out queue to which burst and/or bound reports are stored. J.D. Edwards recommends the default, EBBFINAL, if you want to store the burst and/or bound reports to a separate out queue.
OUTQ to receive error output	The default output queue to which messages are written when select keys are not found. J.D. Edwards recommends the default, EBBERRQ.

Field	Explanation
Function	PRINT is the default routing function and must always be the first function for a select key. You cannot modify this field.
	Note: For an individual select key, you can use the PRINT routing function to override the receiving output queue.
Want a banner page to print	Indicates whether a banner page prints with the report. The valid options are: • Y - prints a banner page • N - does not print a banner page The default is Y. You can override this option for a version ID using individual select keys.
Keep spool files	Indicates whether the monitor stores or deletes the original unburst reports. Valid values are: • Y - store the original reports • N - delete the original reports J.D. Edwards recommends that you set this to Y initially.
Write audit log records	Indicates whether EBB tracks and saves the processing results of an EBB version. The valid values are: • Y - saves an audit log • N - does not save an audit log

Customize the EBB Processing Environment

Customizing the EBB Processing Environment

Install creates an EBBJOBD in object library. EBBJOBD uses the Monitor submit program. You might want to customize this job description for your environment. For example, if you are using a special user profile, customize the job description by including the special user profile on EBBJOBD.

To run EBB using a special user profile, the profile must be active with the appropriate J.D. Edwards authorizations.

► **To customize the EBB processing environment**

1. Terminate the subsystem where EBB will run.

2. To add the EBB jobq to the subsystem, type the following command.

   ADDJOBQE SBSD(*LIBL/xxxxxx) JOBQ(EBBLIB/EBBJOBQ) SEQNBR(##)

   where xxxxxx = the name of the subsystem and ## = the next available number for the subsystem. To see the next available sequence number, type the following command:

   DSPSBSD SBSD(xxxxxx)

   Then, choose Job Queue Entries. Sequence numbers appear to the left of each jobq entry.

3. Restart the subsystem where EBB will run.

Versions

About EBB Versions

An EBB Version is a collection of instructions that burst, bind and route one or more reports. There is no limit on the number of EBB versions you can set up.

Each EBB Version identifies one or more reports to be burst and/or bound. The binding process occurs whenever two or more reports are specified for a particular EBB Version. Unless referenced to a model version, each EBB Version contains a set of select keys. These select keys might use the default routing or have attached routing functions.

This section shows you how to:

❏ Add a version

❏ Maintain a version

❏ Use a model version

Add an EBB Version

Adding an EBB Version

The first step in using Electronic Burst and Bind is to add an EBB version. After a version exists, you can define the burst area and routing instructions. To add a version, access the Maintain EBB Version form.

The following instructions show you how to add a new version.

Before You Begin

❑ Move the spool files with which you want to work to EBBSTART.

❑ Clear the EBB Monitor. On Electronic Burst and Bind, choose End EBB Monitor.

▶ **To add a version**

On Maintain EBB Versions
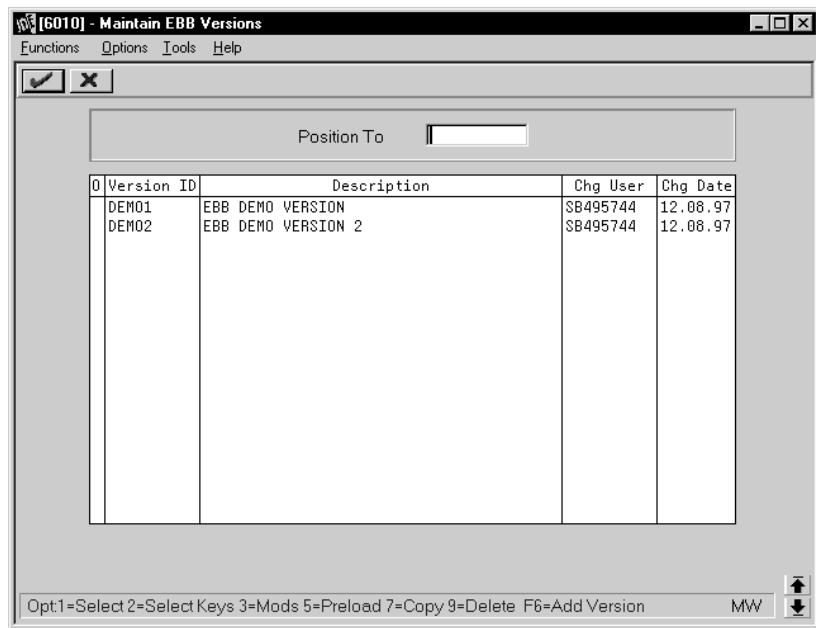
1. To add a new version, press F6.
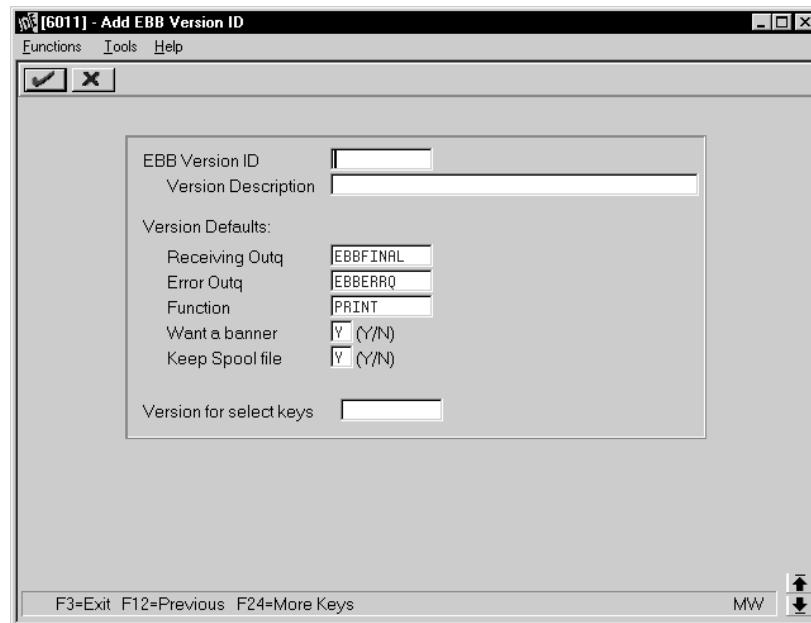

```
[6011] - Add EBB Version ID                                    _ □ ✕
Functions   Tools   Help

  ✔  ✗


        EBB Version ID          |
            Version Description  |

        Version Defaults:

            Receiving Outq       EBBFINAL
            Error Outq           EBBERRQ
            Function             PRINT
            Want a banner        Y  (Y/N)
            Keep Spool file      Y  (Y/N)


            Version for select keys  |


    F3=Exit  F12=Previous  F24=More Keys                    MW
```

2. On Add EBB Version ID, complete the following fields:

   - EBB version ID
   - Version Description
   - Receiving Outq
   - Error Outq
   - Function
   - Want a banner
   - Keep Spool File
   - Version for select keys

You must enter all field values on the Add EBB Version ID form or accept the defaults. However, you can press F3 or F12 to return to the previous form without adding a version ID.

After you press enter, the process selects reports to burst and bind.

Field	Explanation
EBB Version ID	A unique name up to ten characters without blanks.
Version Description	Short, informative text that identifies a version.

Field	Explanation
Receiving Outq	The processing queue where the burst and/or bound spool files are sent if no other output queue is specified. This output queue will be the default for this version. J.D. Edwards recommends you do not enter EBBSTART because the monitor looks for spool files to be burst in this output queue.
Error Outq	Accept the default, EBBERRQ, or enter another one.
	The error output queue is where spool files are sent if the select key is not found or if the functions are set up incorrectly. You can then choose to move the file from the error output queue to another output queue, but the report cannot be re-routed through EBBSTART. Check the EBBERRQ to see what report must be distributed manually each time the monitor runs.
Function	PRINT is the default routing function and must always be the first function for a select key. You cannot modify this field.
	Note: For an individual select key, you can use the PRINT routing function to override the receiving output queue.
Want a banner	Indicates whether a banner page prints with the report. The valid options are: • Y - prints a banner page • N - does not print a banner page
	The default is Y. You can override this option for a version ID using individual select keys.
Keep spool file	Indicates whether the monitor stores or deletes the original unburst reports. Valid values are: • Y - store the original reports • N - delete the original reports
	J.D. Edwards recommends that you set this to Y initially.
Version for select keys	The version ID that is used as the model for a new version. If a model version is not used, leave this field blank. It defaults to the version ID you are setting up.

Options

You can choose the following options on the Maintain EBB Versions form:

1	Selects a version with which you can work.
2	Displays the Select Keys Maintenance form for the corresponding EBB version.
3	Display the Maintain EBB Versions form where you can modify the EBB version.
5	Displays the Spool File Selection form where you can select and sequence reports in the spool file.
7	Displays the EBB - Copy Version ID where you can duplicate the EBB version.
9	Deletes the EBB version.

Function Keys

Use the Function keys to perform the following tasks
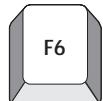
F6   Add a new EBB version

See Also

- *Monitor* for information on moving spool files and using the EBB Monitor.

Maintain EBB Versions

Maintaining EBB Versions

```
[6010] - Maintain EBB Versions                          _ □ ×
Functions  Options  Tools  Help
 ✔   ✖

                        Position To    [        ]

O Version ID            Description          Chg User  Chg Date
  DEMO1     EBB DEMO VERSION                  SB495744  12.08.97
  DEMO2     EBB DEMO VERSION 2                SB495744  12.08.97




Opt:1=Select 2=Select Keys 3=Mods 5=Preload 7=Copy 9=Delete F6=Add Version   MW
```
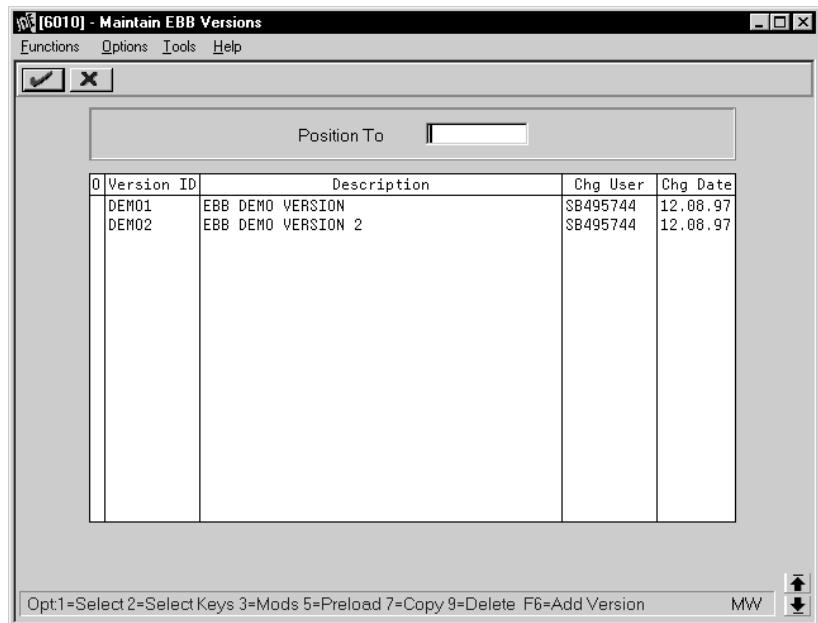
After you set up a version, it appears in the versions list on the Maintain EBB Versions form. You can perform various options against the version ID definition.

To maintain versions, complete the following tasks:

- Copying a version
- Deleting a version
- Changing the defaults

Copying a Version

Copy an existing version to quickly and easily create a new version based on the original. When you copy a version, you can specify another name and modify the output parameters, leaving the original version in tact.

When you copy an existing version, you can change the functionality by pointing to another version.

Note: When you change the model to which a duplicate version points, the select keys and routing functions from the original are no longer used. Instead, the monitor uses the select keys and routing functions that are attached to the model version. To avoid confusion, delete the select keys from the duplicate version.

If you change a duplicate version so that it doesn't point to any model, then you must select burst areas, preload select keys, and attach routing functions.

▶ To copy a version

On Maintain EBB Versions

1. Enter a 7 in the option column for the version you want to copy.
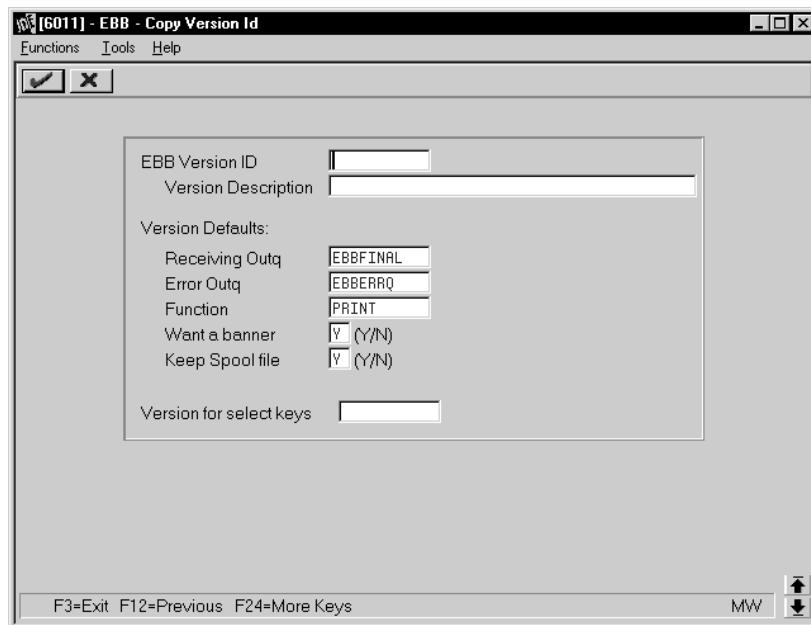
2. Complete the following fields:
   - EBB Version ID
   - Version Description
   - Receiving Outq
   - Error Outq
   - Function
   - Want a banner
   - Keep Spool file
   - Version for select keys

If the version name you enter does not exist, an error appears. Enter the correct model version name.

Deleting a Version

If you have set up a version in error or it is no longer in use, you can delete it. Be sure that if you delete a model version, no duplicates exist that use it.

▶ **To delete a version**

On Maintain EBB Versions

Enter a 9 in the option column for the version you want to delete.

The Maintain EBB Versions form is refreshed and the deleted version no longer appears.

Changing the Defaults

You can modify the version output and model version parameters for each version. Accomplish this on the Version Output Parameters form.

▶ **To change the defaults**

On Maintain EBB Versions

1. On Maintain EBB Versions, enter 3 (Mods) next to the version ID.

```
┌──────────────────────────────────────────────────────────────────────┐
│ ▓▓ 6009   Version Output Parameters                      _ □ ✕        │
│ Functions   Tools   Help                                               │
│ ┌─────┐ ┌─────┐                                                       │
│ │  ✔  │ │  ✕  │                                                       │
│ └─────┘ └─────┘                                                       │
│                                                                        │
│   Version ID            DEMO2                                          │
│   Description           │EBB DEMO VERSION 2│                          │
│   Default Outque        │EBBFINAL │                                   │
│   Error Outque          │EBBERRQ  │                                   │
│   Default Functions      PRINT                                        │
│   Default Banner        │Y│ Keep Spool File          │Y│             │
│   Version for Select Keys │DEMO2   │                                 │
│                                                                        │
│                                                                   ┌─┐  │
│ ┌──────────────────────────────────────────────────────────┐    │▲│  │
│ │ F3=Exit   Enter=Update                                     │    └─┘  │
│ └──────────────────────────────────────────────────────────┘    │▼│  │
└──────────────────────────────────────────────────────────────────────┘
```
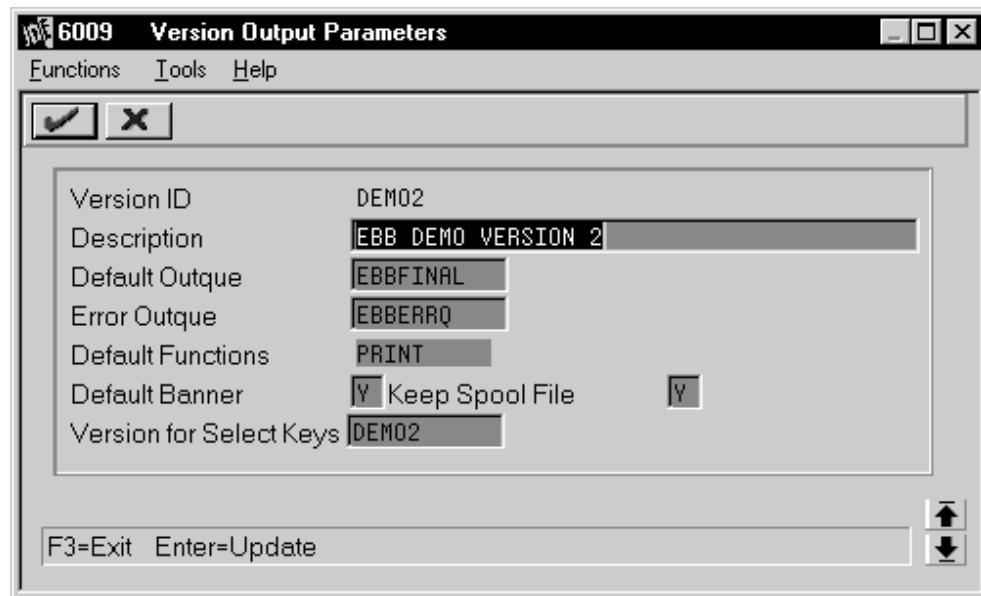
2. On Version Output Parameters, complete the following fields:

   - Description
   - Default Outque
   - Error Outque
   - Default Banner
   - Keep spool file
   - Version for Select keys

   If you need to verify the defaults only, press F3 to exit the window. Otherwise, make any required changes and press Enter.

   Note: Default Banner is overridden at the individual print function level. If you do not want the banner page to print, change Print Banner Page for each routing function to N.

Use a Model Version

Using a Model Version

A Model Version is an EBB Version to which other versions refer for select keys and routing functions, but which contain different report criteria. By using a model version, you only need to make changes for select keys and routing functions in one place. Other versions refer to the model by naming the model on the EBB Version Information form.

To use a model version, complete the following tasks:

- Setting up a model version
- Creating a new version using a model

Setting up a Model Version

A model version is a working version. Set up a model version just as you would any working version. After you select reports, define select keys, and attach routing functions, you can use the model version to create subsequent version or point existing versions to the model.

Creating a New Version Using a Model

▶ **To create a new version using a model**

On Maintain EBB Versions

1. To add a version, press F6 .
2. Complete the following fields:
   - EBB Version ID
   - Version Description
   - Receiving Outq
   - Error Outq
   - Function
   - Want a banner

- Keep spool file
- Version for Select keys

Reports Selection

About EBB Reports Selection

Use the EBB Reports Selection program to specify and sequence reports for a version.

You can specify one or more reports that run for a version. You can select any spool file report, including reports that have been created using:

- DREAM Writer
- World Writer
- FASTR

To work with EBB Reports Selections, perform the following tasks:

❏ Access the EBB Reports Selections application

❏ Add a spool file report

❏ Sequence reports

Access EBB Reports Selection

Accessing EBB Reports Selection

You can access EBB Reports Selection for any EBB version from the Maintain EBB Version form.

▶ To access EBB Reports Selection

On the Electronic Burst and Bind menu

1. Choose Maintain EBB Versions.

2. On Maintain EBB Versions, enter a 1 next to the appropriate EBB version.

```
[6012] - EBB Reports Selection                                    _ □ ×
Functions   Options   Tools   Help

 ✔  ✖

     EBB Version          DEMO1     EBB DEMO VERSION


O Change Numb TY Form/Group Name/Vers            Description
P Seq
        001  S  DEMO_RPT1  EBB_RPT1  SPOOL













                                                               ⬆
Opt: 1=Burst Criteria  2=Sub Key Maint  9=Delete   F3=Exit  F8=Add Report    MW  ⬇
```

Options

You can choose the following options on the EBB Reports Selection form:

1	Displays the Burst Selection Setup popup screen for defining the burst area on a report.
2	Displays the Substitute Key Maintenance popup screen for working with substitute select keys.
9	Deletes the report from the EBB version.

Function Keys

Use the Function keys to perform the following tasks
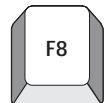
F8   Add a reports to an EBB version.

Add a Report to a Version

Adding a Report to a Version

After you create version, you must add one or more reports that will run in the version. You can add J.D. Edwards reports, such as DREAM Writer, World Writer, and FASTR, and other spool file reports.

An EBB version that contains a single report is a burst only version. An EBB version that contains multiple reports must be burst and then bound.

You can also use EBB Reports Selection for DREAM Writer reports rather than Data Description Specifications.

▶ **To add a report**

On EBB Reports Selection

1. Press F8.
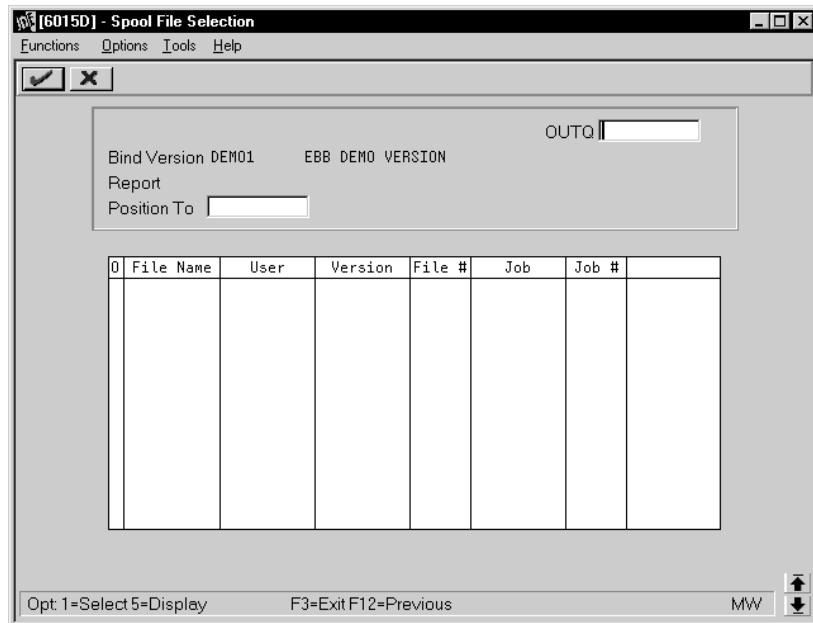
2. On the Spool File Selection form, enter the output queue name in which the reports reside.

3. Enter 1 in the option column to select a report. The notation, Selected, indicates the report is included in the EBB version.

```
┌─────────────────────────────────────────────────────────────────────┐
│ ᴺᵂ[6015D] - Spool File Selection                              _ □ ✕  │
│ Functions   Options   Tools   Help                                    │
│ ┌───┐┌───┐                                                            │
│ │ ✔ ││ ✕ │                                                            │
│ └───┘└───┘                                                            │
│                                                                       │
│                                              OUTQ │EBBSTART│           │
│    Bind Version DEMO2      EBB DEMO VERSION 2                          │
│    Report                                                             │
│    Position To  [          ]                                          │
│                                                                       │
│   ┌─┬──────────┬────────┬─────────┬───────┬─────────┬───────┬─────┐  │
│   │O│File Name │  User  │ Version │File # │   Job   │ Job # │     │  │
│   │ │DEMO_RPT1 │SB495744│DEMO1    │0001   │EBB_RPT1 │928285 │     │  │
│   │ │DEMO_RPT2 │SB495744│DEMO2    │0001   │EBB_RPT2 │928286 │     │  │
│   │ │DEMO_RPT3 │SB495744│DEMO2    │0001   │EBB_RPT3 │928287 │     │  │
│   │ │          │        │         │       │         │       │     │  │
│   │ │          │        │         │       │         │       │     │  │
│   │ │          │        │         │       │         │       │     │  │
│   └─┴──────────┴────────┴─────────┴───────┴─────────┴───────┴─────┘  │
│ Opt: 1=Select 5=Display       F3=Exit F12=Previous            MW      │
└─────────────────────────────────────────────────────────────────────┘
```
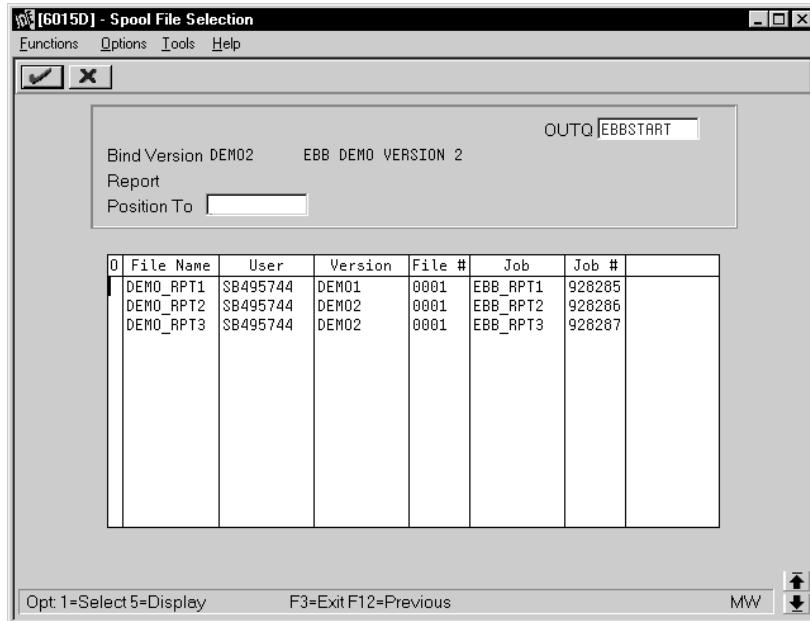
When adding multiple reports to a version, you can control the sequence in which the reports process by pressing enter each time you select a report. If the sequence is unimportant, enter 1 next to all reports you want to select and then press enter.

Note: Place the widest report first in the sequence of reports. This is because EBB truncates data based on the width of the initial report in the version.

Also, when you include multiple reports in a version, select reports that run in the same frequency. This is because a version runs only when all reports are present.

4. To return to the EBB Reports Selection form, press F3. The selected reports appear. You are ready to set up the burst criteria on the reports.

What You Should Know About

% Menus   % menus produce reports with identical spool file names. Because EBB requires that spool file names be unique, you must use printer overrides on the individual reports to specify a unique spool file name.

Report Limitations

You can include up to 999 reports in an EBB version.

The report form can be up to 100 lines long and 198 character wide.

Each report within a version must have a unique name to ensure that EBB processes the reports correctly.

Reports you select for burst areas

EBB only display the first page when you identify the burst area. Avoid selecting a report that includes a banner page or contains print instructions on the first page.

Sequence Reports

Sequencing Reports

If more than one report is selected for an EBB version ID, each report is assigned a sequence number as it is selected. This is the order in which the bound reports will appear in the output file. Sequence reports when you want to change the order in which reports are processed within a version. You must change the sequence on the EBB Reports Selection form.

You cannot use sequence numbers that are already assigned. For example, suppose you have two reports number 001 and 002 and you want to switch the sequence. You must change 001 to 003.

▶ **To sequence reports**

On EBB Reports Selection Selection

```
[6012] - EBB Reports Selection                                    _ □ ×
Functions   Options  Tools  Help

 ✔  ✘

     EBB Version          DEMO1      EBB DEMO VERSION


 O Change Numb TY Form/Group Name/Vers              Description
 P Seq
        001  S  DEMO_RPT1  EBB_RPT1   SPOOL
        002  S  DEMO_RPT2  EBB_RPT2   SPOOL
        003  S  DEMO_RPT3  EBB_RPT3   SPOOL









 Opt: 1=Burst Criteria  2=Sub Key Maint  9=Delete  F3=Exit  F8=Add Report     MW
```

1.   Enter the new number in the Change Sequence field.

```
[6012] - EBB Reports Selection                              _ □ ×
Functions   Options   Tools   Help

  ✔   ✗


    EBB Version          DEMO1      EBB DEMO VERSION


 O Change Numb TY Form/Group Name/Vers            Description
 P Seq
   005   001  S  DEMO_RPT1  EBB_RPT1  SPOOL
   006   002  S  DEMO_RPT2  EBB_RPT2  SPOOL
   004   003  S  DEMO_RPT3  EBB_RPT3  SPOOL










 Opt: 1=Burst Criteria 2=Sub Key Maint 9=Delete  F3=Exit F8=Add Report    MW
```
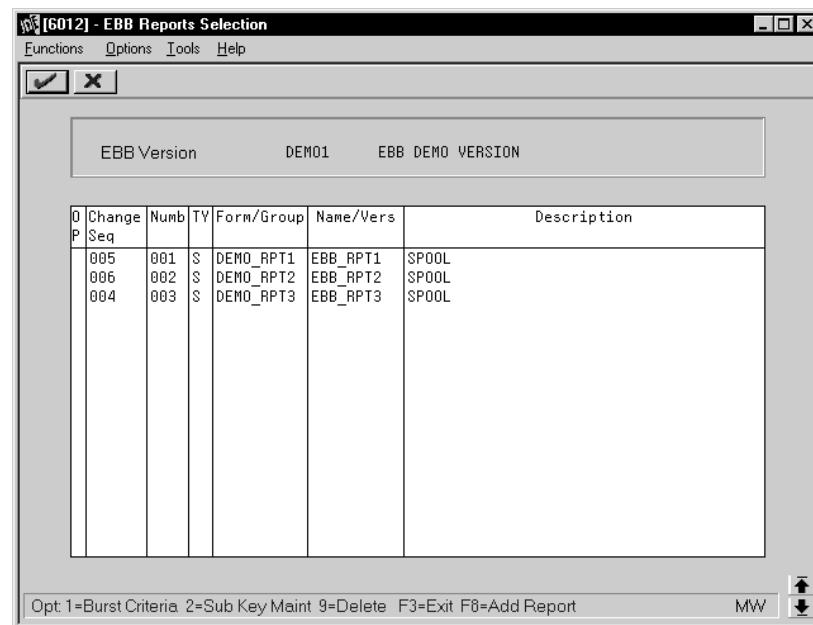
2.   To return to the Maintain EBB Versions form, press F3.

Note: If you have reports which have different formats, such landscape and portrait, or reports of different widths or lengths, place the largest report first in the sequence. When EBB creates the Bind spool file, the attributes of the first report determine the attributes for all other reports in the bind.

Burst and Bind Criteria

About Burst and Bind Criteria

An advatange of EBB is that you can extract only portions of one or more reports to merge into an output spool file for distribution. This extraction is accomplished through burst criteria. After you have created a version that includes one or more reports, you must set up the burst and bind criteria.

To work with Burst and Bind criteria, complete the following tasks:

❏ Set up burst areas using Data Description Specifications

❏ Set up burst areas using spool files

❏ Work with burst areas

❏ Print a version information report

What is Burst Criteria?

Burst criteria is the area or portion of data in a spool report. When you define burst criteria, you identify the columns and rows within the report. You are not selecting data.

When EBB processes a report, the report bursts when data in the burst area does not match the burst area on the previous page of the report. For example, suppose the header text, 001 - A Model Accounting Company appears in a specific area on a report. In the same area on another page, the text in that same area reads, 007 - A Model Payroll Company. If you designate the burst area, 001 - A Model Account Company, EBB performs the burst function when the header text changes to 007 - A Model Payroll Company.

You can use EBB for routing only by selecting burst criteria that is the same on every page, such as the header. If the burst area never changes, EBB will not burst the report. The output is the same as the input. You can add multiple routing functions to the version to distribute the reports.

What is Bind Criteria?

When you select multiple reports for an EBB version, and the data in the burst area exactly matches the data in two or more reports, the reports are burst and then merged into one spool file. If you select more than one area on a report and want to bind with another report, binding occurs only if the data in all selected areas match exactly.

Set Up Burst Areas Using DDS

DDS Considerations

A data description specification (DDS) print file contains the size and position of each line and field within a line. On the AS/400, all database, video, and report communication files can be defined through DDS. J.D. Edwards software uses DDS for all reports.

Some reports, including DREAM Writers, might have optional header areas. When a report has an optional header, the burst criteria on the DDS print file can move relative to the spool file from the same report. If this problem occurs when EBB runs, you must set up the burst area using spool files, rather than use a DDS print file.

The DDS print file is especially useful for bursting large reports. Before you use the DDS print file, you might need to temporarily change the values in the data selection for that specific version. This creates a smaller spool file. After you run the modified DREAM Writer version, be sure to change the data selection to the original values before running the report again.

Note: The DDS print file source code may not be available for the following reasons:

- Due to the disk space required by the source code, many installations exclude DDS source from the system.
- Not all reports support a DDS print file.

When a print file DDS is unavailable, use a spool file to set up the burst area.

See Also

- *Setting Up Burst Areas Using Spool Files*

Setting Up Burst Areas Using DDS

The following procedure uses the DDS print file. You can set up most DREAM Writer reports with DDS print file.

Before You Begin

❑ Read this section thoroughly before you use a DDS print file.

▶ **To set up burst areas using DDS**

On EBB Reports Selection

1. Enter a 1 (Burst Criteria) in the option column of the reports for which you want to set up a burst area.
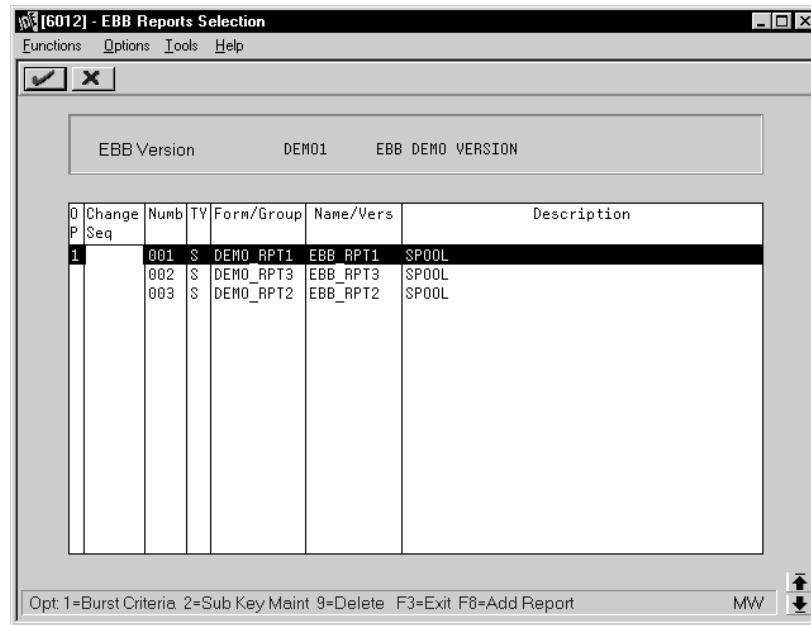
2. On the Burst Selection Setup popup, enter a 1 (DDS Print File). A J.D. Edwards Dream Writer Burst Criteria form displays for confirmation.
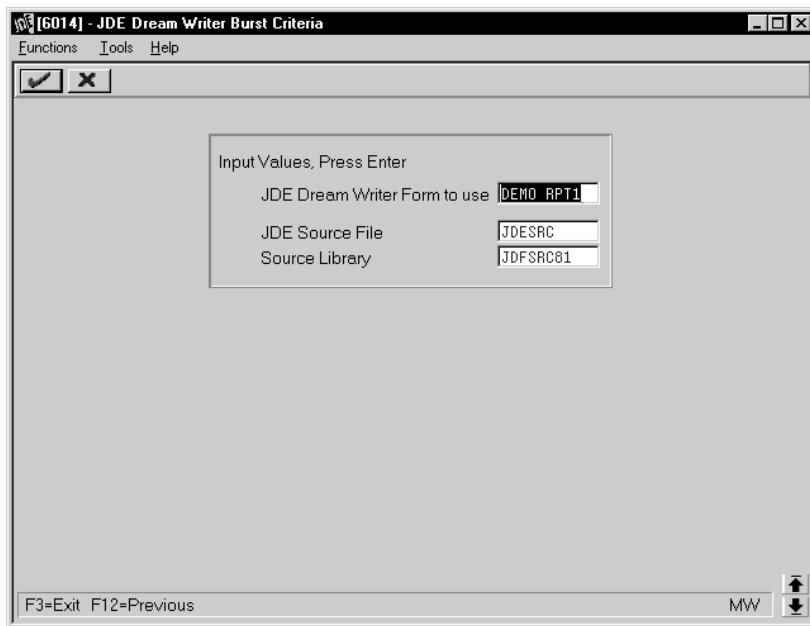
3. Change or accept the defaults for the following fields:

    - JDE Dream Writer Form to Use

    - JDE Source File

    - Source Library

   The first page of the report appears.

4. Press F7 to mark the beginning of the select key area. All data following the mark is highlighted.

5. Move the cursor immediately after the select key area (one character after the area you want to select). Mark each row with select key areas individually. The total of all selections must not exceed 90 characters. Press F8 to mark the end of the select key area. Only the select key is highlighted.

   Note: The total key length appears in the top left, just above the ruler.

Note: Control characters that mark the beginning and ending in burst areas overlay data characters. For example, if you place the cursor on a data character and press F7 or F8, the character will appear to be erased. This is normal and does not affect the data on the printed report.

Set Up Burst Areas Using Spool Files

This chapter contains instructions to designate the area of the report you want to burst. When you burst a FASTR or World Writer report, you must complete additional steps.

To set up burst areas, complete the following:

- Setting up burst areas using spool files
- Setting up FASTR and World Writer reports for burst criteria

Setting Up Burst Areas Using Spool Files

Use the following procedure for J.D. Edwards spool file reports, such as FASTR and World Writer, and other spool files. You can set up DREAM Writer reports, particularly when the source is unavailable, using this procedure.

See Also

- *Working with Burst Areas* for information on verifying, changing and unmarking burst areas.

▶   **To set up the burst area using a spooled file**

On EBB Reports Selection

1. Enter a 1 in the option column of the reports for which you want to set up a burst area. A Burst Selection Setup popup window appears.
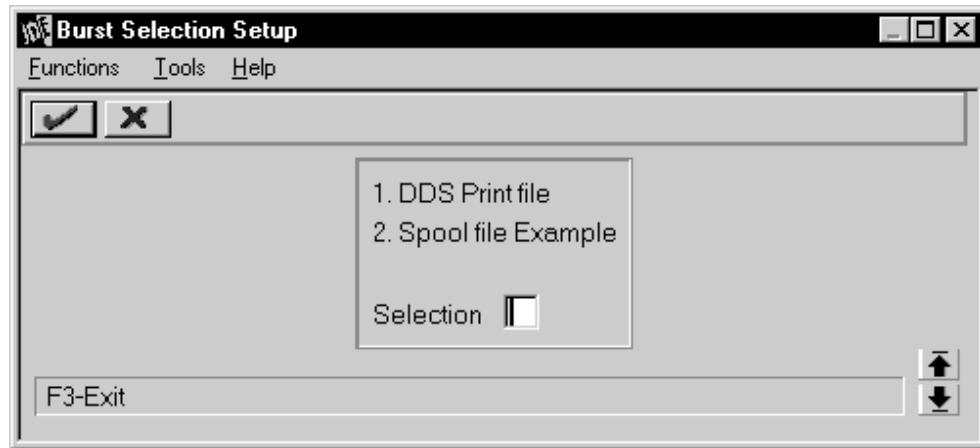
2.   On the Burst Selection popup window, select Spool File Example.
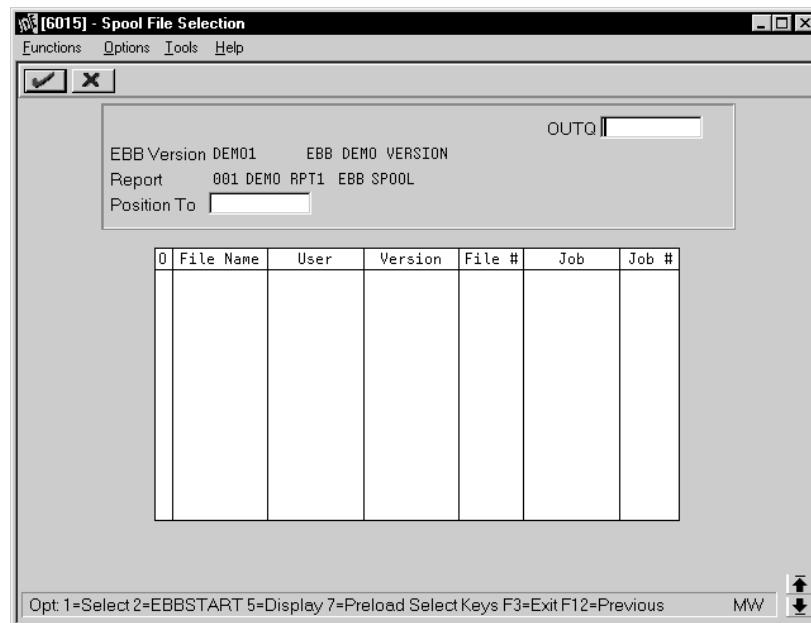
3.   On the Spool File Selection form, enter the output queue name in which
     the spool file resides. (If the spool file is not in that output queue, a
     message appears. Enter the correct output queue name.)

4.   Enter 1 next to the spool file. The Select Key Maintenance form appears
     the first page of the spool file. Now you are ready to define the burst area.
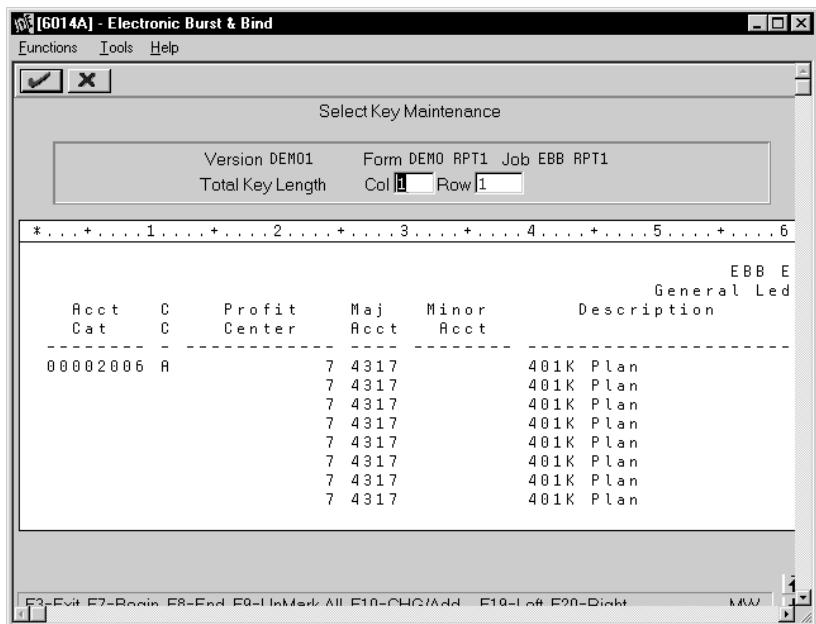
5. Move the mouse pointer to the space in front of the data area on which you want to burst and press F7. All data that follows is highlighted.

6. Move the mouse pointer to the space after the data area and press F8. Only the data area for bursting is highlighted.

Note: You must mark each row with data areas individually. The total of all data areas must not exceed 90 characters. The routing functions (discussed in another section) would be performed automatically by EBB.

The burst area must be located no lower than 50 within the report. *It must be located in the same place on every page.* In other words, the data area on which you are bursting cannot float to different lines of the report.

The total key length appears on the form.
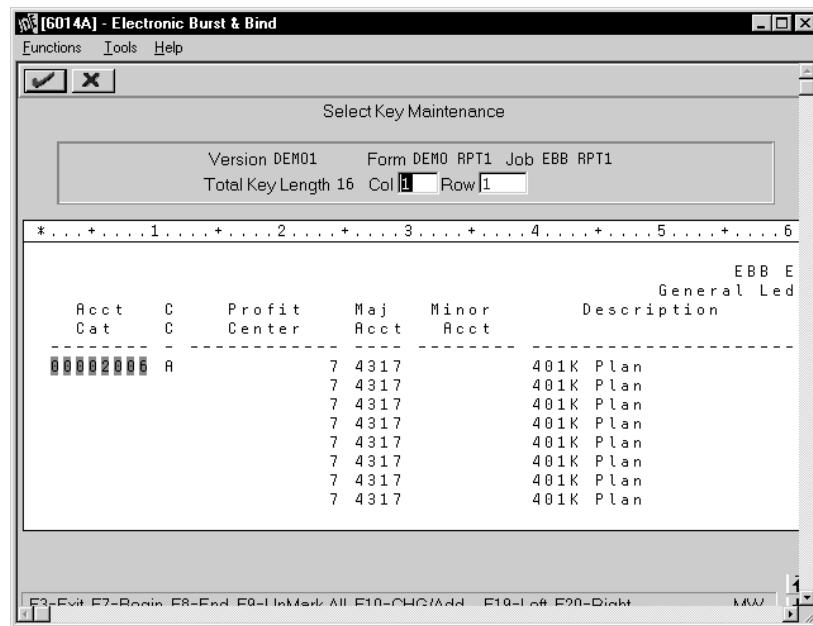
Setting Up FASTR and World Writer Reports for Burst Criteria

Use these instructions after you have completed step 8 of *Setting Up Burst Areas Using Spool Files*. Access the FASTR or World Writer reports for which you are setting up burst criteria.

▶   **To set up FASTR and World Writer reports for burst criteria**

1. Select the version you created.

2. Enter option 6 for Printer File overrides.

3. On the Printer File Overrides form, change the Print Queue option to EBBSTART.

4. Ensure that Hold is set to N.

5. On additional parameters, change the Print Cover Page and Print Instructions options to N.

This completes the setup for FASTR and World Writer. When the particular report runs, it is ready to be processed by EBB.

Work with Burst Areas

Working with Burst Areas

After burst areas are defined, you might want to perform any of the following:

- Change the burst area
- Unmark all burst areas
- Unmark a single burst area

▶ To change the burst area

On EBB Reports Selection

1. Enter a 1 in the option column of the reports for which you want to change a burst area.

2. On Burst Selection, select Spool File Example.

3. On Spool File Selection, enter the output queue name in which the spool file resides. If the spool file is not in that output queue, a message appears. Enter the correct output queue name.

4. Enter 1 next to the spool file. The first page of the report appears on Select Key Maintenance.
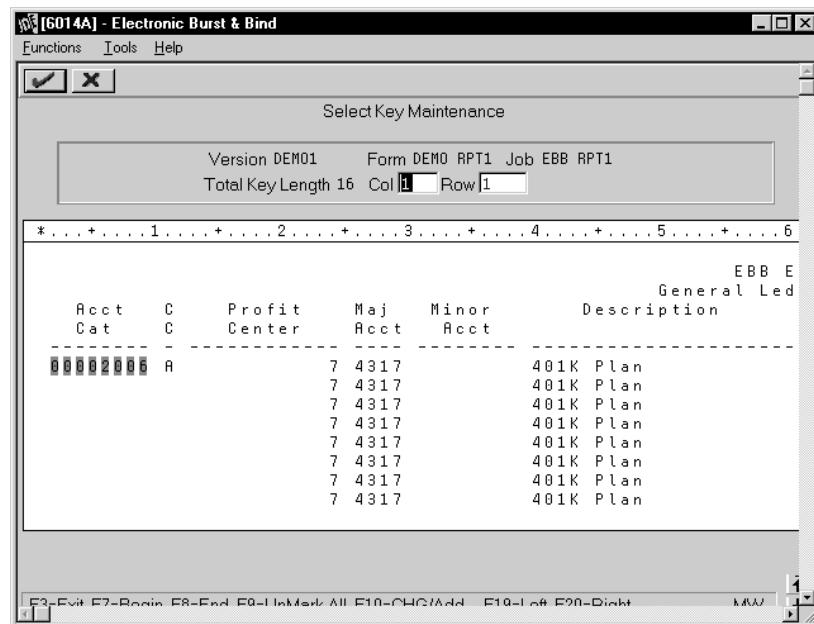
5. To change the burst area, press F10.
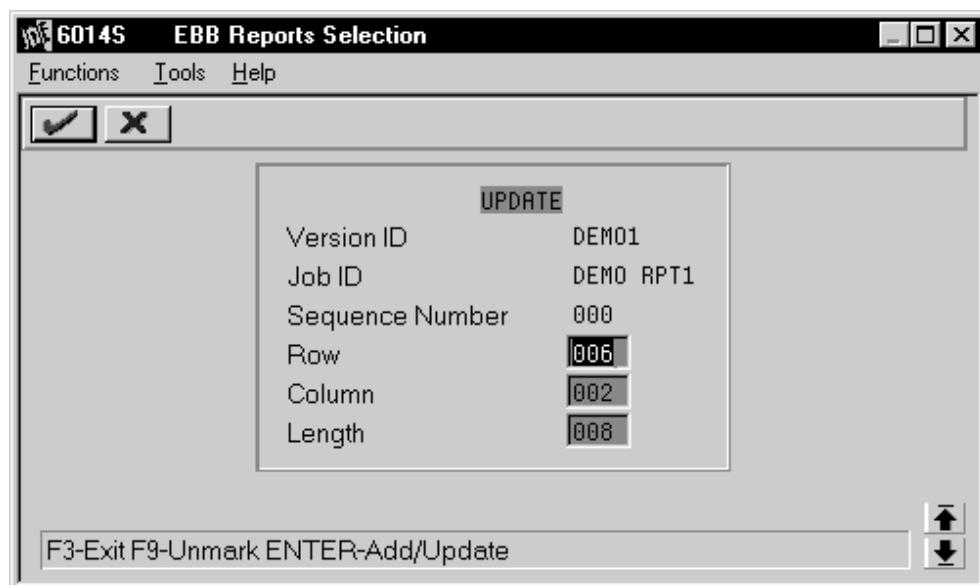
EBB Reports Selection appears where you can change the row position, column position, and/or field length. You can change an existing burst area or add one from this window.

6. Scroll to locate the burst area you want to modify or a blank area.

Note: The mode indicators, UPDATE or ADD, appear at the top of the window area. If there are numerous select key areas, scroll through the

window to the ADD menu after the last select key area appears. If there are no burst areas, ADD appears at the top of the window.

7. Change or add burst criteria and press Enter.

8. On EBB Select Key Maintenance, press F3 until Electronic Burst and Bind appears.

▶ To unmark all burst areas

On EBB Select Key Maintenance

1. Press F9.

    Burst areas are no longer highlighted on EBB Select Key Maintenance.

2. Set up new burst criteria or press F3 to return to Spool File Selection.

▶ To unmark a single burst area

On EBB Select Key Maintenance

1. To unmark a single burst area, press F10. EBB Reports Selection appears.

2. Scroll to locate the burst area you want to unmark and press F9.

    EBB Select Key Maintenance reflects the modified burst areas.

3. To return to Spool File Selection, press F3.

Functions

Use the Function keys to perform the following tasks
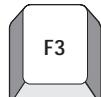
F3   Return to the Spool File Selection form
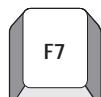
F7   Mark the beginning of the burst area
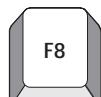
F8   Mark the end of the burst area

F9   Remove the beginning and ending marks of the burst area
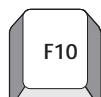
F10   Verify or change the burst area

F19   View left side of display
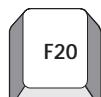
F20   View right side of display

Print a Version Information Report

Printing a Version Information Report

Print a version information report to view the defaults and burst criteria for each spool file. The functions and parameters defined for each entity appear.

▶ **To print a version information report**

On Electronic Burst and Bind

Choose Version Information Report. The following message appears:

Version Information Report submitted to batch

Select Keys

About Select Keys

A select key is the data found in the burst area when EBB scans the original spool file. It is the text contained in the areas you selected to use as burst or bind criteria. When multiple burst areas are selected on a report, the combination of the areas make up one select key. Each time the data changes in any area, a select key is created unless it exists already. A select key exists for each unique set of data. For example, if the burst criteria is the company number and there are six companies, there will be six select keys.

The select key is linked to the version ID. Burst areas can be the same on any number of reports, in any number of versions. EBB will not create duplicate select keys for a version, but allows duplicates in the environment. The system uses an entity number (displayed on some screens), which is assigned internally to a select key.

Complete the following tasks:

❏ Load select keys

❏ Maintain select keys

Load Select Keys

When select keys are loaded, EBB scans the original spooled report file and stores the data contained in the select key areas. You can load select keys for reports individually, or load select keys for multiple reports at the same time.

To load select keys, the spooled report file to be burst must exist.

Complete the following:

- Loading select keys for a single spool file
- Loading select keys for multiple spool files

What You Should Know About

Displaying select keys   After you load the select keys, you can display them on Maintain EBB Versions by entering 2 next to the version ID.

Loading Select Keys

Load select keys for single report when a version contains only one report or when you add a report to an existing version for which select keys have already been loaded.

See Also

- *Loading Select Keys for Multiple Spooled Files*

▶   **To load select keys**

On Maintain EBB Versions

1. Enter 1 next to the version ID.
2. On EBB Reports Selection, enter 1 next to the report.
3. On Burst Selection Setup, enter 2 - Spool File Example.

4. On Spool File Selection, enter the output queue name in which the spool file resides.

5. Enter 7 in the option column for which you want to load select keys. Loading can take several minutes.

   When loading is complete, the following message appears:

   > Pre Load Select Keys Has Completed, And Found xxx New Select Keys.

6. To return to EBB Reports Selection, press F3. If you have multiple spool files, select the next spool file and repeat this process.

7. Press F3 until Maintain EBB Versions appears.

Loading Select Keys for Multiple Spool Files

When your EBB version bursts data from multiple reports, you might want to load the select keys for the reports at the same time, rather than loading the select keys for spool files individually.

▶ Load multiple spool files

On Maintain EBB Versions

1. Enter 5 in the option column of the version ID.

2. On Spool File Selection, enter the output queue in which the spool file(s) reside. Notice that all spool files in the output queue for that version ID appear, rather than individually.

3. Enter 7 next to the spool file and press Enter. When loading is complete, the following message appears:

   > *Pre Load Select Keys Completed, And Found xxx New Select Keys.*

   Note: To load multiple files, enter 7 in the option column for each. Then you must press Enter after each confirmation message to load the next file. The option code 7 will disappear after loading is completed for all files.

4. To return to Maintain EBB Versions, press F3.

Add Select Keys

Adding Select Keys

Use the Maintain EBB Versions application to add a new select key. After you add the select key, also use the Maintain EBB Versions to:

- View and change functions that are assigned to a select key
- Access Name Search for DREAM Writer reports
- Globally add or change a routing function
- Enter data for a burst area
- Delete select keys and attached functions

▶ **To add a select key**

On Maintain EBB Versions

1. Enter 2 in the option column for the version with which you want to work. Loaded select keys appear on Select Key Maintenance.
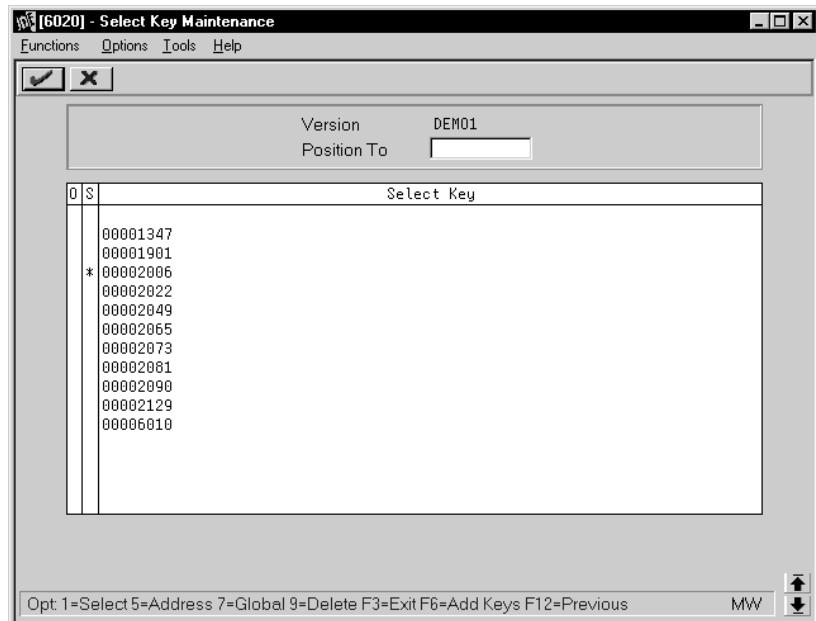
2. To add a new select key, press F6 .

3. Enter the new select key exactly as you want it to appear on the report.

```
┌─────────────────────────────────────────────────────────────────┐
│ ▓▓[6020B] - EBB Select Key Maintenance              [_][□][X]     │
│ Functions   Tools   Help                                          │
├─────────────────────────────────────────────────────────────────┤
│ ┌──┐ ┌──┐                                                         │
│ │ ✔│ │ X│                                                         │
│ └──┘ └──┘                                                         │
│                                                                   │
│   ┌───────────────────────────────────────────────────────────┐  │
│   │                      Version DEM01                         │  │
│   │                                                            │  │
│   │    Select Key│                                          │  │  │
│   │              │                              │              │  │
│   │                                                            │  │
│   └───────────────────────────────────────────────────────────┘  │
│                                                                   │
│                                                             ┌─┐   │
│                                                             │▲│   │
│ ENTER=Validate   F3=Cancel                           MW     │▼│   │
└─────────────────────────────────────────────────────────────────┘
```
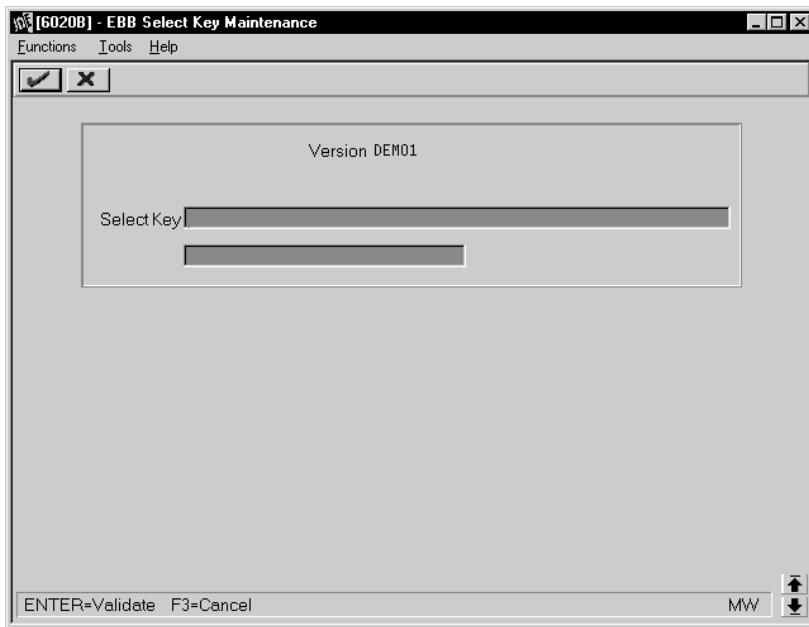
The Select Key Maintenance form appears, with the new select key added to the end of the displayed list.

Options

On the Select Key Maintenance form, choose the following options:

1	View functions that are assigned to the select key. By default, the first function is Print. Until you add or change a routing function, the default Print function is not visible and appears as a blank.
5	Display a Name Search window for DREAM Writer reports. This option lets you verify the address and the A/R, A/P, and Category Codes associated with the select key, if the select key relates to an Address Book record.
7	Globally add or change a routing function.
6	Enter new data for a burst area. You can also add data by preloading the select key, but this option can save you time. Enter the new select key exactly as the data appears on the report in the burst area.
9	Delete select keys and attached functions. To delete one or more select keys, place a 9 in the option column next to the key(s) you want to delete. Keep in mind that routing functions that have been assigned to the deleted select keys will also be deleted.

Routing Functions

About Routing Functions

After you create a version, select spool report files, specify the burst area within file, and preload the select keys, you must assign routing functions to control the final output. Routing functions are included with your EBB installation. You can modify these routing functions for your specific needs or create new routing functions.

To work with routing functions, perform the following tasks:

- ❏ Create a routing function
- ❏ Delete a routing function
- ❏ Assign routing functions to select keys
- ❏ View or change select key parameters
- ❏ Print the entity/functions report

What is a Routing Function?

A routing function is a print or output instruction, but can be any string you type on the command line. You create and assign routing functions to select keys individually or globally. Until you assign a routing function to a select key, the routing function has no functionality.

Demo Routing Functions

Three demo routing functions are included in this version of EBB. For a brief description of these routing functions, refer to Appendix B. During installation the names of the demo functions are compared to existing functions. If the name of an existing routing function matches that of a new function, the former routing function is not replaced. You may use or modify the demo routing functions.

The PRINT Routing Function

The default routing function, PRINT, is assumed for each Select Key. This function must always be the first function. You can change the out queue and number of copies and assign additional routing functions.

See Also

- *Appendix B - Routing Functions*.
- *Creating a Routing Function* and *Assigning the Print Routing Function* in this section.

Command Line String Requirements

Routing functions are limited to ten parameters. Some of the command line (CL) strings include more than one variable. There is no limitation on the number of CL variables, only the parameters. Four lines are provided for keying in the CL command.

Type the command string just as you enter it on the command line, with the following exceptions:

- The special character & is used to tell EBB where to insert a parameter. Parameters are inserted from left to right, starting with parameter 1.
- The special character % is used to identify the end of the CL command (% is not necessary on the PRINT function).
- Do not enter more than one blank space between one keyword/parameter combination and the next.
- The special character ? is used to denote blank spaces in commands which require a blank between two parameters. For example, the TOUSRID keyword in the SNDNETSPLF command requires that a blank between the user ID and the address.

Keywords

Many functions include parameters that use special keywords. Do not change these keywords, because they identify a spool file to the function.

EBB has five reserved keywords, which identify a spool file. They are:

*SPLNUM - Spool File Number

*SPLNAM - Spool File Name

*USER - User ID

*JOBNUM - Job Number

*JOBNAM - Job Name

Some or all of these parameters are often needed for any CL command which operates on spool files.

Some commands, such as the change spool file attribute - CHGSPLFA, do not work if the spool file to be changed is at a writing status. If you are routing burst or bound reports to an output queue that is linked to an active writer, some of the reports will not reflect any functions except for the first PRINT function. For subsequent functions to process, direct your PRINT function to an output queue that is not for printing. Then use the OUTQ parameter on the CHGSPLFA command to move the PRINT function to an out queue for printing.

Create a Routing Function

Creating a Routing Function

Use the Maintain EBB Functions application to create a routing function.

There are two methods for creating a routing function. You can create a routing function from scratch, or create a routing function that is based on an existing function.

You can name a routing function anything except for PRINT because it is reserved as the default routing function.

When you create a function, determine if you can use an existing function to create a new function. If not, then create a new one.

This chapter contains instructions for:

- Creating a routing function from another function
- Creating a new routing function

What You Should Know About

Parameters limit	The number of parameters for a function is limited to 10. Parameters include banner page, entity/routing ID, output queue, name, and number of copies.
Using & for parameter substitution	For parameter substitution, use a word or code rather than an & character. This is because the IBM command editor does not allow the & symbol. After the command is returned to Maintain Function Description, change the word or code to the & positional parameters.

Creating a Routing Function from Another Function

Before you create a routing function, determine if a similar one exists that you can modify. For example, you can create a PRINT1 function from the PRINT function for the purpose of routing output to another out queue. The command string is the same, but the out queue and name are different. If you create new

functions from an existing one, J.D. Edwards suggest that you give each a unique name, such PRINT2, PRINT3, and so on.

▶   **To create a routing function from another function**

On Electronic Burst and Bind

1. Choose Maintain EBB Functions.

```
[6025] - Maintain EBB Functions                           _ □ ×
Functions   Options   Tools   Help

✔  ✗

              Position To [          ]

O   Function              Description
P     Name
    CHGFORMTYP
1   PRINT
    SNDNETSPLF  Spool File Name




Option: 1=Select to Maintain  F6=Create New Function  F24=More Keys    MW
```
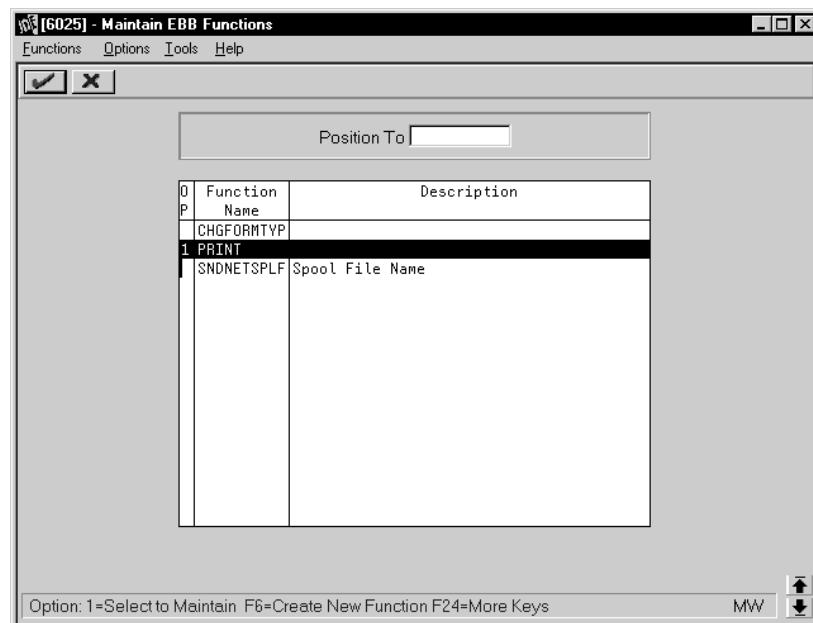
2. Enter a 1 in the option column of the business function on which you want to base a new function. EBB - Maintain Function Description appears.
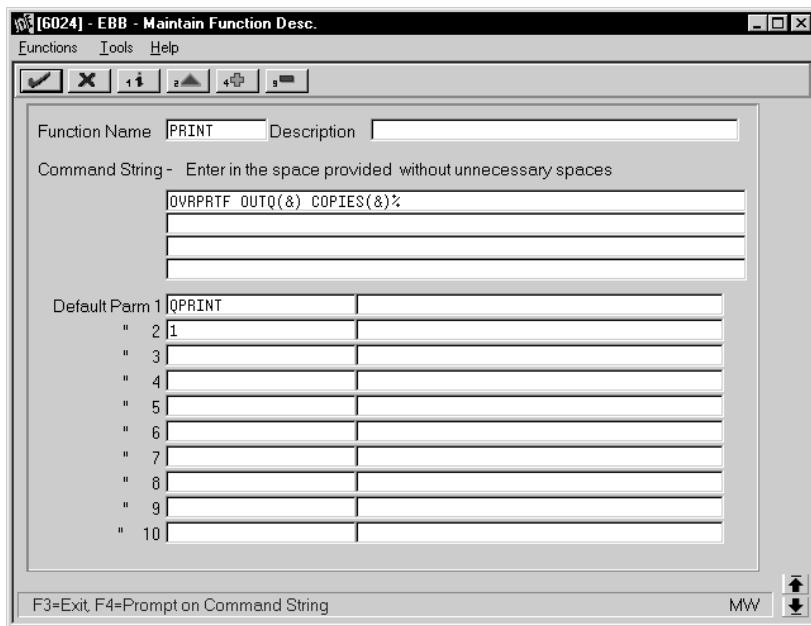
3. Change one or more of the following fields:

    • Name

    • Description

    • Command String

    • Parameters

    Note: For an IBM command, key in the command name and press F4 for normal command prompting.

4. Specify up to 10 parameters and press Enter. EBB Function Description fields are blank for defining additional functions.

5. To return to Maintain EBB Functions, press F3.

    The newly created function appears on Maintain EBB Functions.

Creating a New Routing Function

Create a new routing function when an existing one cannot be used.

▶   **To create a new routing function**

On Electronic Burst and Bind

1. Choose Maintain EBB Functions.

2. On Maintain EBB Functions, press F6. EBB - Maintain Function Description appears with blank fields

3. Complete the following fields:

    - Name

    - Description

    - Command String

    - parameters

    Note: For an IBM command, key in the command name and press F4 for normal command prompting.

4. Press Enter. The new function is saved and EBB - Maintain Function Description appears with blank fields. Continue adding functions or press F3 to return to Maintain EBB Functions.

Delete a Routing Function

Delete a routing function when it is no longer useful. You can delete a function so that it is no longer available or you can delete a function from one or more select keys.

This chapter describes two methods for deleting a routing function, depending on the situation.

- Deleting a routing function from EBB
- Deleting a routing function from select keys

Deleting a Routing Function in EBB

Delete a routing function if you are sure that it is no longer needed. After you delete the routing function, it cannot be recovered.

▶ To delete a routing function from EBB

On Electronic Burst and Bind

1. Choose Maintain EBB Functions.

2. On Maintain EBB Functions, enter 1 in the option column next to the routing function you want to delete. Remember, do not delete PRINT.

3. On EBB - Maintain Function Description, click Delete.
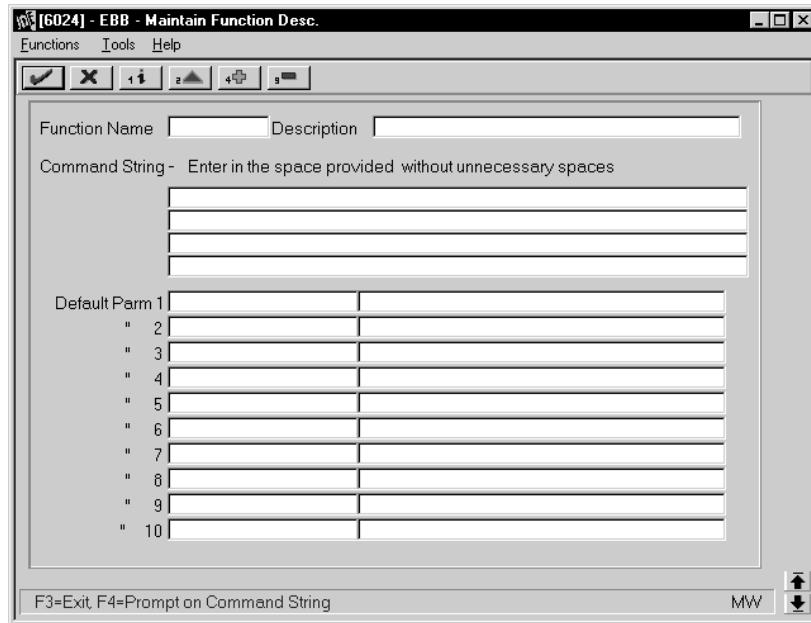
4. To return to Maintain EBB Functions, press F3. The routing function no longer appears in the list.

5. To return to Electronic Burst and Bind, press F3.

Deleting a Routing Function from Select Keys

This procedure does not delete the routing function itself. It only deletes the function from the specified select keys.

▶ **To delete a routing function from select keys**

On Electronic Burst and Bind

1. Choose Maintain EBB Versions.

2. On Maintain EBB Versions, enter 2 next to the version that will be affected. Select Key Maintenance appears.

3. Enter 7 in the option column of the select keys from which you want to delete a routing function.

    The functions that are attached to the first select key appear on Entity/Function Maintenance Global.

```
┌──────────────────────────────────────────────────────────────────────────┐
│ ▒▓ [6021A] - Entity/Function Maintenance                       _ □ ×      │
│ Functions  Options  Tools  Help                                            │
│ ┌────────┬───┐                                                             │
│ │   ✔    │ ✗ │                                                             │
│ └────────┴───┘                                                             │
│                                                                            │
│     Version          DEMO2      Entity Key     0000005511       GLOBAL     │
│     Select Key       A                                                     │
│     Position To    ┌──────────────┐                                        │
│                    └──────────────┘                                        │
│                                                                            │
│   ┌─┬──────────┬────┬──────────┬─────────┬─────────┬─────────┬─────────┐  │
│   │O│ Function │Seq#│  Parm 1  │ Parm 2  │ Parm 3  │ Parm 4  │ Parm 5  │  │
│   │ │ PRINT    │001 │ QPRINT   │1        │         │         │         │  │
│   │ │ XXX      │002 │FORMTYPE(X│         │         │         │         │  │
│   │ │          │    │          │         │         │         │         │  │
│   │ │          │    │          │         │         │         │         │  │
│   │ │          │    │          │         │         │         │         │  │
│   │ │          │    │          │         │         │         │         │  │
│   │ │          │    │          │         │         │         │    ↑    │  │
│   └─┴──────────┴────┴──────────┴─────────┴─────────┴─────────┴────┬────┘  │
│  Opt: 2=Edit Parms  9=Delete     F3=Exit  F6=Add Function     MW   ↓      │
└──────────────────────────────────────────────────────────────────────────┘
```
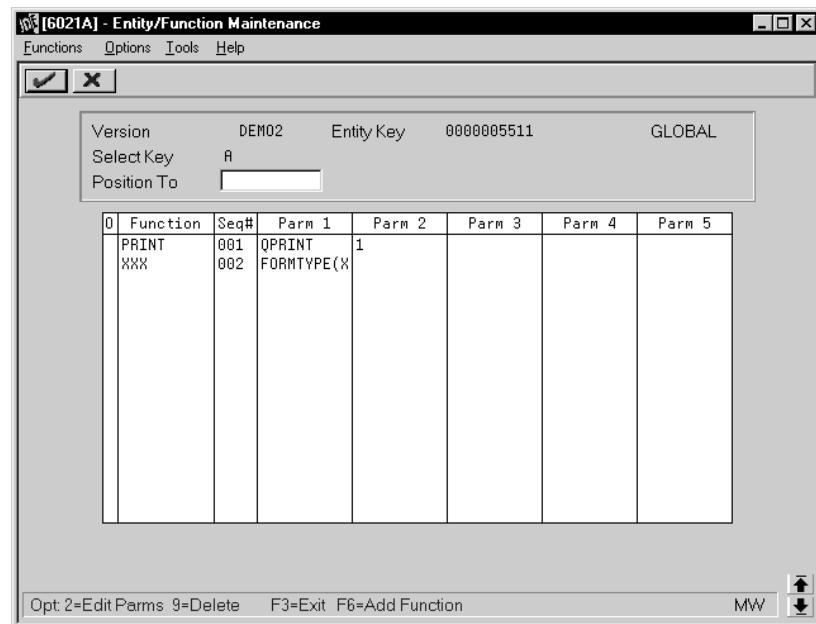
4. Enter 9 in the option column of the appropriate routing functions.

Assign Routing Functions to Select Keys

Assigning Routing Functions to Select Keys

After you create a routing function, you must assign the function to one or more select keys. Then when you run a version, EBB processes the command string logic of the function that is assigned to the select keys. Unless you assign a function to a select key, it has no functionality.

For any select key, you must always assign the PRINT routing function first. You cannot assign another routing function until PRINT is assigned to the select key.

Use the Maintain Versions option on Electronic Burst and Bind to assign routing functions. Assign a routing function to a single select key or multiple select keys. To assign a routing function, perform the following:

- Assigning the PRINT routing function
- Assigning a routing function to a single select key
- Assigning a routing function to multiple select keys

Before You Begin

❏ You must define the burst area of the spool report file and preload the select keys.

Assigning the PRINT Routing Function

The first time you assign a routing function to a select key, EBB checks for the assignment of the PRINT routing function. If PRINT has not been assigned to the select key, you must do so before assigning any other functions.

▶ **To assign the PRINT Routing Function**

On Maintain EBB Versions

1. Enter 2 in the option column of the applicable version. The select keys for the version appear on Select Key Maintenance.

```
[6020] - Select Key Maintenance                              _ □ ×
Functions  Options  Tools  Help

  ✔  ✗

                        Version       DEM01
                        Position To  [          ]

  O S                              Select Key

    * 00001347
    * 00001901
    * 00002006
      00002022
    * 00002049
      00002065
      00002073
      00002081
      00002090
      00002129
      00006010




                                                                    ▲
  Opt: 1=Select 5=Address 7=Global 9=Delete F3=Exit F6=Add Keys F12=Previous   MW  ▼
```
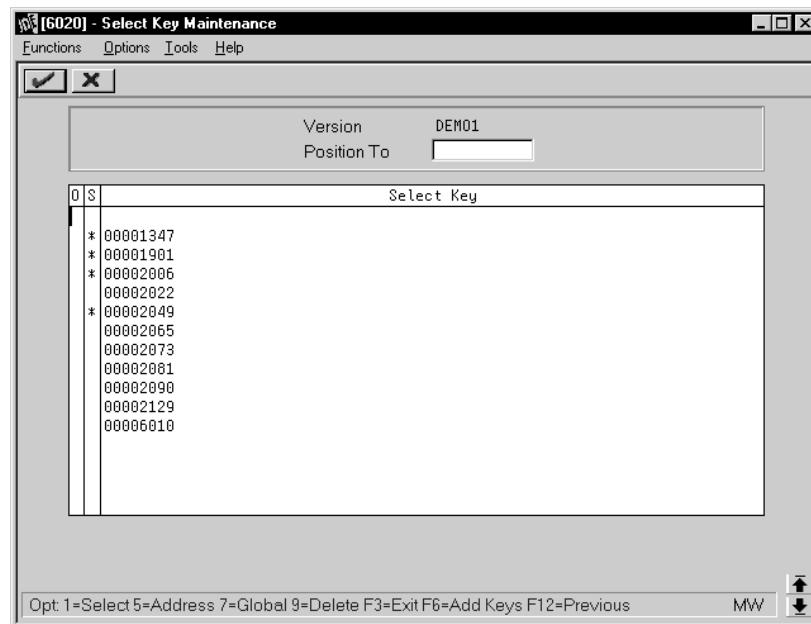
2. Review whether or not any function has been assigned to the select key to which you want to work. When a function is assigned, an asterisk (*) appears next to select key. If an asterisk appears, you do not need to continue with these instructions.

3. On Select Key Maintenance, enter 1 in the option column of the applicable select key.

```
[6021] - Entity/Function Maintenance                         _ □ ×
Functions  Options  Tools  Help

  ✔  ✗

          Version      DEM01      Entity Key    0000005453
          Select Key   00002022
          Position To  [          ]

      O   Function  Seq#  Parm 1   Parm 2   Parm 3   Parm 4   Parm 5




                                                                    ▲
  Opt: 2=Edit Parms  9=Delete     F3=Exit  F6=Add Function          MW  ▼
```
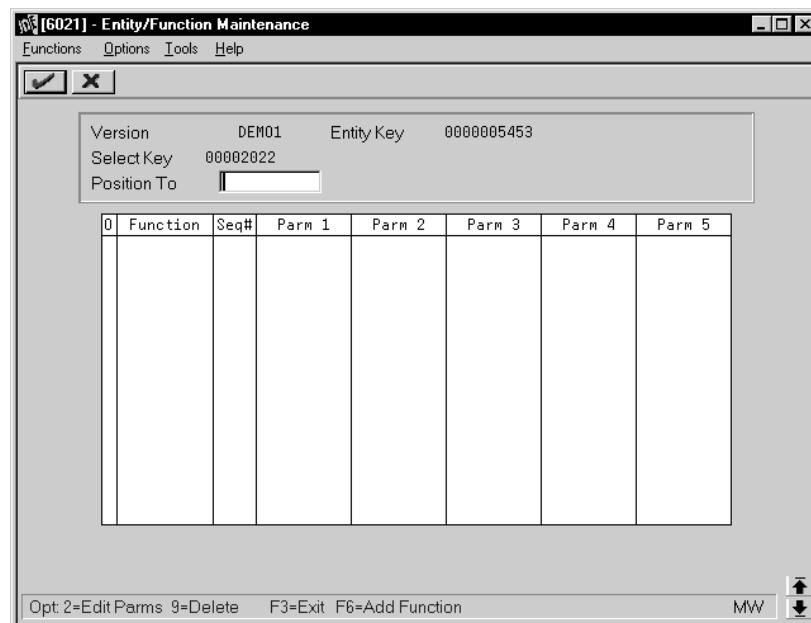
4. Press F6. The PRINT function parameters appear on Entity/Function Parms Maintenance.
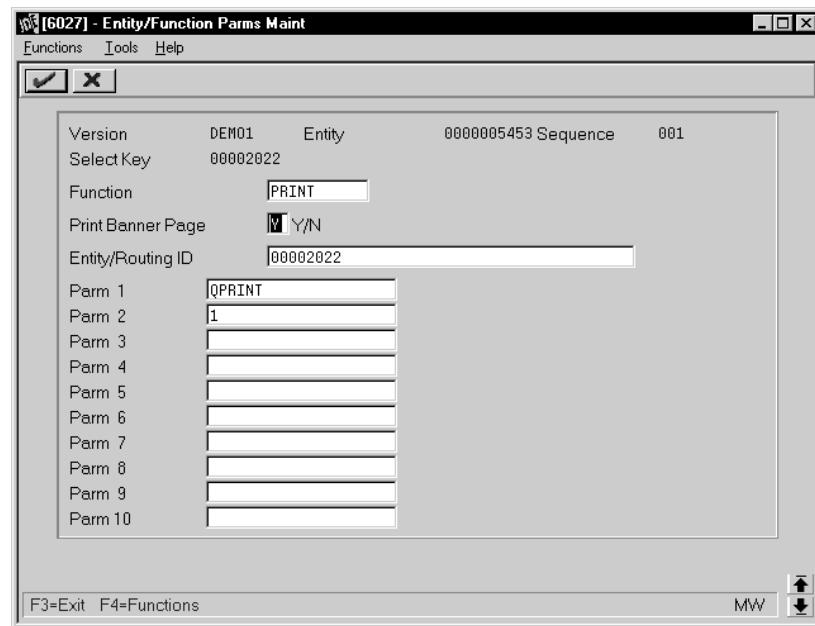
5. Press Enter, and then press F3. The newly assigned PRINT function appears on Entity/Function Maintenance. Now you can assign another routing function.
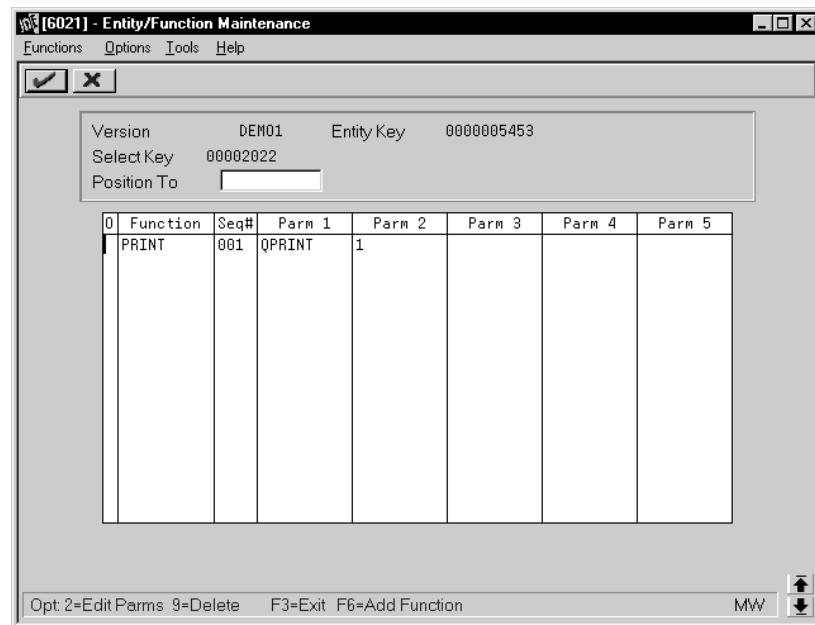
Assigning a Routing Function to a Single Select Key

To assign a routing function, determine the output queue to which you want a select key routed.

Before You Begin

- If the PRINT routing function is not assigned to the select key with which you want to work, you must assign it first.

▶ **To assign a routing function to a select key**

On Select Key Maintenance

1. Enter 1 in the option column of the applicable select key.

```
[6021] - Entity/Function Maintenance                              _ □ ×
Functions  Options  Tools  Help
 ✔  ✗

   Version          DEM01      Entity Key      0000005457
   Select Key    00001347
   Position To    [        ]

   O  Function  Seq#  Parm 1    Parm 2    Parm 3    Parm 4    Parm 5
      PRINT     001   QPRINT    1

Opt: 2=Edit Parms  9=Delete     F3=Exit  F6=Add Function              MW
```

2. On Entity Function Maintenance, press F6.

```
┌─────────────────────────────────────────────────────────────────────────┐
│ ░▓│ [6027] - Entity/Function Parms Maint                    _ □ ×        │
│ Functions   Tools   Help                                                  │
│ ┌───┬───┐                                                    │
│ │ ✔ │ ✗ │                                                    │
│ └───┴───┘                                                    │
│                                                                           │
│     Version      DEM01     Entity        0000005457 Sequence    002       │
│     Select Key   00001347                                                 │
│     Function              ▌                                               │
│     Print Banner Page     Y  Y/N                                          │
│     Entity/Routing ID     00001347                                        │
│     Parm 1       ┌──────────────┐                                        │
│     Parm 2       ├──────────────┤                                        │
│     Parm 3       ├──────────────┤                                        │
│     Parm 4       ├──────────────┤                                        │
│     Parm 5       ├──────────────┤                                        │
│     Parm 6       ├──────────────┤                                        │
│     Parm 7       ├──────────────┤                                        │
│     Parm 8       ├──────────────┤                                        │
│     Parm 9       ├──────────────┤                                        │
│     Parm 10      └──────────────┘                                        │
│                                                                           │
│ F3=Exit   F4=Functions                                      MW            │
└─────────────────────────────────────────────────────────────────────────┘
```

3. On Entity/Function Parms Maintenance, press F4.

```
┌─────────────────────────────────────────────────────────────────────────┐
│ ░▓│ [6033] - Function Selection                             _ □ ×        │
│ Functions   Options   Tools   Help                                        │
│ ┌───┬───┐                                                    │
│ │ ✔ │ ✗ │                                                    │
│ └───┴───┘                                                    │
│                                                                           │
│                      Position to       ┌──────────┐                      │
│                                        └──────────┘                      │
│             ┌──┬──────────┬─────────────────────────────┐               │
│             │OP│ Function │         Description          │               │
│             │  │CHGFORMTYP│                              │               │
│             │  │PRINT     │                              │               │
│             │  │PRINT2    │                              │               │
│             │  │SNDNETSPLF│Spool File Name               │               │
│             │  │          │                              │               │
│             │  │          │                              │               │
│             │  │          │                              │               │
│             │  │          │                              │               │
│             │  │          │                              │               │
│             └──┴──────────┴─────────────────────────────┘               │
│                                                                           │
│ F3=Exit   4=Return with Function                            MW            │
└─────────────────────────────────────────────────────────────────────────┘
```

4. On Function Selection, enter 4 next to the appropriate routing function. You can only assign one at a time.

    The function parameters appear on Entity/Parms Maintenance.

```
[6027] - Entity/Function Parms Maint                        _ □ ×
Functions   Tools   Help

✔  ✗

    Version        DEM01      Entity      0000005457 Sequence   002
    Select Key     00001347
    Function                 CHGFORMTYP
    Print Banner Page         Y  Y/N
    Entity/Routing ID        00001347
    Parm 1        *SPLNAM
    Parm 2        *JOBNUM
    Parm 3        *USER
    Parm 4        *JOBNAM
    Parm 5        *SPLNUM
    Parm 6        DAVE
    Parm 7
    Parm 8
    Parm 9
    Parm 10

F3=Exit  F4=Functions                                      MW
```

5. Accept or modify any of the following fields and press Enter:

    - Name

    - Description

    - Command String

    - Parameters

    Note: For an IBM command, key in the command name and press F4 for normal command prompting.

6. To return to Entity/Function Maintenance, press F3. The additional routing function appears with other routing functions that are attached to the select key.

7. To return to Select Key Maintenance, press F3.

    Note: An * now appears next to the select key, indicating a function assignment.
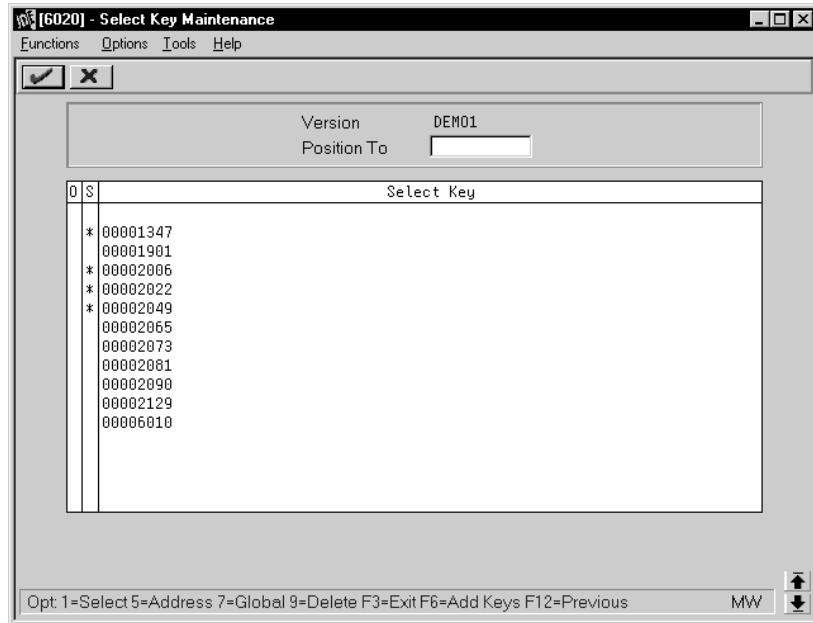
Assigning a Routing Function to Multiple Select Keys

If you want to assign a routing function to multiple keys, assign the function globally rather than to each select key individually.

▶ To assign a routing function to multiple select keys

On Select Key Maintenance

1. Enter 7 in each option column of the select keys to which you want to assign a routing function.

2. On Entity/Function Maintenance - Global, press F6.

3. On Entity/Parms Maintenance, press F4.

4. On Function Selection, enter 4 next to the appropriate routing function. You can only assign one at a time. The function parameters appear on Entity Function Parms Maintenance Global.

5. Accept or modify any of the following fields and press Enter:

    - Name
    - Description
    - Command String
    - Parameters

    Note: For an IBM command, key in the command name and press F4 for normal command prompting.

6. To return to Entity/Function Maintenance, press F3. The additional routing function appears with other routing functions that are attached to the select key.

Change Select Key Parameters

Changing Parameters for a Select Key

Use the Select Key Maintenance application to customize the parameters for a routing function or a select key. For example, depending on the select key you can customize the PRINT routing function to change the number of copies or specify an output queue.

The EBB version ID, select key and routing ID appear on the banner page. You can also access Select Key Maintenance to:

- Change the banner page for a print function on a select key
- Change the entity/routing ID for any print function. Do not change certain keywords.

▶ **To change parameters for a select key**

On Electronic Burst and Bind

1. Choose Maintain EBB Versions.
2. Enter 2 in the control column for the appropriate version.
3. On Select Key Maintenance, enter 1 in the control column for the appropriate select key. Entity/Function Maintenance appears.

   Due to form size limitations, only the first five parameters for a routing function appear.

```
[6021] - Entity/Function Maintenance                          _ □ ×
Functions   Options   Tools   Help
┌──────────────────────────────────────────────────────────────┐
│ ✔ │ ✗ │                                                       │
└──────────────────────────────────────────────────────────────┘

    Version          DEM01      Entity Key      0000005457
    Select Key     00001347
    Position To    [          ]

   ┌─┬──────────┬────┬─────────┬─────────┬─────────┬─────────┬─────────┐
   │O│ Function │Seq#│ Parm 1  │ Parm 2  │ Parm 3  │ Parm 4  │ Parm 5  │
   │ │ PRINT    │001 │QPRINT   │1        │         │         │         │
   │ │CHGFORMTYP│002 │*SPLNAM  │*JOBNUM  │*USER    │*JOBNAM  │*SPLNUM  │
   │ │          │    │         │         │         │         │         │
   │ │          │    │         │         │         │         │         │
   │ │          │    │         │         │         │         │         │
   └─┴──────────┴────┴─────────┴─────────┴─────────┴─────────┴─────────┘
                                                                     ┌─┐
                                                                     │▲│
 Opt: 2=Edit Parms  9=Delete     F3=Exit  F6=Add Function      MW   │▼│
```
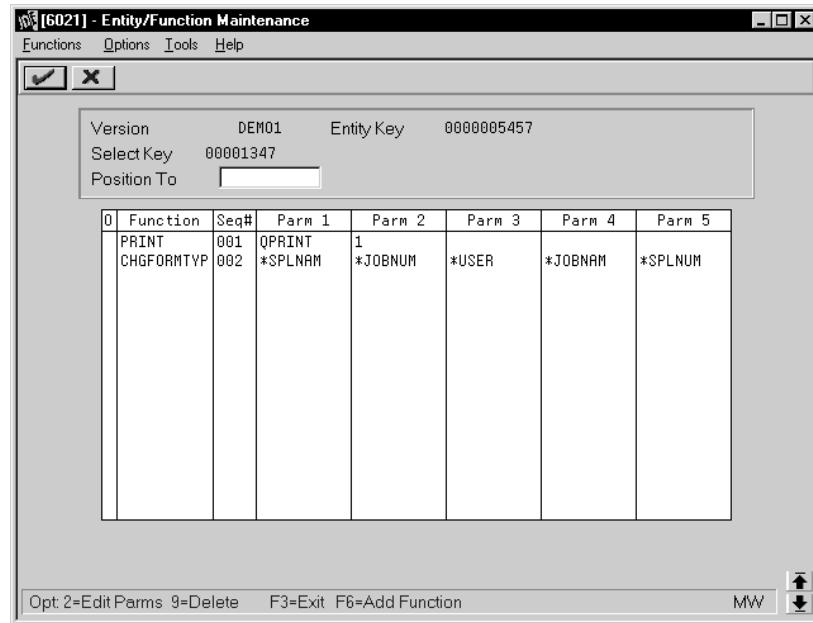
4. On Entity/Function Maintenance, enter 2 in the control column to view up to ten parameters for a function.

```
[6027] - Entity/Function Parms Maint                          _ □ ×
Functions   Tools   Help
┌──────────────────────────────────────────────────────────────┐
│ ✔ │ ✗ │                                                       │
└──────────────────────────────────────────────────────────────┘

    Version          DEM01      Entity       0000005457 Sequence   002
    Select Key     00001347

    Function              [CHGFORMTYP]

    Print Banner Page     [Y] Y/N

    Entity/Routing ID     [00001347                        ]

    Parm  1      [*SPLNAM   ]
    Parm  2      [*JOBNUM   ]
    Parm  3      [*USER     ]
    Parm  4      [*JOBNAM   ]
    Parm  5      [*SPLNUM   ]
    Parm  6      [DAVE      ]
    Parm  7      [          ]
    Parm  8      [          ]
    Parm  9      [          ]
    Parm 10      [          ]
                                                                     ┌─┐
                                                                     │▲│
 F3=Exit   F4=Functions                                       MW   │▼│
```
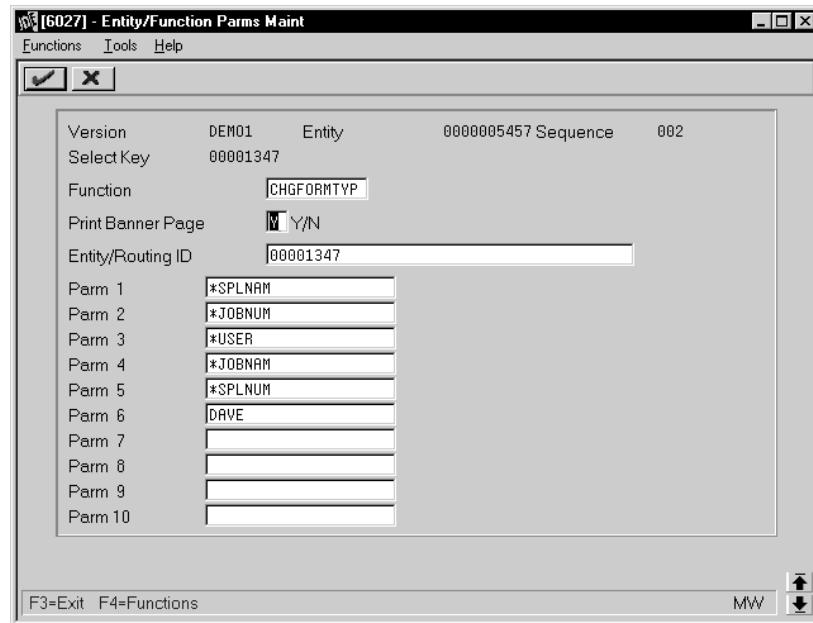
5. Edit the parameters as necessary and press Enter.

6. To return to Select Key Maintenance, press F3.

See Also

- *Keywords* for a list of keywords you should not change.

Print the Entity/Functions Report

Printing the Entity/Functions Report

The Entity/Functions Report contains information for all Version Ids. The report displays the entity keys, select keys, and the routing functions that are attached to select keys.

▶ **To print the entity functions report**

On Electronic Burst and Bind

Choose Entity/Functions Report. The report request submits to batch.

Substitute Select Keys

About Substitute Select Keys

The process of bursting and binding depends on specified criteria being on the report. However, you might be working with a report that does not contain specific information. Rather than modifying the report and generating a new spool file that includes the required information, you can define substitute select keys.

When you burst reports that use substitute select keys, EBB uses the original and substitute select keys. The substitute select key is used as if it appeared on the report originally.

Use substitute select keys to burst and bind reports when:

- Information on which you want to burst on is not on the report
- Related, but not identical, information between two reports must be matched to bind the reports together
- Both the original and substitute keys exist in any one file

Substitute select keys require a cross-reference file or table, between the original and substitute select keys, before EBB can burst a report. Any EBB version can refer to any table. You can reference multiple reports within multiple versions, that burst using the same original and substitute select key combinations, to the same cross reference table. To more easily distinguish one burst report from another, print the substitute select key on the reports.

Perform the following tasks:

❏ Define substitute select keys

❏ Generate the substitute select key index

❏ Update the substitute select key cross-reference

Examples Using Substitute Select Keys

The following presents two examples of how substitute select keys are used to bind reports. Both examples use the same cross reference table.

In the first example, EBB binds reports based on criteria that is not in the spool report file.

- A company has cost centers organized into divisions, with multiple cost centers in each division. A report runs by cost center each month using fifteen different DREAM Writer versions. Each DREAM Writer version generates a report for a specific division. The cost center number prints on the report, but the division code does not. The reports are distributed to the managers of each division.

- The substitute select key option allows you to run the report once, selecting all fifteen divisions. Then EBB bursts the report by division and routes the reports to the appropriate division managers.

  To accomplish this, a cross reference table is built between the cost center number and the division code. The division code is the substitute select key. Then the substitute select key instructions were followed to link the cross reference table to the EBB version.

In the second example, two reports are bound. The data used is not on one of the reports.

- Report 1 is generated for all expenses in each cost center. Report 2, is generated for sales in each division. The division code is not on Report 1, but the company would like to distribute both reports to the division managers.

- The substitute select key option allows you to bind two reports, even when the information used for binding is not on both reports. To enable EBB to burst the sales and expenses reports by division, and route to the appropriate division managers, a substitute select key for the division code must be added to Report1. The cross reference table provides the link between the cost center, the original select key, and the division code, the substitute select key. The division code is defined as Report2 requires only the setup of the division code as the select key on the report.

Define Substitute Select Keys

Defining Substitute Select Keys

The following instructions attach a substitute select key to a version. You can attach a substitute select key before or after you generate cross reference table.

If you want to change the substitute select key, change the name of the cross reference table to which the version is linked. You can also update the cross-reference or change the print instructions for the substitute select key using the following instructions.

▶ **To define a substitute select key**

On Electronic Burst and Bind

1. Choose Maintain EBB Versions.

2. On Maintain EBB Versions, enter 1 in the option column for the appropriate version.

   EBB Reports Selection appears. If a substitute select key exists for a report, SK appears next to the report description.

3. Enter 2 in the option column.
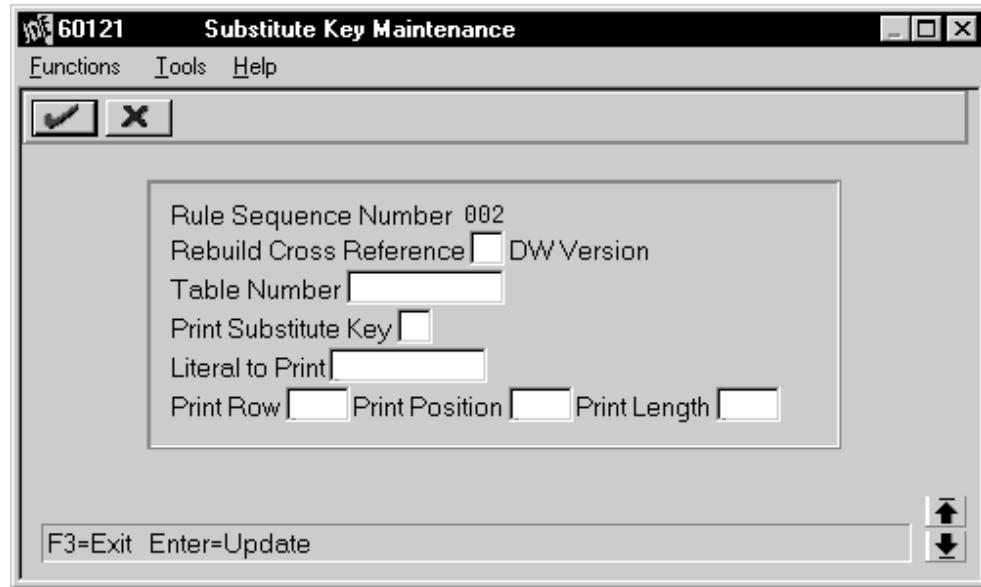
4. On Substitute Key Maintenance, complete the following fields:

- Rebuild Cross-Reference
- Table Number
- Print Substitute Select Key
- Literal to Print
- Print Row
- Print Position
- Print Length

5. To update the substitute select key file, press Enter.

6. To exit the window, press F3. The select key appears with the notation SK on EBB Reports Selection.

Field	Explanation
Rebuild cross-reference	Enter N (no). Future Enhancement.
Table number	The name (up to ten characters) of the table the user creates in which the original key and substitute select keys are cross referenced. This field is required
Print substitute key?	Enter either Y or N to indicate whether the substitute select key should be printed on the final output. This field is required.
Literal to print	If you want to print the substitute select key on the report, enter up to ten characters for a header. The text appears on the left side of the substitute select key. Since a blank is inserted after the literal, it actually occupies 11 spaces on the report.
Print row	The row on which you want the substitute select key to appear. This field is mandatory if the Print Substitute Key? field is set to Y. Use a number between 1 and 99. If a literal has been entered, it will print to the left of the substitute select key. Choose an area on the report where important information will not be overlaid.
Print position	The position in which the literal (if entered) and substitute select key will begin to print. This field is required if the Print Substitute Key? field is set to Y. Use a number between 1 and 191.
Print length	The combined length of the literal (if entered) and a blank space plus the substitute select key that will appear on the report. This field is required if the Print Substitute Key? field is set to Y. Use a number between 1 and 191.

Generate the Cross-Reference Index

Generating the Cross-Reference Index

After you define one or more substitute select keys, you must generate a cross-reference index in preparation for updating the substitute select key table.

Generate the cross-reference index when you:

- Define a new substitute select key
- Change a substitute select key
- Encounter problems updating the substitute select key table

After you generate the cross-reference index, you must then create a cross-reference table of the substitute select key data which is discussed in the next chapter.

The following steps generate a cross-reference index. Accomplish this from the Rebuilds and Global Updates menu, G9642.

▶ **To generate the cross-reference table**

On Rebuilds and Global Updates
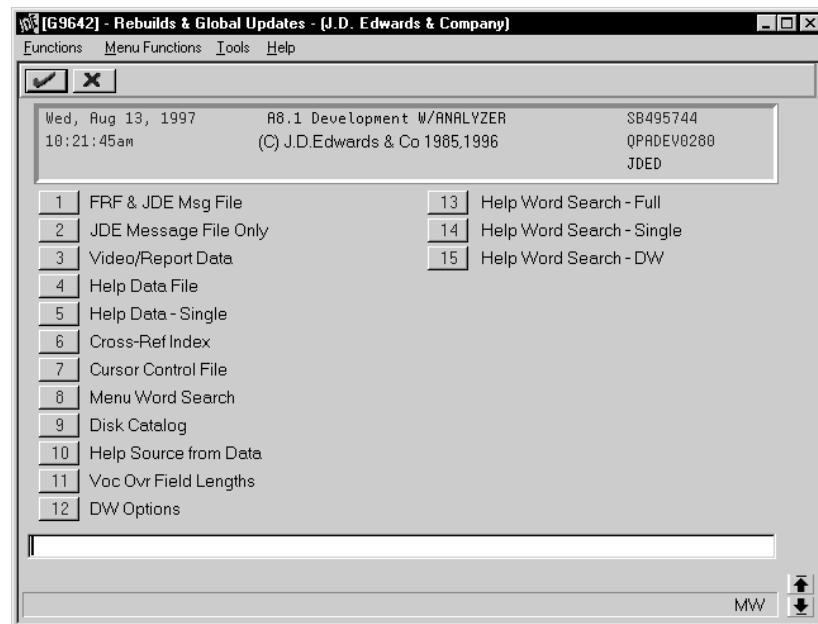
Choose Cross-Reference Index.
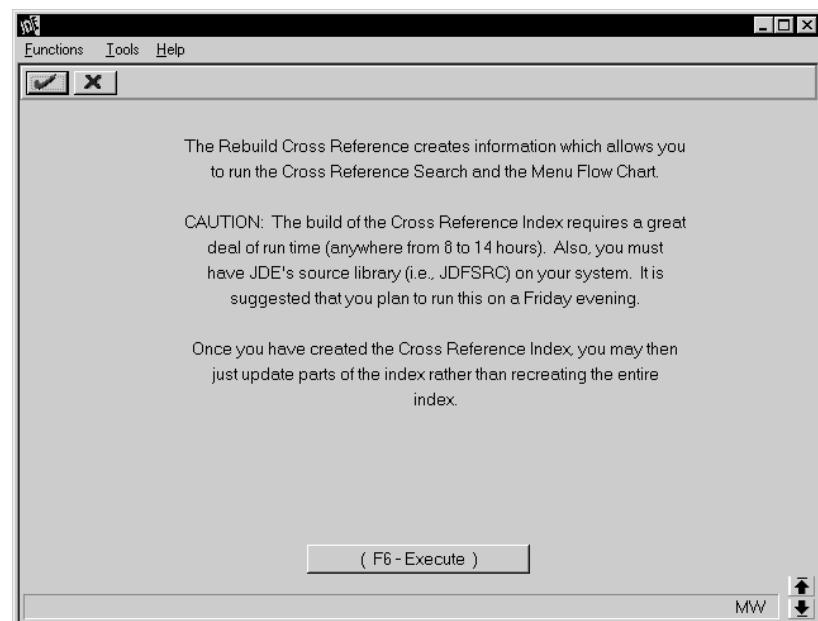
Update the Cross-Reference Table

Updating the Cross-Reference Table

After you generate a cross-reference index for substitute select keys, you must update the table that cross-references the data for the substitute select keys. EBB uses the cross-reference table of data to burst reports.

Any EBB version can refer to any table. You can reference multiple reports within multiple versions, that burst using the same original and substitute select key combinations, to the same cross-reference table. To distinguish one burst report from another, print the substitute select key on the reports.

To update a substitute select key cross-reference, you must set up a version of a form for each cross-reference table.

The following instructions show you how to set up a cross-reference table for a DREAM Writer version. Use the Form P98E08 that is already provided in your EBB installation.

When you update the substitute select key cross-reference, perform the following tasks:

- Adding a DREAM Writer report version for P98E08
- Identifying the version
- Defining version parameters
- Specifying processing options
- Assigning sequence numbers to select keys

Before You Begin

❏ Before updating the substitute select key cross-reference, you should be familiar with the reports, version and file information.

❏ You must be familiar with DREAM Writer.

❏ A current cross-reference index must exist.

Adding a DREAM Writer Report Version for P98E08

You must add a version of Form P98E08 for each cross-reference table prior to processing the EBB version ID. Before you add a DREAM Writer version, you should be familiar with the reports, version, and file information. Add a version from the DREAM Writer menu, G81.

▶   **To add a DREAM Writer report version for P98E08**

On DREAM Writer
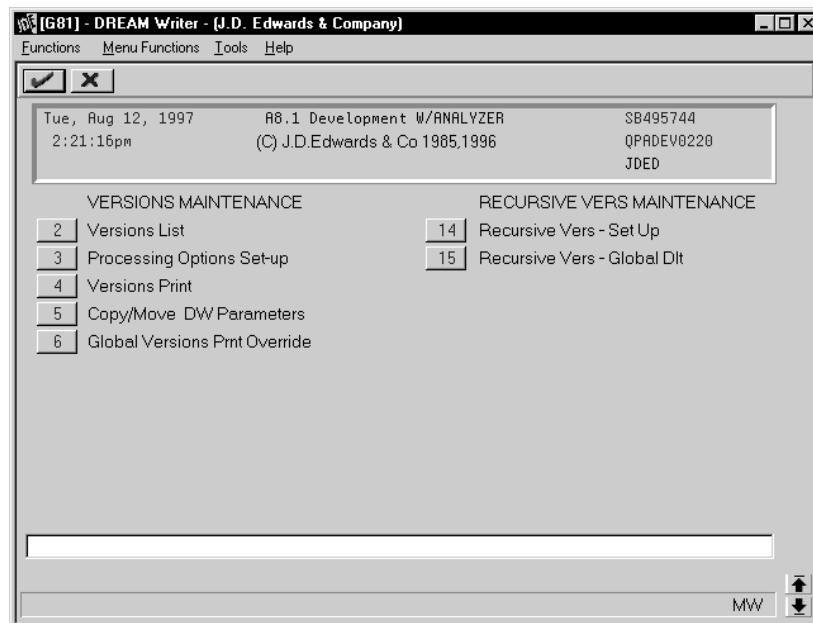
1.   Choose Versions list.
2.   Enter P98E08 for the form ID.

```
[98300] - Versions List                                          _ □ ×
Functions   Options   Tools   Help
┌───┐┌───┐
│ ✔ ││ ✘ │
└───┘└───┘

          Skip to Version:    [          ]      Form  P98E08

┌─┬──────────┬──────────────────────────────┬──────────┬─────────┐
│O│ Version  │          Description          │  User    │Chg Date │
│ │EBBQDMO   │Substitute Key Demo            │TFRCTL10  │12.06.97 │
│ │          │                              │          │         │
│ │          │                              │          │         │
│ │          │                              │          │         │
│ │          │                              │          │         │
│ │          │                              │          │         │
│ │          │                              │          │         │
│ │          │                              │          │         │
│ │          │                              │          │         │
└─┴──────────┴──────────────────────────────┴──────────┴─────────┘
                                                                 ▲
Opt: 1=Run 2=Chg 3=Add 4=Rpt Dist 5=Cover 6=Prt Ovr 8=Repair 9=Dlt    MW  ▼
```
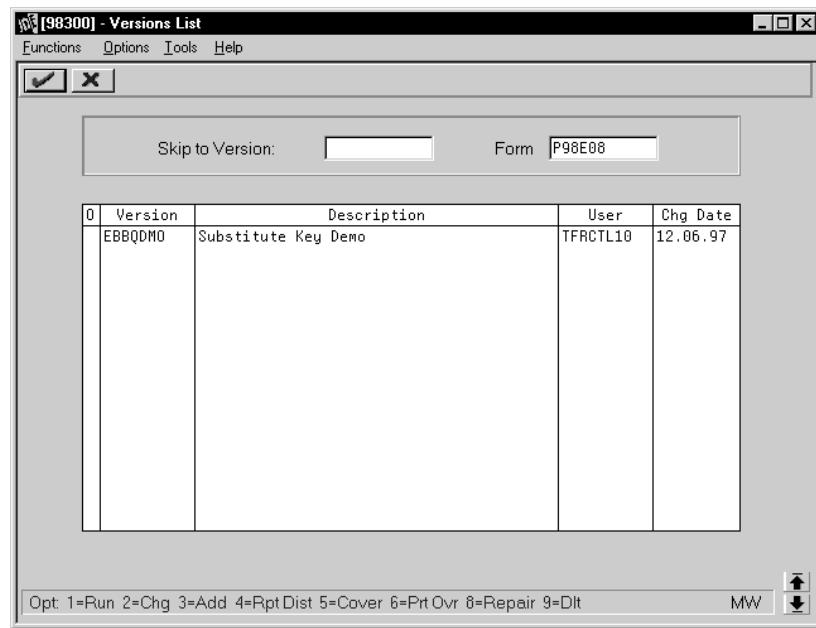
3. Enter 3 in the option column for the appropriate version.

```
 P98CPYW  Dream Writer Version Copy                      _ □ ×
Functions   Tools   Help
┌───┐┌───┐
│ ✔ ││ ✘ │
└───┘└───┘

              Form          P98E08

              New Version   [*         ]

                                                              ▲
 F12=Previous  F24=More                                       ▼
```
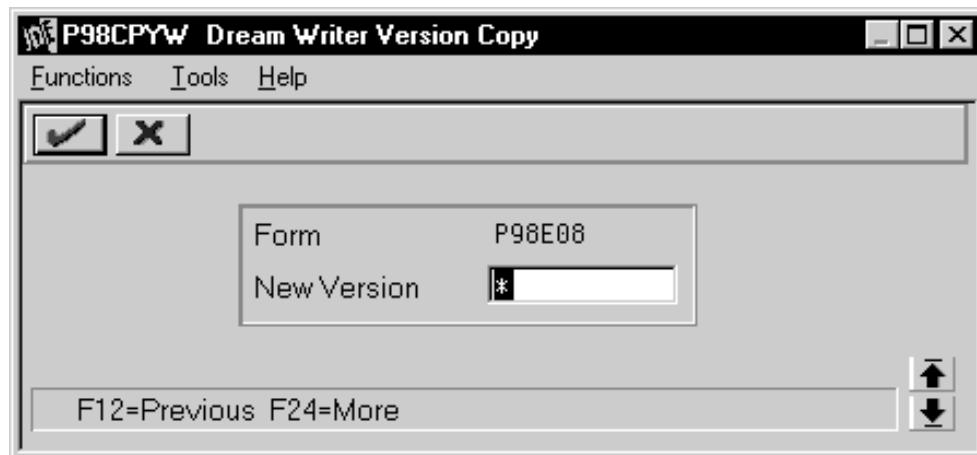
4. On Dream Writer Version Copy, complete the following field:

    •   New Version

Field	Explanation
Skip to Version: Version	For World, identifies a group of items that the system can process together, such as reports, business units, or subledgers.
	For OneWorld, the name of the version. It is created when the version is added.
	. . . . *Form-specific information* . . . .
	A specific set of parameters used to populate a DREAM Writer form.
Form	This form name is the name of the RPG program which controls the function format of this DREAM Writer report. For FASTR and P & E FASTR reports, the form name can normally be any name the users may create.
Description	For World, a description of the version that appears next to the version number. The version title is different from the report title.
	For OneWorld, the title of the version. The version title is different from the application title.
User	For World, The IBM-defined user profile.
	For OneWorld, the creator of the version.
	. . . . *Form-specific information* . . . .
	The IBM-defined user profile of the last person to update that version.
Chg Date	The date of the last update to the file record.

Options

On the Versions List form, choose the following options:

1	Selects a version with which you can work.
2	Displays the DREAM Writer Menu where you can work with the version ID, additional parameters, processing option values, and data sequence.
3	Add new DREAM Writer version.
4	Identifies individuals to whom a report is distributed.
5	Displays the DREAM Writer Version Inquiry form where you can view version information.
6	Display printer overrides.
8	Repair.
9	Deletes the DREAM Writer version.

Identifying the Version

The Version Identification form:

- Identifies a report title for the Versions List. Use a version title that is meaningful.

- Specifies up to three report titles for the hard copy report that center on the page automatically.

- Indicates the language based on a user defined code. The language is used on forms and printed reports.
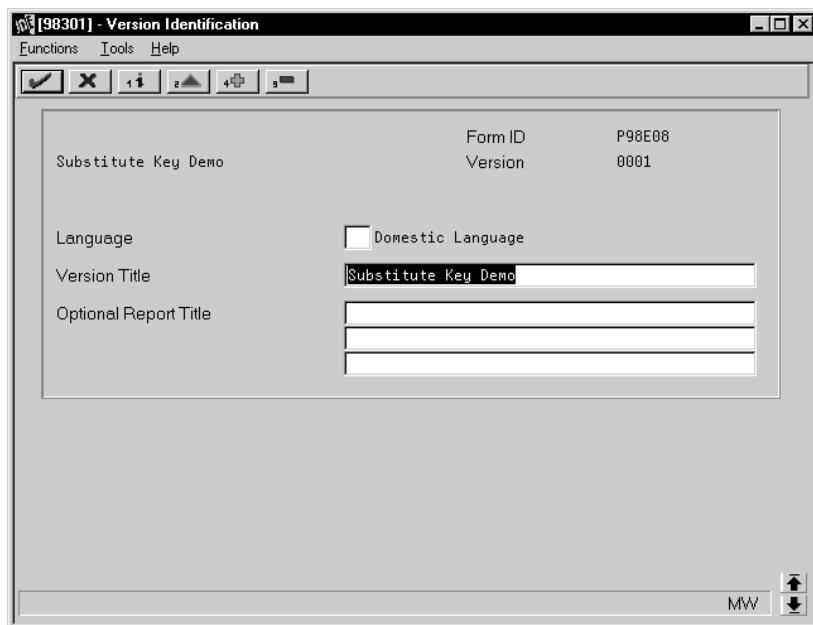
On Version Identification, complete the following fields:

- Language

- Version Title

- Optional Report Title

For demonstration purposes, enter the title Company to Cost Center. Now you must define additional parameters for the DREAM Writer version that you have added.

Field	Explanation
Language	A user defined code (system 01/type LP) that specifies a language to use in forms and printed reports.
	For World, if you leave the Language field blank, the system uses the language that you specify in your user preferences. If you do not specify a language in your user preferences, the system uses the default language for the system.
	Before any translations can become effective, a language code must exist at either the system level or in your user preferences.
	. . . . *Form-specific information* . . . .
	A user defined code that specifies the language used for the title of this version. The allowed values are found in system 01, user defined code type LP.
Version Title	For World, a description of the version that appears next to the version number. The version title is different from the report title.
	For OneWorld, the title of the version. The version title is different from the application title.
Optional Report Title	The title that appears at the top of the report. It can include up to three lines with 40 characters each. The lines are automatically centered on the report.

Defining Version Parameters

Press Enter from Version Identification to access Additional Parameters. If you go too far, press F12 to return to the previous form.

Additional Parameters contains various job control parameters.

▶ **To define version parameters**

On Additional Parameters

```
[983011] - Additional Parameters                              _ □ ✕
Functions  Tools  Help

[✔] [✕] [₁i] [₂▲] [₄✛] [₉▬]

                              Form ID        P98E08
Substitute Key Demo           Version        0001

Based on File        F0006    Based on Member       *ALL

Processing Overrides
Print Cover Page (Y/N)      Y      Print Instructions (Y/N)   N
Mandatory Processing Option Y      User Exclusive (0/1/2/3)   0
Job Queue                   *JOBD  Hold on Job Queue (Y/N)    N
Format Name                 I98EQDMO  Output Media            RPT
Job to Execute                     File Output Type           1
Type Report Totaling        1      Override Logical File
Open Query File Options
Optimize Option(1/2/3)      1
Sequential Only(Y/N)        Y
Open for Output(Y/N)        N
Open for Update(Y/N)        N
Open for Delete(Y/N)        N
                                                              MW
```

Complete the following field:

- Based on File

The Based on File field must be the file that contains the original select keys and the substitute select keys.

For demonstration purposes, enter the file name, F0006.

Note: If you change the based on file, you may need to delete and re-add the data sequence setup records so that the correct file name is associated with the internal keys.

Field	Explanation
Based on File	Identifies the name of the physical file on which a logical file is based. In DREAM Writer, the based on file refers to the file on which all operations, such as Data Selection, Data Sequence, and so forth are to be done.
	. . . . *Form-specific information* . . . .
	The file on which Data Selection and Data Sequence are done.
Based on Member	Specifies the name of a specific member of a physical or logical file. The standard default for all DREAM writer logicals is to be based upon all members of the physical file, member name = *ALL. You may also base the logical on a single member within the physical file by entering the name of the member in this field.

Field	Explanation
Print Cover Page (Y/N)	A code that controls whether to print the cover page for the version. Y Print cover page N Do not print cover page For STAR reporting this code controls the printing of a separate specifications report. . . . . *Form-specific information* . . . . Note: You can use 1 for Y and 0 (zero) for N.
Print Instructions (Y/N)	Specifies whether to print the help instructions to accompany the requested report. Y Print the help instructions N Do not print the help instructions Note: You can use 1 for Y and 0 (zero) for N.
Mandatory Processing Option	A code used to designate whether a data item may optionally be selected by the user. . . . . *Form-specific information* . . . . A code to designate whether processing options or data selection appear before execution of the job. Values are: Y Mandatory display of processing options form at runtime. 2 Displays both Processing Option and Data Selection forms at runtime. 3 Mandatory displays Data Selection form at runtime. N Immediate submission to batch. Note: You can use 1 for Y and 0 (zero) for N.

Field	Explanation
User Exclusive (0/1/2/3)	This field allows you to restrict user access for a report version.
	For World, the valid values are:
	0 No security. Anyone can change, copy, delete, or run the version. This is the default when adding a new version.
	1 Medium security. Only the user who created the version can change or delete it. All users can copy or run the version. This is how the JDE Demo versions are delivered.
	2 Medium to full security. Only the user who created the version can change, delete, or run it. All users can copy the version.
	3 Full security. Only the user who created the version can change, delete, copy, or run it.
	For OneWorld, the valid values are:
	0 No security. Anyone can design, change processing option values, change detail values, check in, check out, install, transfer, copy, delete, or run the version.
	1 Medium security. Only the Last Modified By can design, change processing option values, change detail values, check in, check out, or delete the version. Anyone can install, copy, transfer, or run the version.
	2 Medium to Full security. Only the Last Modified By can design, change processing option values, change detail values, check in, check out, transfer, delete, or run the version. Anyone can install or copy the version.
	3 Full security. Only the Last Modified By can design, change processing option values, change detail values, check in, check out, install, transfer, copy, delete, or run the version.
Job Queue	The computer waiting line that a particular job passes through. If blank, it defaults to the job queue specified in the user's job description.
Hold on Job Queue (Y/N)	A code used to indicate whether to hold the submitted job in the job queue. Values are: Y Yes N No
Format Name	The RPG format name that the system uses in the logical file or open query statement.
Output Media	Output values are specified as follows: RPT Reports, including special forms IFX Output to FAX distribution (future use).

Field	Explanation
Job to Execute	If specified, this job will be executed instead of the normal form ID.
File Output Type	The DREAM Writer File Type field specifies which type of file will be produced by the DREAM Writer. Valid values are: 1 Open Query File (default value) 2 Standard Logical File. DREAM Writer creates this file, and then deletes it when processing is complete. 3 Future Use 4 Standard Logical file (Create & Keep)
Type Report Totaling	This code defines the type of totaling to be used by DREAM Writer for this report version. The values are: 1 Hard coded program totaling; you cannot specify any subtotaling; 2 Hierarchical totaling that can be specified in the data sequencing screen is supported by the application.
Override Logical File	The name of an existing logical file that the DREAM Writer uses when processing a version in place of a dynamically created logical view. You can also specify the version logical file that is created dynamically. Use when File Output type is 4.
Optimize Option(1/2/3)	The OPNQRYF Optimize Option specifies which option should be used for return of records from a DREAM Writer or FASTR open query file. The options are: 1 *ALLIO. To improve the total time to read the whole query. This assumes that all query records are read from the file. 2 *FIRSTIO. To improve the time it takes to open the query file and get the first batch of records. 3 *MINWAIT. To improve the response time for reading records from this file. JDE recommends that you do not change this field.
Sequential Only(Y/N)	This field is used in conjunction with the OPNQRYF function. This field specifies the use of sequential only Yes or No when opening the file. The use of sequential only Yes provides fastest processing of the file but does not allow random access or read prior options in the file. The use of sequential only No processes the file slightly slower but does allow random access and read prior options in the file. This option should not be changed; follow the examples on the DREAM Writer or FASTR versions provided with a User Id of DEMO.

Field	Explanation
Open for Output(Y/N)	This field is used in conjunction with the OPNQRYF function. It means that the program in this procedure writes new records to the Base File during processing.
	This option should not be changed; follow the examples on the DREAM Writer versions provided with a User Id of DEMO.
Open for Update(Y/N)	This field is used in conjunction with the OPNQRYF function. It means that the program in this procedure will update existing records in the Base File during processing.
	This option should not be changed; follow the examples on the DREAM Writer versions provided with a User Id of DEMO.
Open for Delete(Y/N)	This field is used in conjunction with the OPNQRYF function. It means that the program in this procedure will delete (remove) existing records from the Base File during processing.
	This option should not be changed; follow the examples on the DREAM Writer versions provided with a User Id of DEMO.

Specifying Processing Option Revisions

Press Enter from Additional Parameters to access Processing Options Revisions.

Processing Options Revisions identify the table number to which you assigned the substitute select key table.

▶ **To specify processing options for substitute select key table**

On Processing Options Revisions
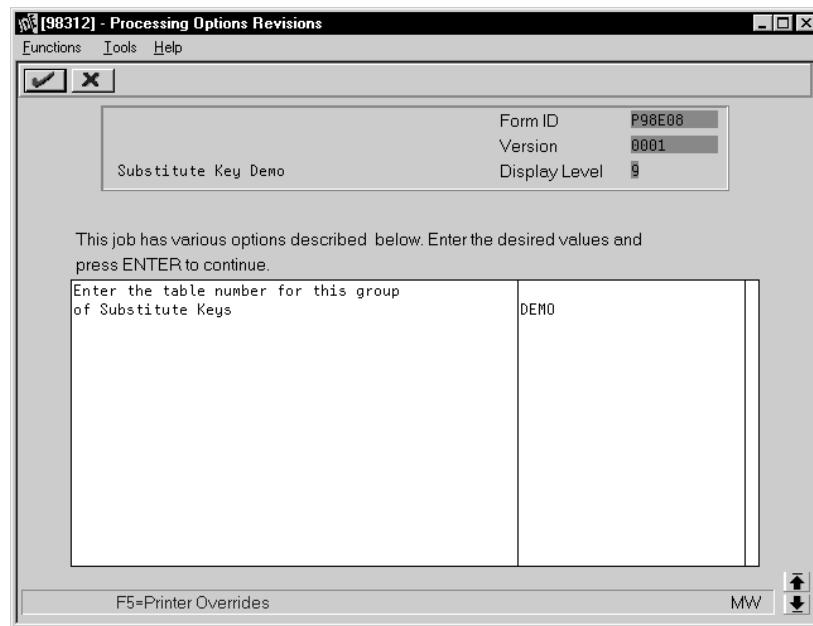
Enter the table number you have assigned to this substitute select key table. Name this table logically. For example, you could use the name CC_CMPY for cost center to company.

Selecting Data

Press Enter from Processing Options Revisions to access Data Selection. Because substitute select keys do not use data selection, press Enter without selecting any data. Now assign sequence numbers to the select keys in the version.

Assigning Sequence Numbers to Select Keys

Press Enter from Data Selection to access Data Sequence. On this form, locate the field that represents the original select key.

When assigning sequence numbers to select keys, use a different range of numbers than the original select key so that you can distinguish the original from the substitute select key. For example, if you are updating the cross-reference to use the region code as the original select key and the group code as the substitute select key, enter the sequence number 001 next to the region. On the group code, enter the sequence number 100 and change the Opt field to a Y.

▶ **To assign sequence numbers to select keys**

On Data Sequence Set Up
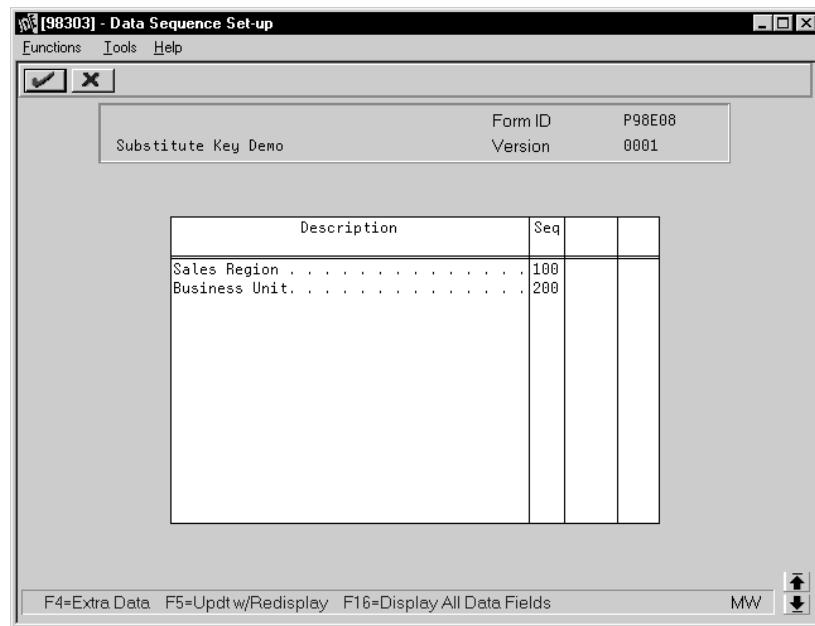
1. Type a sequence number in the field for the original select key, but do not press Enter until you complete step 2.

    If there are multiple fields that make up the original select key, assign all fields a sequence number in the order in which they fall, from left to right. Ensure that the original select key fields contain an N in the Opt field of the detail area.

2. While still on Data Sequence Set Up, enter a sequence for the substitute select key. Use a different range of numbers than the original select key so that you can distinguish the original from the substitute select key. To identify the substitute select key fields to the program, press F4 to open the fold and then enter Y in the Opt field.

```
[98303] - Data Sequence Set-up                              _ □ ✕
Functions   Tools   Help
┌──┐┌──┐
│ ✔ ││ ✕ │
└──┘└──┘
                                    Form ID      P98E08
          Substitute Key Demo       Version      0001


              ┌─────────────────────────┬────┬────┐
              │      Description         │ Seq│    │
              ├─────────────────────────┴────┴────┤
              │Sales Region . . . . . . . . . . . . . . 100
              │Opt: N Asc/Desc: A Name : QDAC11
              │Business Unit. . . . . . . . . . . . . . 200
              │Opt: Y Asc/Desc: A Name : QDMCU
              │
              │
              │
              │
              │
              │
              │
              └───────────────────────────────────┘
                                                          ⬆
  F4=Extra Data   F5=Updt w/Redisplay   F16=Display All Data Fields   MW  ⬇
```
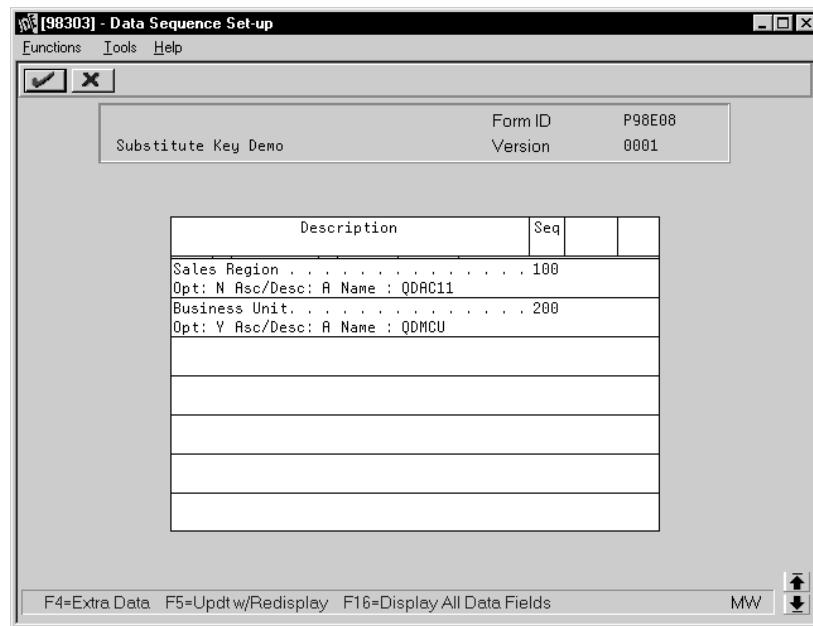
3. Press Enter. You are returned you to DREAM Writer Versions List.

4. To run the DREAM Writer version and update the cross-reference table, enter 1 next to the version.

Functions

Use the function keys to perform the following tasks:
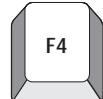
F4	Display the detail area
F5	Update and redisplay
F16	Display all fields in the report
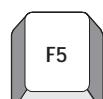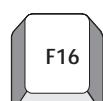
Monitor

About the Monitor

The monitor is a program that bursts, binds, and routes spool files for the versions you set up. The monitor does not run continually. The monitor uses a built in delay interval during which time the monitor is inactive. After the defined interval (usually 60 seconds), the monitor becomes active. When the monitor is running, the monitor evaluates each spool file in the EBBSTART output queue to determine if the file should be processed. If all criteria is met, the monitor process the spool file. If criteria is not met, the monitor generates a message. You can view these messages in the EBB message queue.

The setup file governs basic guidelines for all EBB versions on your system. The setup file contains the monitor delay time, job queue, output queues, and other default information. The setup file requirements are defined during the EBB installation and can be modified as necessary.

To work with the EBB Monitor, complete the following tasks:

- ❏ Move spool files to EBBSTART

- ❏ Start the monitor

- ❏ End the monitor

- ❏ Display the EBB message queue

- ❏ View and clear the EBB history log

- ❏ View the process report

Before You Begin

Review the following checklist to ensure that the monitor runs successfully.

- ❏ The spool file must exist. If you do not want the monitor to process the spool file immediately, create the spool file in an output queue other than EBBSTART. Then move the spool file to EBBSTART when you want to process the spool file.

- ❏ If you create spool files initially in an output queue other than EBBSTART, change the spool file output queue to EBBSTART when you are ready to burst the spool file.

❑ The User Data attribute on the spool file must be identical to the version ID name.

❑ The spool file must be in RDY status.

❑ All version spool files must be present.

❑ The burst selection criteria must not exceed 90 characters. You can select multiple rows on which to burst as long as the total burst criteria does not exceed 90 characters.

Move Spool Files to EBBSTART

Moving Spool Files to EBBSTART

When you are ready to burst a report, ensure that it is in the output queue, EBBSTART. If the spool files are in an output queue other than EBBSTART, you must change the output queue to EBBSTART.

Use the Maintain EBB Versions application to move spool files to EBBSTART.

▶   **To move spool files to EBBSTART**

On Electronic Burst and Bind

1. Choose Maintain EBB Versions.

2. On Maintain EBB Versions, enter 5 next to the version.

3. On Spool File Selection, enter the output queue in which your spool files reside.

4. Enter 2 in the control column for the first file.

    The file disappears from the form because it has now been moved to the EBBSTART output queue.

5. Repeat step 4 for each spool file. When all files in the output queue have been moved to the EBBSTART output queue, the following message appears:

    Version (Version ID) report was not found in this OUTQ

6. Change the output queue name to EBBSTART, and press Enter. The spool files reappear.

Start the Monitor

Starting the Monitor

The monitor processes spool files in the EBBSTART output queue with a status of RDY, where the User Data attribute is identical to the version ID. The monitor delay time that you specify during setup determines how often the monitor becomes active to process spool files.

Restart the monitor when it ends abnormally. When the monitor ends abnormally, the indicators used by the start program are not automatically reset and you must restart the monitor.

Before You Begin

❏ Ensure that the monitor is not currently active. If the monitor is running and you want to interrupt it to perform other processes, you must end and restart the monitor.

▶ **To start the monitor**

On Electronic Burst and Bind

Choose Start EBB Monitor.

End the Monitor

Ending the Monitor

Because spool files automatically process at a specific time, you may need to end the monitor to perform other processes or when reports are not processing. When you end the monitor, EBB becomes inactive and does not process spool files. You must then restart the monitor.

End the monitor when you want to:

- Clear the monitor before adding a new version
- Backup files used by EBB
- Change a version or select key
- Restart the monitor

Note: Even though the monitor may be inactive, the indicators are reset when you end the monitor.

▶ To end the monitor

On Electronic Burst and Bind

1. Choose End EBB Monitor.

2. Choose Display EBB Message Queue. The follow message appears:

   EBB monitor ended

3. To return to Electronic Burst and Bind, press Enter.

Display the EBB Message Queue

Displaying the EBB Message Queue

The monitor writes messages to the EBB message queue for the following reasons:

- Each spool file in a version is not in the EBBSTART output queue with a RDY Status

- Burst criteria has not been selected

- Reports in EBBSTART have an invalid version ID

Rather than receiving all messages, you can specify a message severity level that filters the types of messages written to the EBB Message Queue.

Each message is written only once. If the monitor becomes active after a delay, it will not write the same message again. The monitor checks the message queue to verify if the message exists before writing it again.

▶ To display the EBB Message Queue

On Electronic Burst and Bind

1. Choose Display EBB Message Queue.

2. On Display EBB Message Queue, change the message severity level and press Enter. The change affects the current inquiry only.
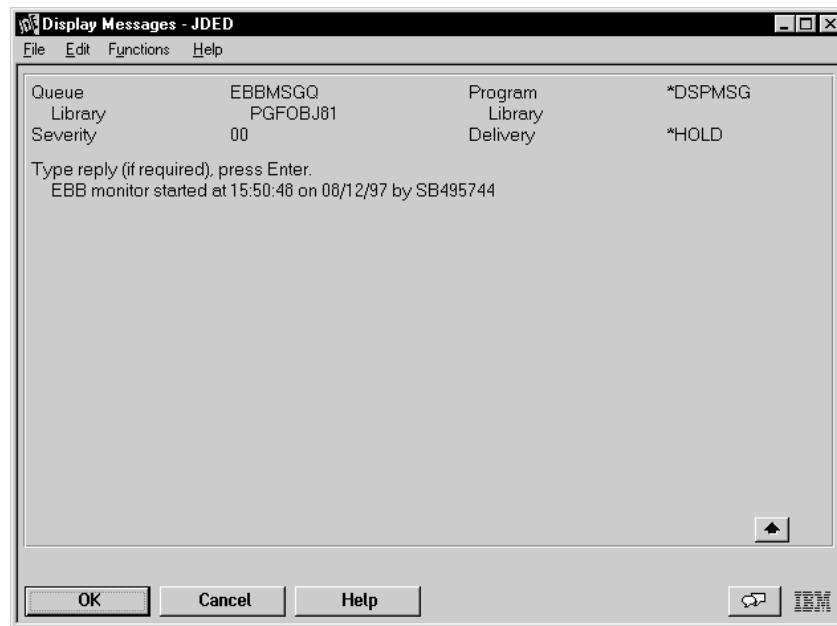
Function Keys

Use the Function keys to perform the following tasks:

F11   Remove a message on the line where the cursor appears.

F10   Display all messages. This includes messages regarding the starting and ending of the monitor, such as the time, date and by whom. These messages are repeated each time the monitor is started and ended.

F16   Remove all messages. Be certain to do this occasionally, especially if a large number of files are pending to be processed.

See Also

- *Appendix C - EBB Messages* for a complete list of messages and corresponding severity levels.

Clear the EBB History Log

Clearing the EBB History Log

EBB maintains a history log of information on report distribution in the cross-reference file, F98E04. The cross reference file contains a record of every function for each spool file the monitor processes, similar to a cumulative process report for all versions.

The EBB History Log includes:

- processing type, such as attached Parameter, Default or Error
- select key
- output queue
- output library name
- output spool file name
- sequence number
- date and time it was processed
- user ID
- job name/number
- version ID

Because this file can quickly become very large, J.D. Edwards recommends that you clear the log file periodically. You can clear the log through a specific date.

▶ **To clear the EBB History Log**

On Electronic Burst and Bind

1. Choose Clear History Log.

2. Enter the date through which the history log should be cleared. Enter the date in the format, MMDDYY.

   The following message appears:

   > Parameters OK - press F10 to continue

3. Press F10. The Electronic Burst and Bind menu appears.

View the EBB Process Report

Viewing the EBB Process Report

Each time the monitor processes reports, it generates a process report in the output queue, EBBFINAL. Even if you have routed the reports to another output queue, EBBFINAL still receives the process report.

The process report indicates a status of HLD and reflects one of the following messages:

- Routed other than to Default
- Routed to Default Outq
- Routed to Error Outq

The report prints totals for the number of select keys with a print routing function attached, the number of reports sent to the setup default output queue, and the number of reports routed to an error output queue because new select keys were found when bursting the report.

The error output queue contains reports burst with no routing instruction. For example, a new cost center was added to a report after the original setup in EBB. Because no select key exists for that cost center, you must add a select key or preload select keys before you burst to correct future reports.

The Enter column might contain the following letters:

- P - indicates that routing function are attached.
- D - designates the default output queue.
- E - specifies the error output queue. Notice that the OUTQ column displays the name of the output queue.

Appendices

Appendix A - Tips and Techniques

Refer to this appendix for information on how to:

- Display the J.D. Edwards release level
- Override same spool file names with % menu
- Correct inconsistent page breaks on FASTR reports
- Print and hold a spool file
- Change the form type
- Change user data attributes
- Perform duplex printing
- Send spool files across network

Display the J.D. Edwards Release Level

On the command line, type DSPJDELVL and press enter.

Override Same Spool File Names with % Menu

EBB needs uniquely named spool files. On batch job submissions, such as a % menu, use the Printer File Override and the Spool File Name options to override the identical spool file names these batch jobs produce.

Correct Inconsistent Page Breaks on FASTR Reports

The header pages for some FASTR reports might be inconsistent, which creates a problem when EBB compares the header pages for bursting and binding. To solve this problem, you can code the programs to display the page break data on the top left of each page of a report.

If you experience inconsistent header pages that EBB must use to burst and bind reports, contact the J.D. Edwards Customer Support. Differences in software versions may require additional assistance to apply these program changes.

Print and Hold a Spool File

Create a routing function, HOLDFILE, with the following command string:

HLDSPLF FILE(&) JOB(&/&/&) SPLNBR(*ONLY) OPTION(*IMMED)%

Change the Form Type

Create a routing function, CHGFORMTYPE, with the following command string:

CHGSPLFA FILE(&) JOB(&/&/&) SPLNBR(&) FORMTYPE(&)%

FORMTYPE can be hard coded in Parm 6. The first five parms are reserved.

Change User Data Attributes

Create a routing function, CHGUSRDTA, with the following command string:

CHGSPLFA FILE(&) JOB(&/&/&) SPLNBR(&) CHGUSRDTA(&)%

Perform Duplex Printing

Add the DUPLEX routing function to the Select Key as follows:

CHGSPLFA FILE(&) JOB(&/&/&) SPLNBR(&) DUPLEX(*YES)%

Send Spool Files Across Network

Send spool files from one AS/400 in a network to another AS/400. Accomplish this with a SNDNETSPL FILE command. The question mark between the two positional parameters for the TOUSRID key word is a place hold to reserve a blank space which is required for the key word format.

SNDNETSPLF FILE(&) TOUSRID(&?&) JOB(&/&/&)%

Appendix B - Routing Functions

The following routing functions are included in the EBB package. You can modify any of the business functions as required.

DUPLEX   Change spool file option for duplex to Y - yes

FORMTYPE   Change spool file form type by entity

PRINT   Change OUTQ and copies for print

J.D. Edwards recommends that you add the following functions using the change spool file attribute command, CHGSPLFA:

COPYF   Copy spool file

FORM   Change spool file form type

FORM400   Change spool file form type to FORM400

HOLDFILE   Hold spool file

PRTSAV   Save spool file

Appendix C - EBB Messages

This list contains Electronic Burst and Bind messages along with the level of severity and message text for each.

Message ID	Severity	Message Text
EBB0002	0	Last Record is Displayed
EBB0003	0	First Record is Displayed
EBB0004	10	Invalid Library, File, or Member Name
EBB0005	10	Valid Library Name Required
EBB0006	10	Valid Source File Name Required
EBB0007	10	Valid Member Name Required
EBB0008	10	Valid Output Queue Required
EBB0009	0	Parameters OK - press F10 to continue
EBB0010	10	AS/400 Model Number not found in program table
EBB0011	10	AS/400 Model Serial Number contains an invalid character
EBB0013	10	Customer Number not found on Address Book
EBB0014	0	Software Authorization has been logged
EBB0016	10	First-Time Installation must be Y or N
EBB0017	10	At least one library must be specified to contain EBB data files
EBB0018	10	At least one library must be specified containing the J D Edwards setup files
EBB0019	0	Report Finished Successfully
EBB0020	10	Report DID NOT FINISH
EBB0021	0	Report Cancelled at User Request
EBB0022	10	Alpha or Date Sequence must be A or D
EBB0023	10	Re-install Backup response must be Y or yes or N for no
EBB0024	10	JDE Object Library must be specified

Message ID	Severity	Message Text
EBB0026	10	Target Release is not valid
EBB0027	10	Invalid Row Row must be between 1 and 57
EBB0028	10	Invalid Column Column must be between 1 and 198
EBB0029	10	Routing Description Invalid
EBB0030	10	Invalid Length Entered Length Must be Greater Than Zero For An ADD
EBB0031	10	Total Key Length Cannot Exceed 90 Positions
EBB0032	10	Invalid Delete, There are no records to be deleted
EBB0033	10	Sequence number already in use You may not duplicate sequence numbers
EBB0034	10	The key length selected can not be less than zero
EBB0035	10	Burst criteria must be on the same row
EBB0040	0	Preload Select Keys Is Running Please be patient
EBB0041	0	Pre Load Select Keys Has Completed, And Found xxx New Select Keys
EBB0042	10	Version xxx report xxx was not found in this OUTQ
EBB0043	10	Select Key Can Not Be Blank
EBB0044	10	Install to Separate Environment must be 'Y' or 'N'
EBB0045	10	Library not found Please check
EBB0046	10	EBB object library was found, and an initial install was requested Please check
EBB0047	10	EBB object library was not found, and a re-install was requested Please check
EBB8000	10	All reports for version: xxx must be in OUTQ EBBSTART and in Ready Status
EBB8001	20	No Functions Found For Version ID: xxx
EBB8003	10	EBB Spool File Not In Ready Status For Version ID
EBB8004	0	No EBB version found for spool file with userdata
EBB8005	10	Error in the Substitute Select Key process (See second level text)
EBB8006	10	Error in the Substitute Select Key process (See second level text)
EBB8007	10	Error in the Substitute Select Key process (See second level text)
EBB8008	10	Rebuild Cross Reference must be 'Y' or 'N'
EBB8009	10	If Rebuild is yes, a DREAM Writer Version must be entered

Message ID	Severity	Message Text
EBB8010	10	Table Name must be entered
EBB8011	10	Enter a 'Y' or 'N' in the Print Key field
EBB8012	10	Print Row must be between 1 and 99
EBB8013	10	Print Position must be between 1 and 191
EBB8014	10	Print Length must be between 1 and 191
EBB8015	10	Date is not valid Please check
EBB8900	10	Invalid Version ID entered
EBB9000	0	EBB monitor started at [time] on [date] by [xxx]
EBB9001	0	EBB monitor ended at [time] on [date] by [xxx]
EBB9002	10	The EBB Monitor is Already Active
EBB9801	20	F0090 was not found in any of the selected common libraries
EBB9802	20	F9200 was not found in any of the selected common libraries
EBB9803	20	F9220 was not found in any of the selected common libraries
EBB9804	20	F9601 was not found in any of the selected common libraries
EBB9805	20	F9611 was not found in any of the selected common libraries
EBB9806	20	F9620 was not found in any of the selected common libraries
EBB9807	20	F9621 was not found in any of the selected common libraries
EBB9808	20	F9801 was not found in any of the selected common libraries
EBB9809	20	F98301 was not found in any of the selected common libraries
EBB9810	20	F0020 was not found in any of the selected common libraries
EBB9811	20	F9800 was not found in any of the selected common libraries
EBB9900	0	EBB Software Installation Completed Successfully
EBB9904	10	Library EBBLIB already exists - reinstall not requested
EBB9905	10	Library EBBLIB does not exist - reinstall requested
EBB9906	0	EBB Create Demo Tape finished successfully
EBB9907	10	EBB Demo Tape Create DID NOT COMPLETE
EBB9908	0	EBB Create Demo Tape cancelled by user request
EBB9909	10	Library specified for the JDE object library does not exist
EBB9910	10	System Code 98E is already in use on your system

Message ID	Severity	Message Text
EBB9912	10	Delay Time may not be zero or negative
EBB9913	10	EBB JOBQ Name may not be left blank
EBB9914	10	Invalid JOBQ Specified
EBB9915	10	Invalid Receiving OUTQ
EBB9916	10	Invalid Error OUTQ
EBB9917	10	Invalid Default JDE Dream Writer Source Library
EBB9918	10	Invalid JDE Dream Writer Source File
EBB9919	10	Invalid Function
EBB9920	10	Duplicate Version ID
EBB9921	10	You Must Enter A Version ID
EBB9922	10	You Must Enter A Version Description
EBB9923	10	Invalid Selection Must Be (Y,N)
EBB9924	10	The Demo Reports may not have loaded correctly
EBB9931	10	Auxiliary Storage Pool must be 1 - 16
EBB9932	0	EBB data file library xxx created
EBB9933	0	EBB data area EBBFIL# created in library xxx
EBB9934	0	EBB data area QEBB created in library xxx
EBB9935	0	EBB File F98E01 created in library xxx
EBB9936	0	EBB File F98E02 created in library xxx
EBB9937	0	EBB File F98E04 created in library xxx
EBB9938	0	EBB File F98E06 created in library xxx
EBB9939	0	EBB File F98E06 converted from Version 1x in library xxx
EBB9940	0	EBB File F98E07 created in library xxx
EBB9941	0	EBB File F98E07 merged with old data in library xxx
EBB9942	0	EBB File F98E08 created in library xxx
EBB9943	0	EBB File F98E08I created in library xxx
EBB9944	0	EBB File F98E09 created in library xxx
EBB9945	0	EBB File F98E11 created in library xxx
EBB9946	0	EBB File F98E20 created in library xxx

Message ID	Severity	Message Text
EBB9947	0	EBB File F98E21 created in library xxx
EBB9948	0	EBB File F98E21 converted from Version xxx in library xxx
EBB9949	0	EBBOUTQ EBBERRQ created in library xxx
EBB9950	0	EBBOUTQ EBBSTART created in library xxx
EBB9951	0	EBBOUTQ EBBFINAL created in library xxx
EBB9952	0	EBBMSGQ EBBMSGQ created in library xxx
EBB9953	0	EBBJOBD EBBJOBD created in library xxx
EBB9954	0	This job will delete EBB install libraries. Do you want to proceed? (Y or N)
EBB9988	20	EBB Software Installation DID NOT COMPLETE-call support
EBB9989	0	EBB Software Installation cancelled by user request

Appendix D - EBB Examples

This appendix uses examples to reinforce information in this guide. It contains complete instructions to compile, collate, and distribute reports. Use these examples to assist you in working with Electronic Burst and Bind. The examples include:

❏ Producing a basic report version

❏ Producing an advanced report version

Before You Begin

❏ Run the Electronic Burst and Bind menu option, Generate Demo Spool Files.

Producing a Basic Report Version

The following example shows you how to setup a basic EBB version. The example produces a general ledger report, separated by account category and then routes each burst report to a different output queue.

To produce the Basic Report Version, complete the following tasks:

- Moving spool reports to EBBSTART
- Ending the EBB monitor
- Adding a new version ID
- Adding the spool file to the version
- Identifying the burst area
- Loading the data in the burst area
- Creating a routing function
- Assigning routing functions
- Starting the EBB Monitor
- Checking messages
- Checking the output files

Moving Spool Reports to EBBSTART

You must move the desired spool reports to the EBBSTART output queue. The Electronic Burst and Bind menu option, Generate Demo Spool Files, provides you with the following three spool files:

- DEMO_RPT1
- DEMO_RPT2
- DEMO_RPT3

This example uses DEMO_RPT1. The spool file is in RDY status.

If necessary, change the User Data Spool File Attribute to the name you will use for the EBB version ID. In this example, DEMO1 is the attribute name in the spool file, DEMO_RPT1. Since the spool file attribute and name are satisfactory, do not change either.

Ending the EBB Monitor

Before you create an EBB version, ensure that the EBB monitor is not active.

▶   **To end the EBB monitor**

On Electronic Burst and Bind


```
[G98E] - Electronic Burst and Bind - (J.D. Edwards & Company)
Functions   Menu Functions   Tools   Help

Tue, Aug 12, 1997        A8.1 Development W/ANALYZER        SB495744
  9:19:22am              (C) J.D.Edwards & Co 1985,1996             QPADEV0079
                                                                   JDED

        MONITOR                              REPORTS
   2   Start EBB Monitor              14   Version Information Report
   3   End EBB Monitor                15   Entity/Functions Reports
   4   Display EBB Message Queue

        MAINTENANCE                          SETUP
   7   Maintain EBB Versions          19   EBB Setup File Maintenance
   8   Maintain EBB Functions         20   Clear History Log
   9   Rebuild Substitute Table       21   Generate Demo Spool Files
```
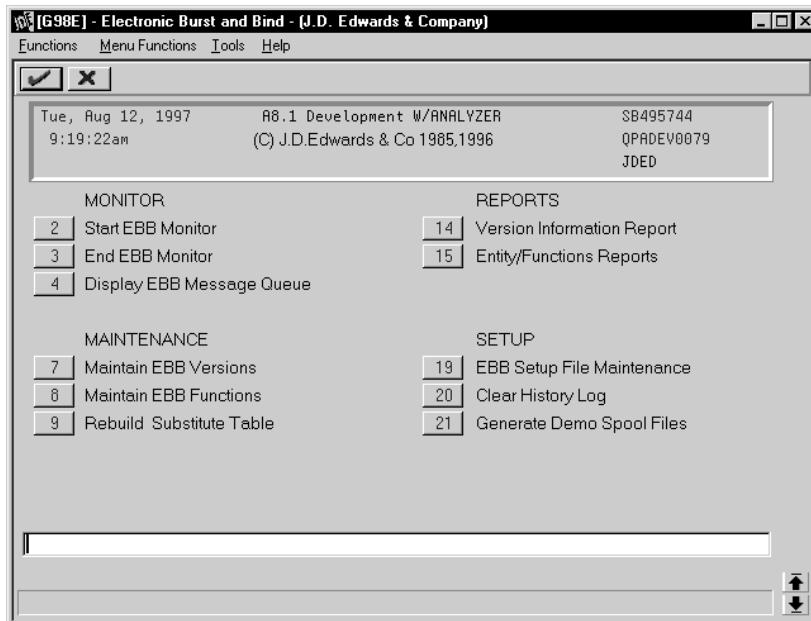
1. Choose End EBB Monitor.
2. Choose Display EBB Message Queue. The following message appears:

EBB monitor ended

3. Press Enter to return to Electronic Burst and Bind.

Adding a New Version ID

The EBB Setup File contains the default job and output queues which EBB uses. The EBB Setup File also stores other default information, such as the monitor delay time and the location of J.D. Edwards source.

See Also

- *Electronic Burst and Bind Versions*

▶ **To add a new version ID**
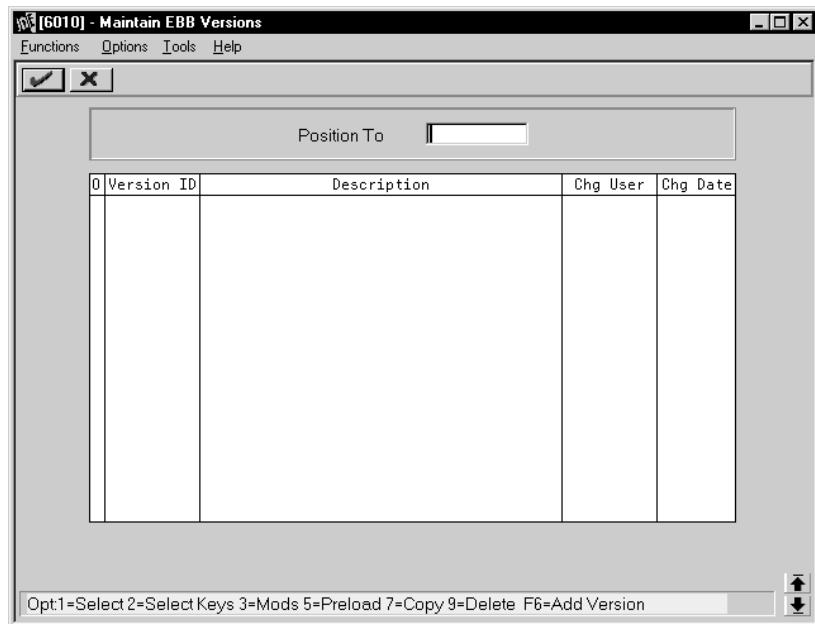
On Electronic Burst and Bind

1. Choose Maintain EBB Versions

1. Press F6.
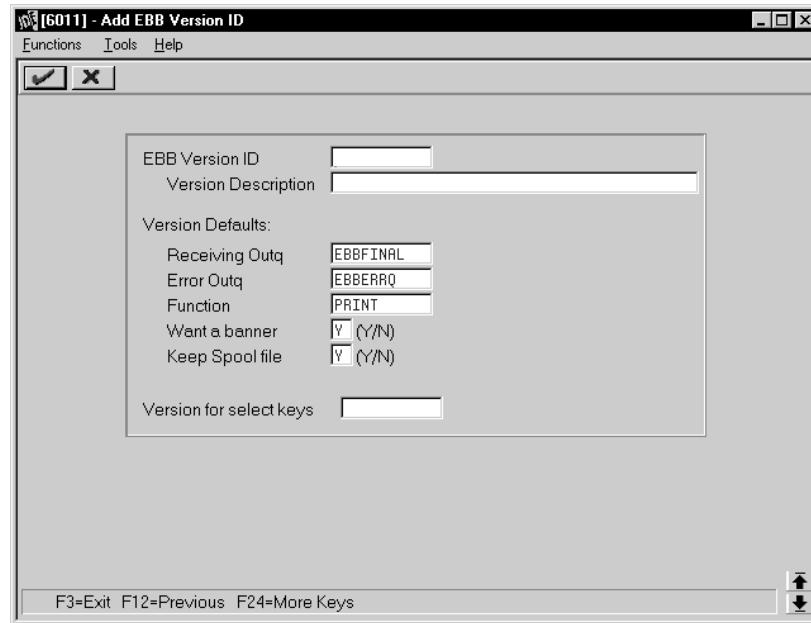
```
┌─────────────────────────────────────────────────────────────────┐
│ ▓▓[6011] - Add EBB Version ID                          _ □ ✕     │
│ Functions   Tools   Help                                          │
│ ┌────┬────┐                                                       │
│ │ ✔  │ ✕  │                                                       │
│ └────┴────┘                                                       │
│                                                                   │
│         EBB Version ID          [            ]                    │
│            Version Description  [                            ]     │
│                                                                   │
│         Version Defaults:                                         │
│            Receiving Outq       [EBBFINAL]                        │
│            Error Outq           [EBBERRQ ]                        │
│            Function             [PRINT   ]                        │
│            Want a banner        [Y] (Y/N)                         │
│            Keep Spool file      [Y] (Y/N)                         │
│                                                                   │
│            Version for select keys   [         ]                  │
│                                                                   │
│                                                              ┌─┐  │
│                                                              │▲│  │
│ ┌───────────────────────────────────────────────────────┐  ├─┤  │
│ │ F3=Exit  F12=Previous  F24=More Keys                   │  │▼│  │
│ └───────────────────────────────────────────────────────┘  └─┘  │
└─────────────────────────────────────────────────────────────────┘
```

2. On Add EBB Version ID, complete the following fields:

    - EBB Version ID

    - Version Description

    - Receiving Outq

    - Error Outq

    - Want a banner

    - Keep a Spool File

    - Version for select keys

    Enter DEMO1 for the EBB version ID. Notice that this corresponds with the User Data Spool File Attribute in the output queue.

    Enter EBB DEMO VERSION for the version description.

    Note the version defaults. Change them if necessary, and press enter.
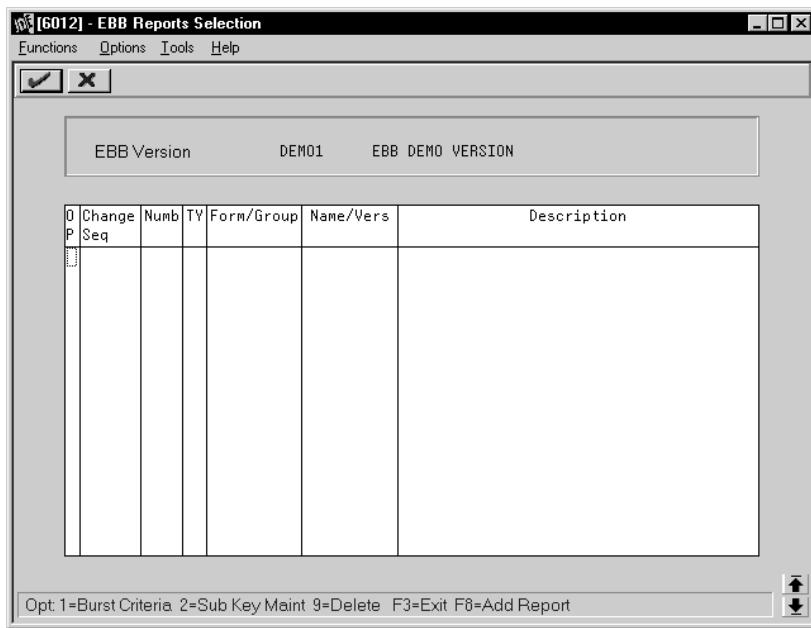
Adding the Spool File to the Version

After you create a new version ID, you are on EBB Reports Selection. If you returned to Maintain EBB Version, enter a 1 in the option column next to DEMO1. Now you are ready to add the spool file report to the version ID.

See Also

- *EBB Reports Selection*

▶ **To add the spool file to the version**
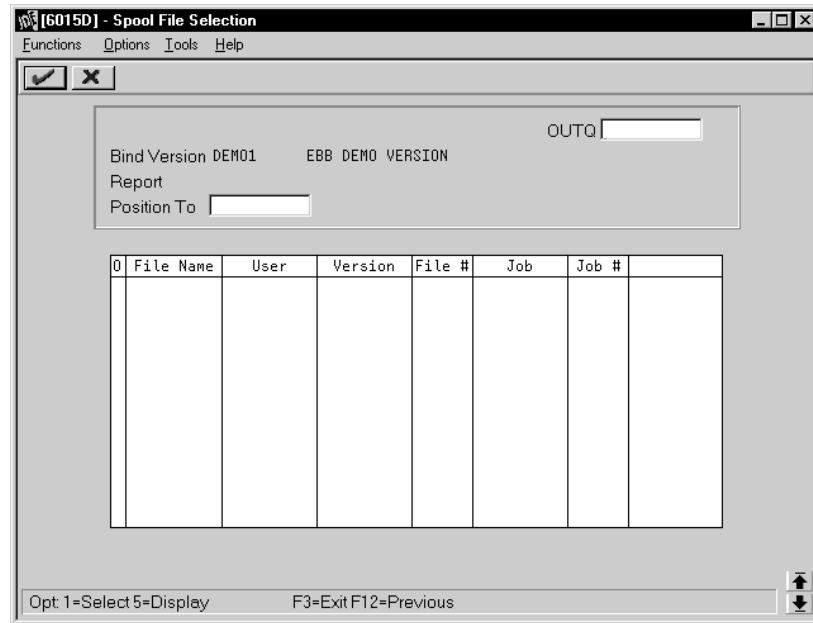
On EBB Reports Selection

1. Press F8.

```
[6015D] - Spool File Selection                              _ □ ×
Functions  Options  Tools  Help
 ✔  ✖

                                                OUTQ [        ]
         Bind Version DEM01     EBB DEMO VERSION
         Report
         Position To [        ]

         O  File Name    User    Version  File #    Job    Job #

Opt: 1=Select 5=Display          F3=Exit F12=Previous
```

2. On Spool File Selection, complete the following field:

   • OUTQ

   Enter the output queue name in which the spool file resides, EBBSTART.

3. On Spool File Selection, select the spool file by entering 1 next to DEMO_RPT1. Notice that 'Selected' appears on the far right next to the file.


```
[6015D] - Spool File Selection                              _ □ ×
Functions  Options  Tools  Help
 ✔  ✖

                                                OUTQ [EBBSTART ]
         Bind Version DEM01     EBB DEMO VERSION
         Report
         Position To [        ]

         O  File Name    User     Version  File #    Job     Job #
            DEMO_RPT1  SB495744            0001   EBB_RPT1  924540 Selected
            DEMO_RPT2  SB495744            0001   EBB_RPT2  924541
            DEMO_RPT3  SB495744            0001   EBB_RPT3  924542

Opt: 1=Select 5=Display          F3=Exit F12=Previous              MW
```
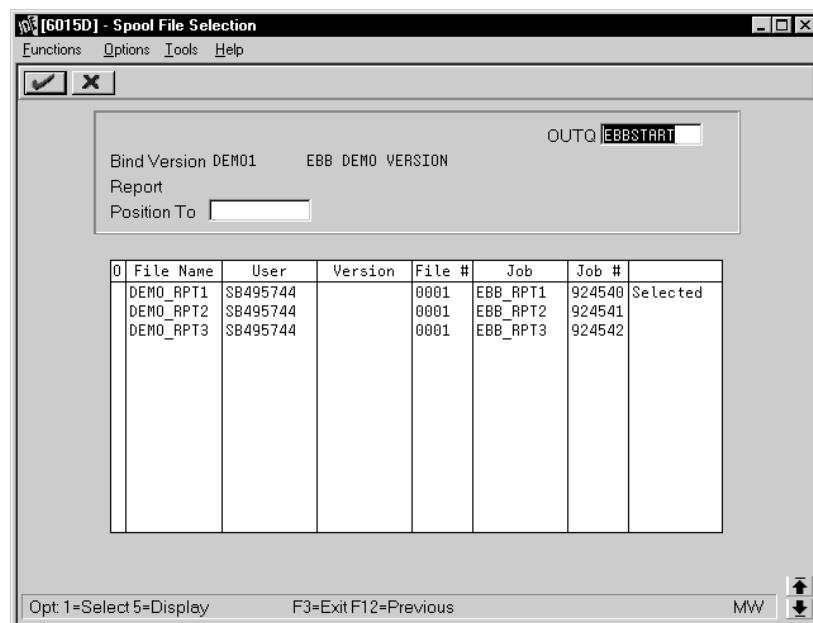
4. Press F3 to return to EBB Reports Selection. The report name DEMO_RPT1 appears in the versions report list. Now you are ready to identify the burst area.
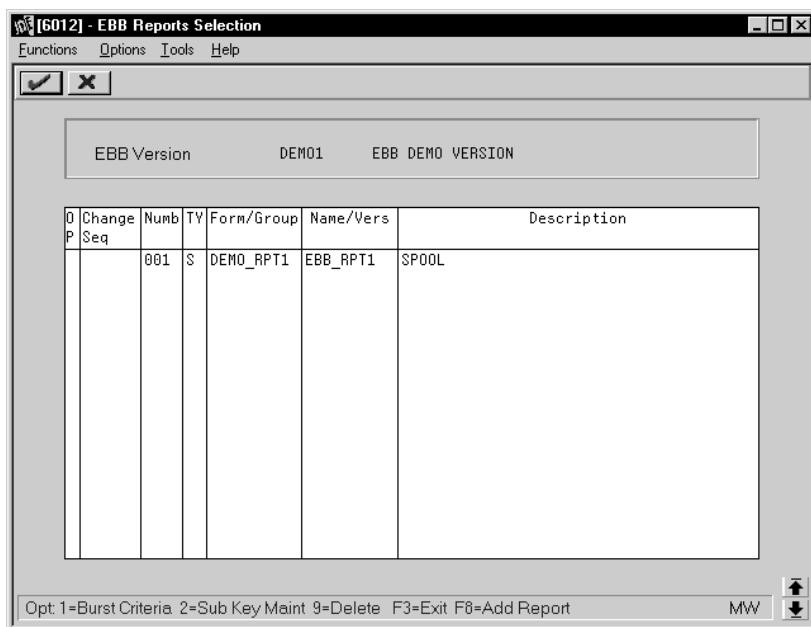
Identifying the Burst Area

After adding the spool file report to the version ID, you should be on the EBB Reports Selection menu. Now you are ready to identify the burst area.

You must identify the area on the report (not actual data or data values) for which EBB will burst the report. This example, instructs you to select the Account Category for the burst area.

See Also

- *Burst and Bind Criteria*

► **To identify the burst area**

On EBB Reports Selection

1. Select DEMO_RPT1 by entering a 1 in the option column.
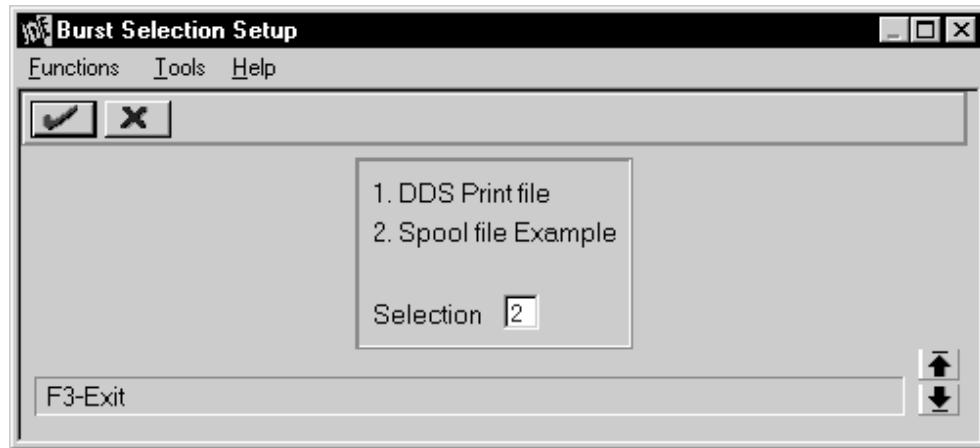
2. On Burst Selection Setup, enter 2 for the spool file example.

3. On Spool File Selection, enter EBBSTART for the output queue.

4. Enter 1 next to DEMO_PRT1. The first page of the report appears.
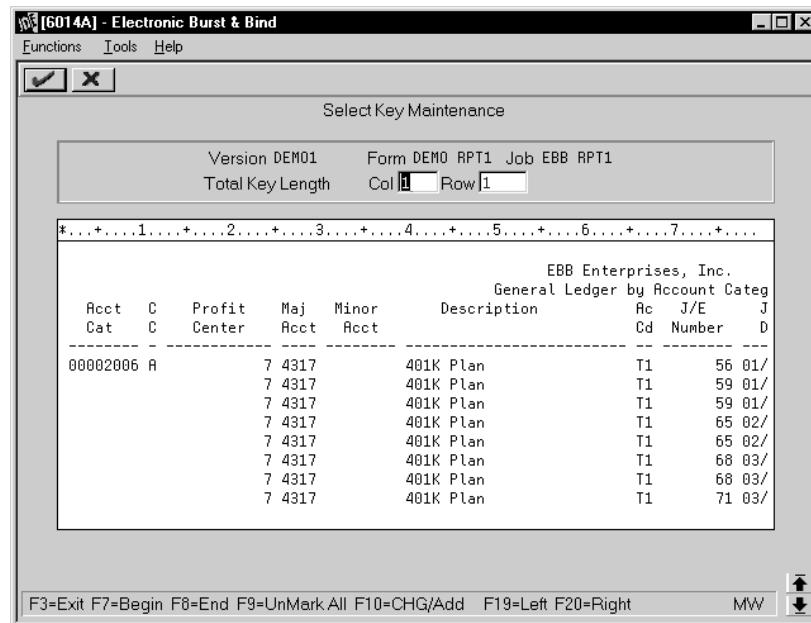
5. Move the mouse pointer to the space immediately before the Account Category data area 00002006, and press F7. The data 00002006 and the remainder of the report appear highlighted.

6. Move the mouse pointer to the space immediately after 00002006 and press F8. Only the data 00002006 appear highlighted. The burst area is defined.
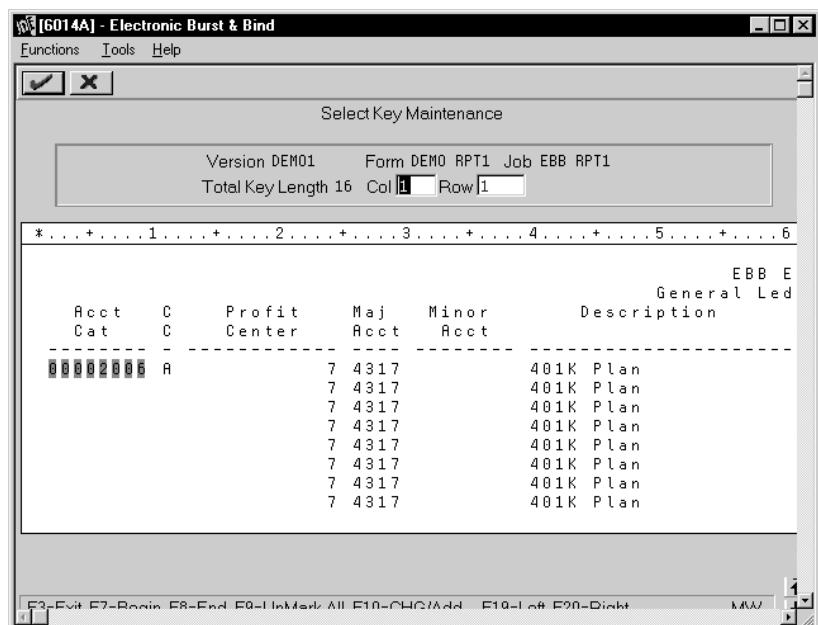
To verify the bust area, press F10. The area described on the popup window should be in row 006, column 002, and have a length of 008. If your form does not reflect this, press F9 to clear the burst area. Then repeat steps 5 and 6.
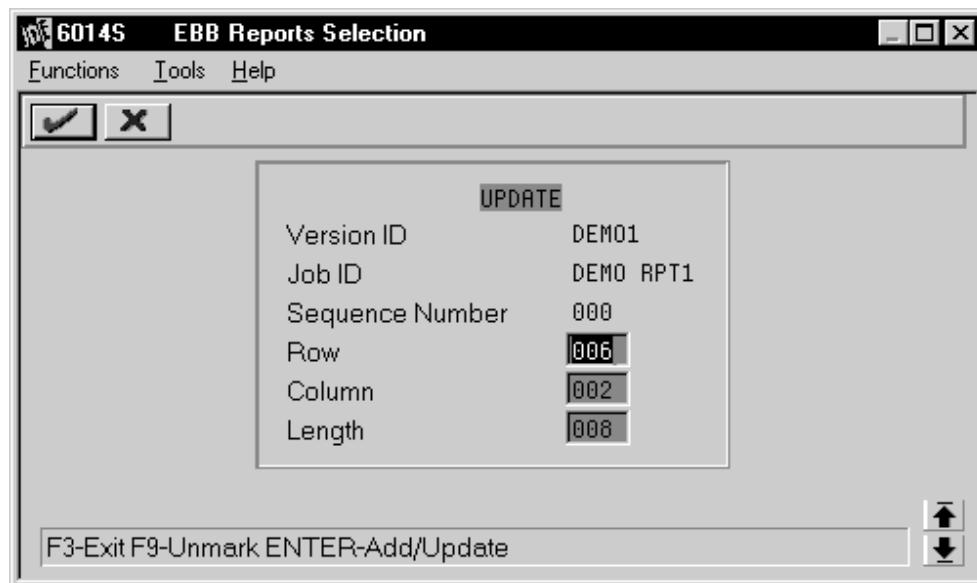
7. Press F3 to return to Spool File Selection.

Loading Data in the Burst Area

After identifying the burst area, you should be on Spool File Selection. Now you are ready to load the data contained in the burst area. This creates select keys for the EBB version.

See Also

- *Select Keys*

▶ **To load data in the burst area**

On Spool File Selection

1. To load the select keys, enter 7 next to DEMO_RPT1.
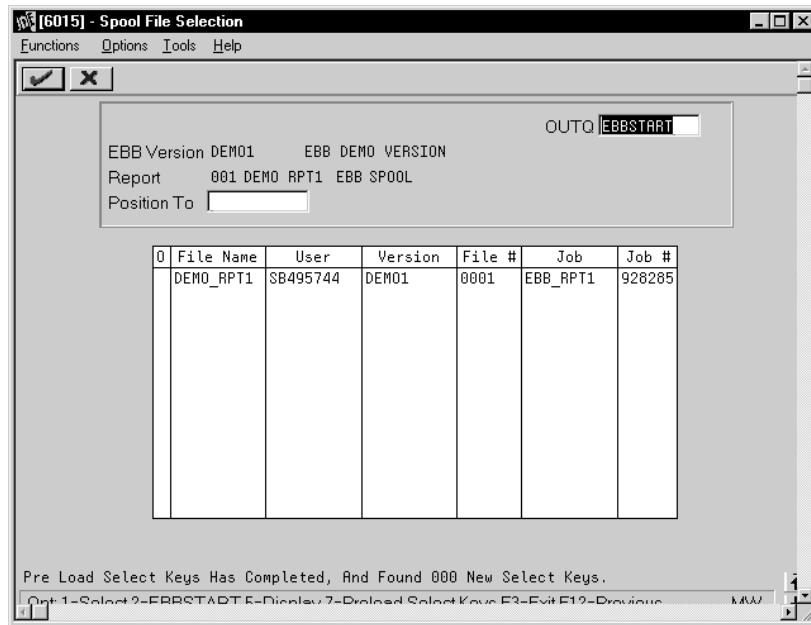
2. When the job completes, the following message appears:

   Pre Load Select Keys Has Completed, And Found nnn New Select Keys

3. Press F3 until you return to Electronic Burst and Bind.

Creating a Routing Function

After loading data in the burst area, you should be on Electronic Burst and Bind. Now you are ready to create a routing function.

Create a new routing function named PRINT2. The initial PRINT function will be modified in this example.

See Also

- *Create a Routing Function from Another Function*

▶ **To create a routing function**

On Electronic Burst and Bind

1. Choose Maintain EBB Functions. The list of available routing functions appears on Maintain EBB Functions.


```
[6025] - Maintain EBB Functions                              _ □ ×
Functions   Options   Tools   Help

 ✔  ✗

                        Position To

O    Function                  Description
P      Name
     CHGFORMTYP
     PRINT
     SNDNETSPLF Spool File Name




Option: 1=Select to Maintain  F6=Create New Function F24=More Keys      MW
```
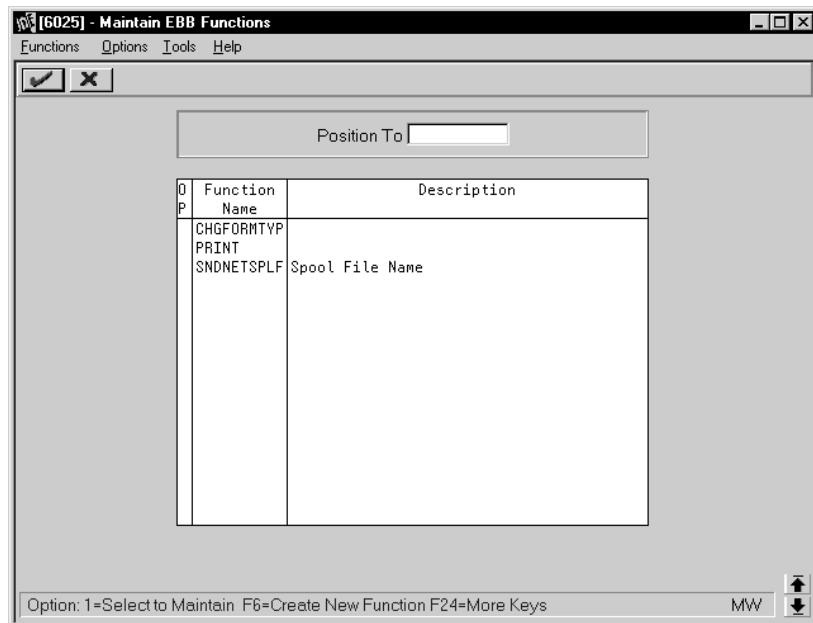
2. On Maintain EBB Functions, enter 1 next to the PRINT function. The PRINT function parameters appear on EBB Maintain Function Description.
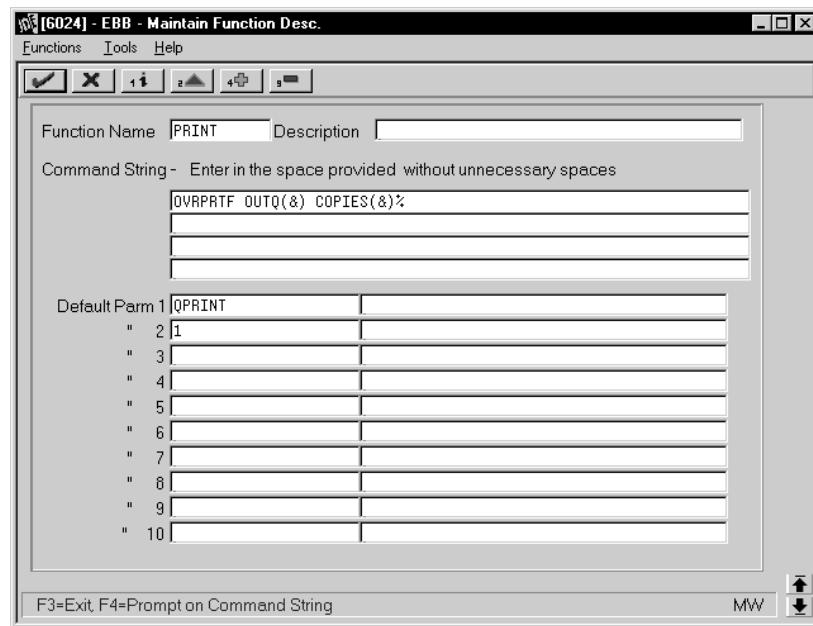
3.   Change Function Name to PRINT2 as follows:
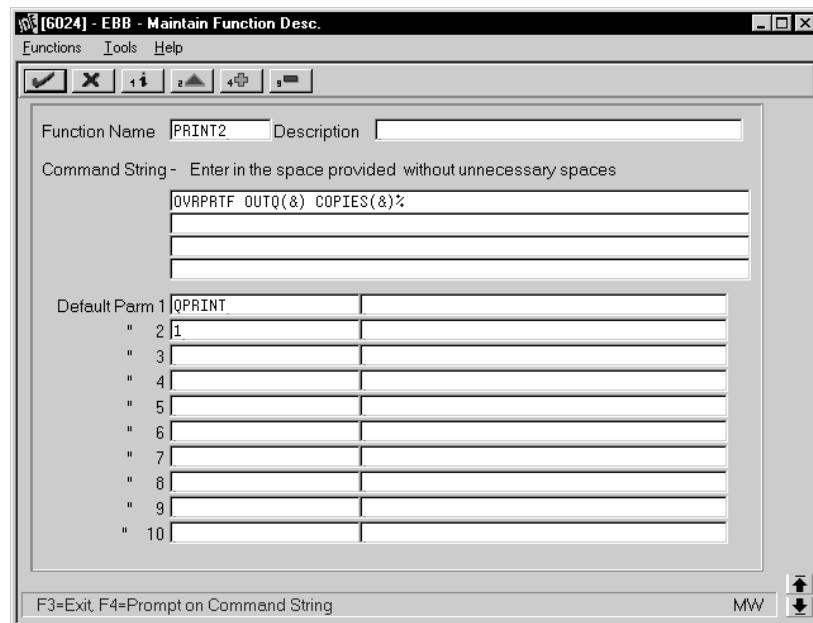
4.   Press F3. Notice that PRINT2 is now in the function list on Maintain EBB Functions.

```
[6025] - Maintain EBB Functions                                    _ □ ×
Functions   Options   Tools   Help

 ✔   ✗

                          Position To [          ]

          O   Function              Description
          P     Name
          CHGFORMTYP
          PRINT
          PRINT2
          SNDNETSPLF  Spool File Name

                                                                      ▲
                                                                      ▼
 Option: 1=Select to Maintain  F6=Create New Function F24=More Keys   MW  ▼
```
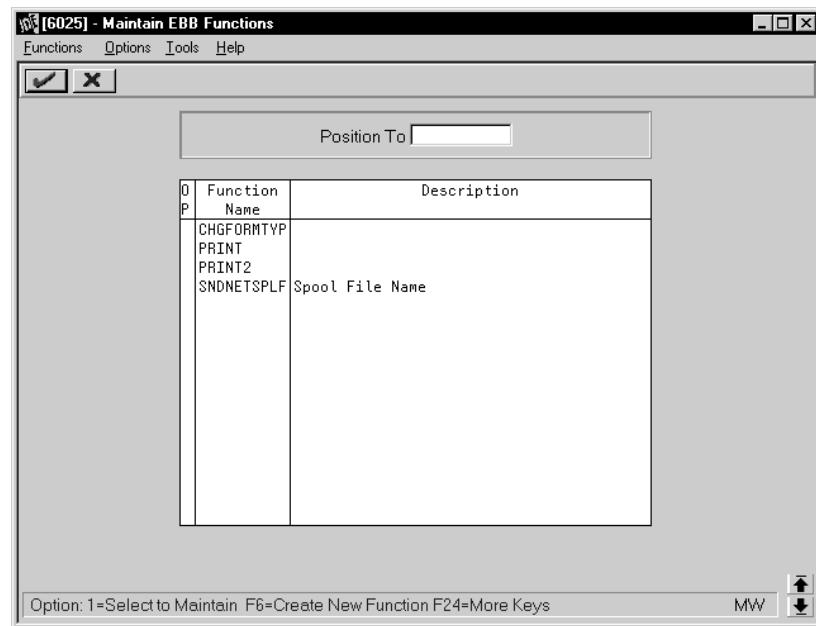
5. Press F3 to return to Electronic Burst and Bind.

Assigning Routing Functions

After creating a routing function, you should be on the Electronic Burst and Bind Menu. Now you are ready to determine where each select key will be routed. Add routing functions as needed.

See Also

- *Assigning a Routing Function*

▶ **To assign routing functions**

On Electronic Burst and Bind

1. Select Maintain EBB Versions.

2. On Maintain EBB Versions, enter 2 in the option column next to DEMO1.

   The select keys that are loaded for the report appear on Select Key Maintenance.
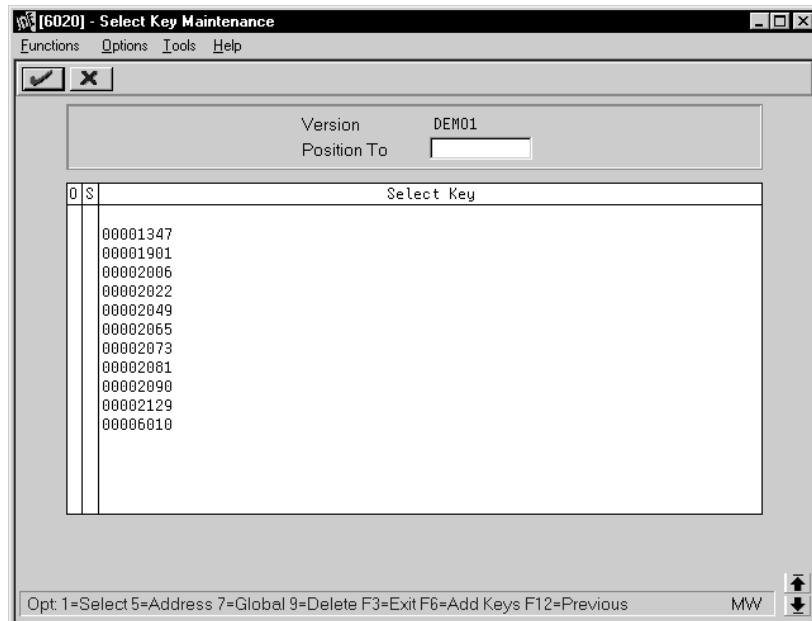
```
[6020] - Select Key Maintenance                              _ □ X
Functions   Options   Tools   Help
 ✔   ✘

                          Version        DEMO1
                          Position To    [          ]

 O S                            Select Key

     00001347
     00001901
     00002006
     00002022
     00002049
     00002065
     00002073
     00002081
     00002090
     00002129
     00006010




Opt: 1=Select 5=Address 7=Global 9=Delete F3=Exit F6=Add Keys F12=Previous     MW
```

3. Enter 1 in the option column for the select key to which you want to assign a function. For this example, work with select key, 00002006.
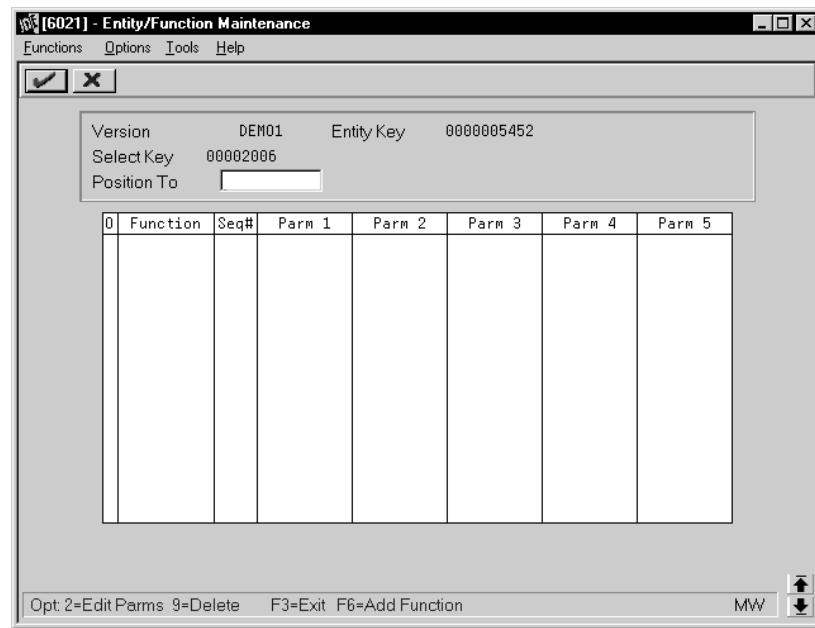
4. Press F6. Information for the PRINT function appears on Entity/Function Parms Maintenance.
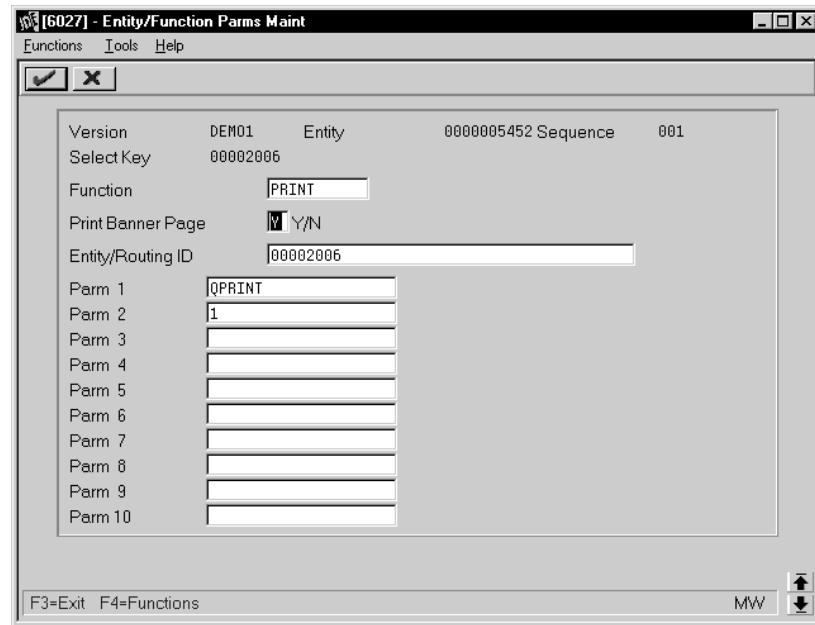
5. Press Enter.

6. Press F3 twice to return to Select Key Maintenance. Notice an * appears next to the select key, indicating that a routing function is attached to the select key.

```
[6020] - Select Key Maintenance                                    _ □ ×
Functions  Options  Tools  Help

  ✔  ✗

                           Version       DEM01
                           Position To  [          ]

  O S │                          Select Key
    │
    │  00001347
    │  00001901
  * │  00002006
    │  00002022
    │  00002049
    │  00002065
    │  00002073
    │  00002081
    │  00002090
    │  00002129
    │  00006010


Opt: 1=Select 5=Address 7=Global 9=Delete F3=Exit F6=Add Keys F12=Previous    MW
```
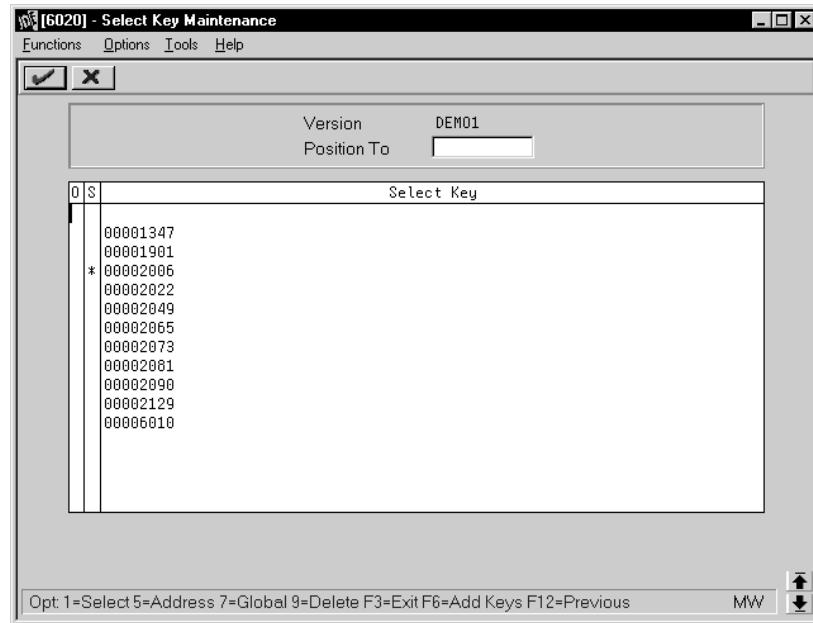
7. On Select Key Maintenance, enter 1 next to the same select key.
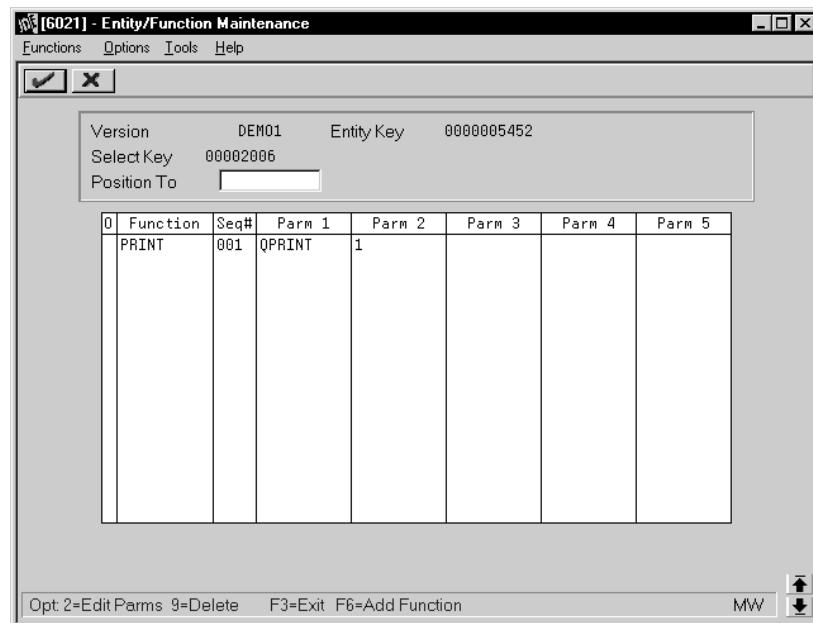
```
[6021] - Entity/Function Maintenance                               _ □ ×
Functions  Options  Tools  Help

  ✔  ✗

    Version       DEM01       Entity Key     0000005452
    Select Key    00002006
    Position To  [          ]

  O│ Function │Seq#│ Parm 1 │ Parm 2 │ Parm 3 │ Parm 4 │ Parm 5
   │ PRINT    │001 │QPRINT  │1       │        │        │
   │          │    │        │        │        │        │



Opt: 2=Edit Parms  9=Delete     F3=Exit  F6=Add Function             MW
```

8. On Entity/Function Maintenance, press F6. Fields appear blank on
    Entity/Function Parms Maintenance.
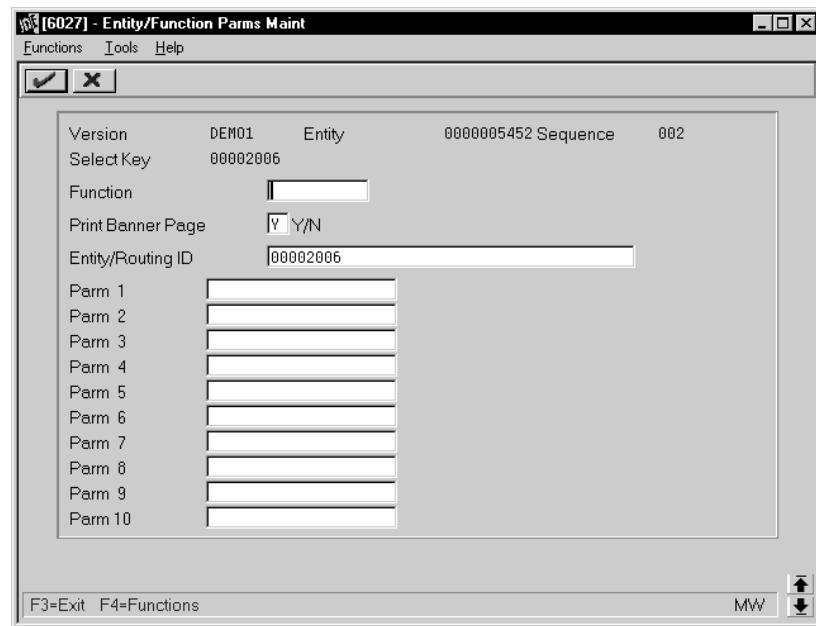
9. To display the additional routing functions, press F4.
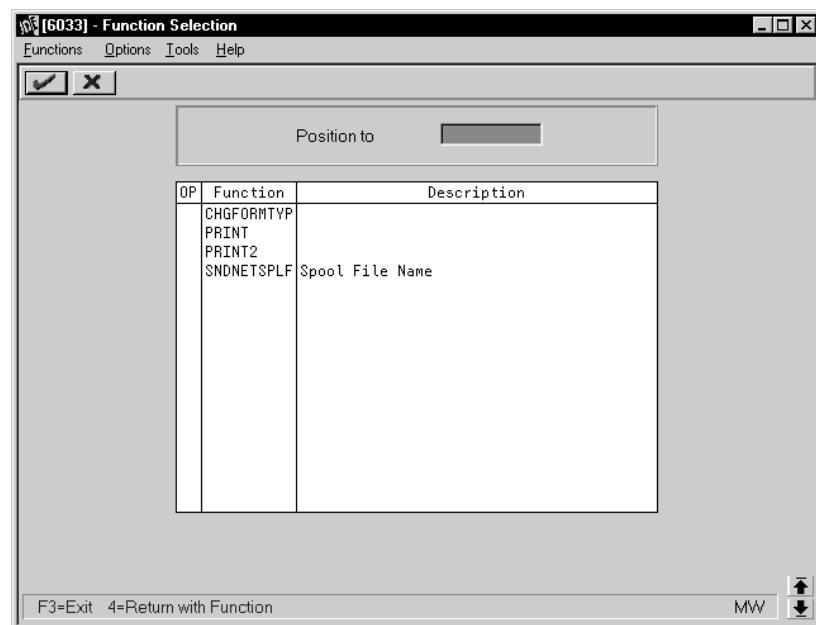
10. Enter 4 next to the PRINT2 function.

```
┌─────────────────────────────────────────────────────────────────────┐
│ [6027] - Entity/Function Parms Maint                         _ □ X   │
│ Functions  Tools  Help                                               │
│ ┌───┐┌───┐                                                           │
│ │ ✔ ││ ✘ │                                                           │
│ └───┘└───┘                                                           │
│  ┌─────────────────────────────────────────────────────────────┐    │
│  │ Version        DEM01     Entity      0000005452 Sequence  002 │    │
│  │ Select Key     00002006                                       │    │
│  │ Function              ┌PRINT2 ┐                               │    │
│  │ Print Banner Page     │Y│ Y/N                                 │    │
│  │ Entity/Routing ID     ┌00002006                         ┐     │    │
│  │ Parm  1   ┌QPRINT    ┐                                         │    │
│  │ Parm  2   │1         │                                         │    │
│  │ Parm  3   │          │                                         │    │
│  │ Parm  4   │          │                                         │    │
│  │ Parm  5   │          │                                         │    │
│  │ Parm  6   │          │                                         │    │
│  │ Parm  7   │          │                                         │    │
│  │ Parm  8   │          │                                         │    │
│  │ Parm  9   │          │                                         │    │
│  │ Parm 10   │          │                                         │    │
│  └─────────────────────────────────────────────────────────────┘    │
│ F3=Exit  F4=Functions                                    MW          │
└─────────────────────────────────────────────────────────────────────┘
```
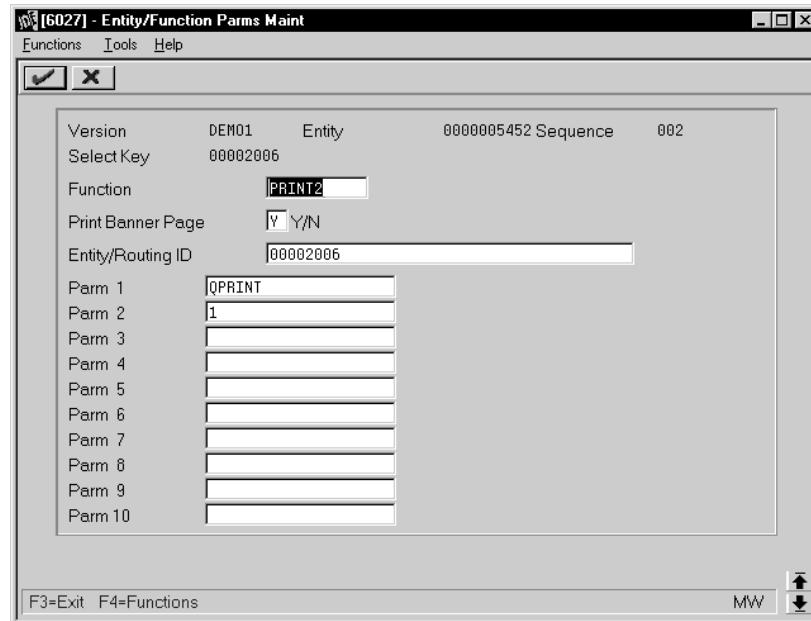
11. On Entity/Function Parms Maintenance, change the output queue to EBBFINAL and press Enter.

12. Press F3. The routing functions PRINT and PRINT2 appear on Entity/Function Maintenance.

```
┌─────────────────────────────────────────────────────────────────────┐
│ [6021] - Entity/Function Maintenance                         _ □ X   │
│ Functions  Options  Tools  Help                                      │
│ ┌───┐┌───┐                                                           │
│ │ ✔ ││ ✘ │                                                           │
│ └───┘└───┘                                                           │
│  ┌─────────────────────────────────────────────────────────────┐    │
│  │ Version        DEM01     Entity Key    0000005452            │    │
│  │ Select Key     00002006                                       │    │
│  │ Position To    ┌          ┐                                   │    │
│  └─────────────────────────────────────────────────────────────┘    │
│  ┌──┬─────────┬────┬────────┬────────┬────────┬────────┬────────┐   │
│  │O │Function │Seq#│ Parm 1 │ Parm 2 │ Parm 3 │ Parm 4 │ Parm 5 │   │
│  │  │PRINT    │001 │QPRINT  │1       │        │        │        │   │
│  │  │PRINT2   │002 │EBBFINAL│1       │        │        │        │   │
│  │  │         │    │        │        │        │        │        │   │
│  └──┴─────────┴────┴────────┴────────┴────────┴────────┴────────┘   │
│ Opt: 2=Edit Parms  9=Delete    F3=Exit  F6=Add Function    MW        │
└─────────────────────────────────────────────────────────────────────┘
```
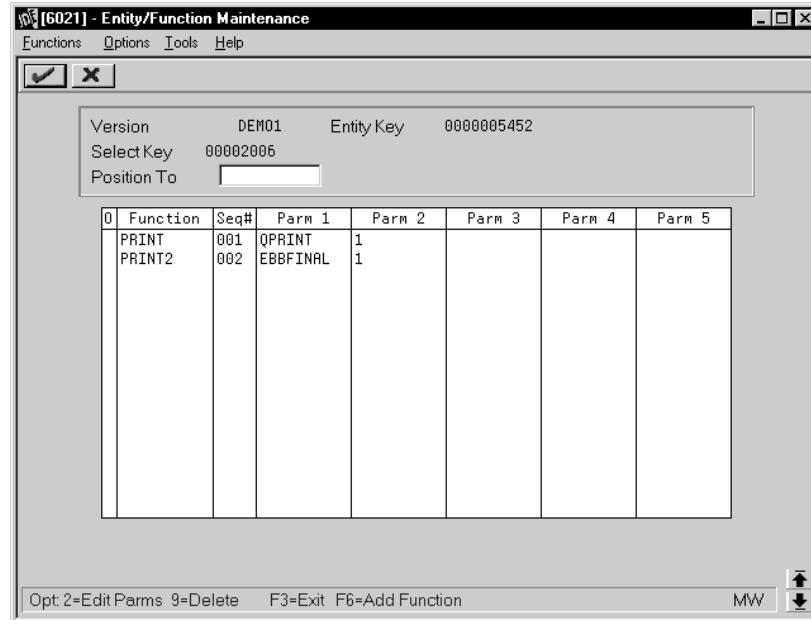
13. To return to Select Key Maintenance, press F3.

14. To add a new routing function to the second select key, repeat steps 3 through 11.

15. To return to Electronic Burst and Bind, press F3.

Starting the EBB Monitor

After assigning routing functions, you should be on the Electronic Burst and Bind menu. Now you are ready to start the monitor.

▶ **To start the EBB monitor**

On Electronic Burst and Bind

Choose Start EBB Monitor.

Checking Messages

Check messages periodically as the monitor processes the report, as well as the active jobs.

▶ **To check messages**

On Electronic Burst and Bind

Choose Display EBB Message Queue.

A message queue appears if problems arise while the monitor processes the reports. Because EBBSTART is the output queue for one of the burst reports, the monitor attempts to process the report. No EBB version exists for the report, and the monitor generates the following message:

No EBB Version found for spool file with userdata: P98E04

Disregard this message.

Checking the Output Files

Check the EBBFINAL output queue for the burst, original, and process report, R98E04. View the process report, R98E04, to see which spool files were created for the select keys, the spool file IDs, and output queues. The number of reports created in the default queue - EBBFINAL, the error queue - EBBERRQ, and other output queues - EBBSTART appear on the process report.

A separate report exists for each select key, as well as the other two select keys for the additional routing functions you added. Print or view the reports in EBBFINAL and EBBSTART to see how the reports were burst and how the banner pages were created. Check any reports that can have been created in EBBERRQ.

When EBB has finished processing, stop the monitor. When the reports are available in EBBFINAL, the EBB job is finished. You can check the active jobs as well. When the monitor has returned to a delay status, EBB has finished processing.

Producing an Advanced Report Version

The following example shows you how to set up a more advanced EBB version. In this example, two reports are created monthly that should be burst and bound by manager. The Annual Revenue by Manager Report will be combined with the Profit Analysis by Region Report. The second report does not display the manager field. However, because each region reports to a specific manager, a cross-reference between the region and the manager codes can be built. EBB can then burst both reports by manager and bind them to be routed properly.

To produce the Advanced Report Version, complete the following tasks:

- Moving spool reports to EBBSTART
- Ending the EBB monitor
- Adding a new version ID
- Adding the spool file to the version
- Identifying the burst area
- Loading the data in the burst area
- Setting up a substitute select key cross-reference in DREAM Writer
- Defining a substitute select key
- Creating a routing function
- Assigning routing functions
- Starting the EBB Monitor
- Checking messages
- Checking the output files

Moving Spool Reports to EBBSTART

You must move the desired spool reports to the EBBSTART output queue. The Electronic Burst and Bind menu option, Generate Demo Spool Files, provides you with the following three spool files:

- DEMO_RPT1
- DEMO_RPT2
- DEMO_RPT3

This example uses reports, DEMO_RPT2 and DEMO_RPT3. The spool files are in RDY status.

Ending the EBB Monitor

Before you create an EBB version, ensure that the EBB monitor is not active.

▶ **To end the EBB monitor**

On Electronic Burst and Bind

1. Choose End EBB Monitor.

2. Choose Display EBB Message Queue. The following message appears:

   EBB monitor ended

Adding a New Version ID

The EBB Setup File contains the default job and output queues which EBB will use. It also stores other default information, such as the monitor delay time and the location of J.D. Edwards source.

▶ **To add a new version ID**

On Electronic Burst and Bind

1. Choose Maintain EBB Version.

2. Press F6.

3. On Add EBB Version ID, complete the following fields:

   - EBB Version ID
   - Version Description
   - Receiving Outq
   - Error Outq
   - Want a banner
   - Keep a Spool File
   - Version for select keys

   Enter DEMO2 for the EBB version ID. DEMO2 corresponds with the User Data Spool File Attribute in the output queue.

   Enter EBB DEMO VERSION 2 for the version description.

Adding the Spool File to the Version

After creating a new version ID, you are on EBB Reports Selection. If you returned to Maintain EBB Version, enter a 1 in the option column next to DEMO2. Now you are ready to add the spool file report to the version ID.

▶   **To add the spool file to the version**

On EBB Reports Selection

1. Press F8.

2. On Spool File Selection, complete the following field:

   •   OUTQ

   Enter the output queue name in which the spool file resides, EBBSTART.

3. On Spool File Selection, select a spool file by entering 1 next to the appropriate file. In this example, enter 1 next to DEMO_RPT2 and DEMO_RPT3. Notice that 'Selected' appears on the far right next to the files.

```
[6015D] - Spool File Selection                                    _ □ X
Functions   Options   Tools   Help

  ✔  ✖

                                               OUTQ EBBSTART

  Bind Version DEMO2      EBB DEMO VERSION 2
  Report
  Position To  |_____|

  O  File Name    User       Version   File #    Job       Job #
     DEMO_RPT1  SB495744   DEMO1     0001    EBB_RPT1   924540
     DEMO_RPT2  SB495744             0001    EBB_RPT2   924541 Selected
     DEMO_RPT3  SB495744             0001    EBB_RPT3   924542 Selected



Opt: 1=Select 5=Display        F3=Exit F12=Previous              MW
```
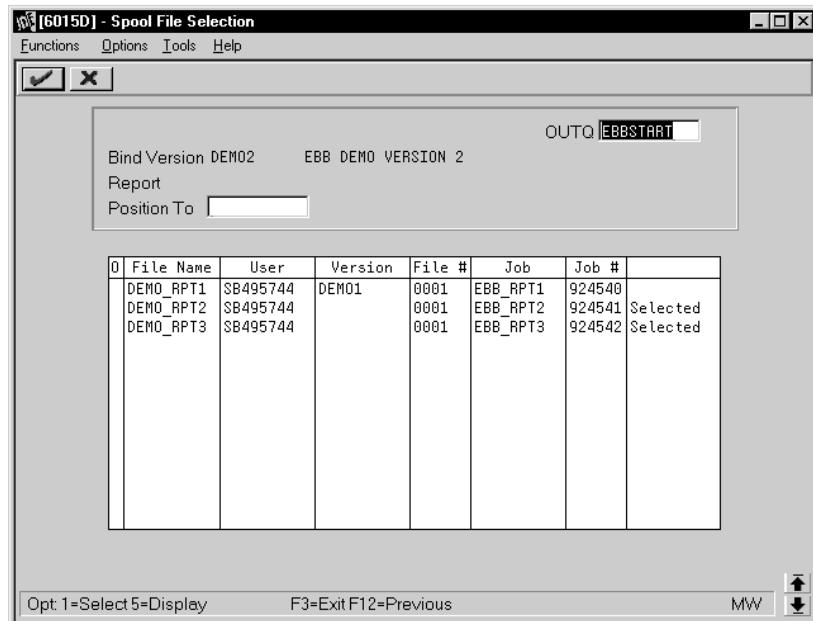
4. To return to EBB Reports Selection, press F3. The report names DEMO_RPT2 and DEMO_RPT3 appear in the versions report list. Now you are ready to identify the burst area.
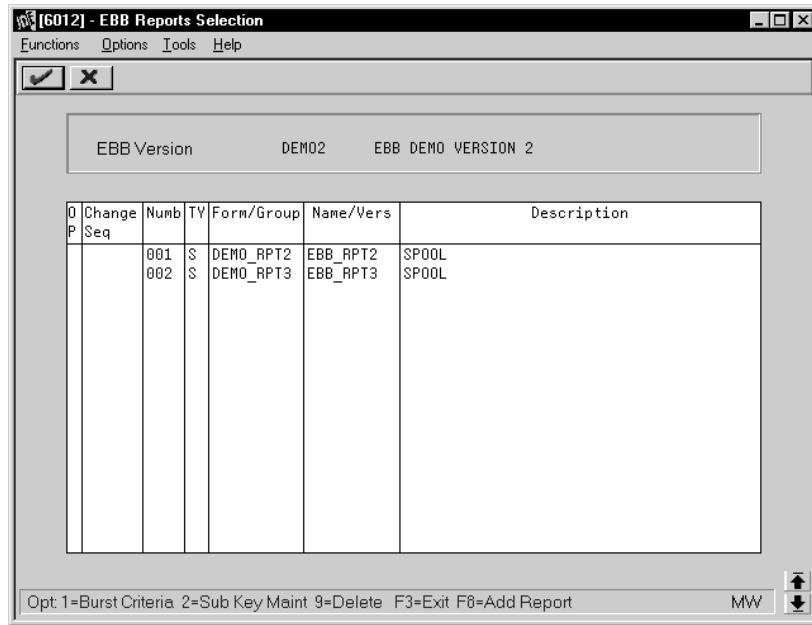
```
[6012] - EBB Reports Selection                                    _ □ ✕
Functions  Options  Tools  Help
┌──────┬──────┐
│  ✔   │  ✕   │
└──────┴──────┘

    ┌─────────────────────────────────────────────────────────────┐
    │  EBB Version          DEMO2     EBB DEMO VERSION 2            │
    └─────────────────────────────────────────────────────────────┘

    ┌──┬──────┬────┬──┬─────────┬─────────┬──────────────────────────┐
    │O │Change│Numb│TY│Form/Group│Name/Vers│      Description         │
    │P │Seq   │    │  │          │         │                          │
    ├──┼──────┼────┼──┼─────────┼─────────┼──────────────────────────┤
    │  │      │001 │S │DEMO_RPT2│EBB_RPT2 │SPOOL                     │
    │  │      │002 │S │DEMO_RPT3│EBB_RPT3 │SPOOL                     │
    │  │      │    │  │          │         │                          │
    │  │      │    │  │          │         │                          │
    └──┴──────┴────┴──┴─────────┴─────────┴──────────────────────────┘

Opt: 1=Burst Criteria  2=Sub Key Maint  9=Delete  F3=Exit  F8=Add Report    MW
```

Identifying the Burst Area

After adding the spool file report to the version ID, you should be on the EBB Reports Selection menu. Now you are ready to identify the burst area on each of the reports in this example. Perform the following tasks:

- Identifying the burst area on DEMO_RPT2

- Identifying the burst area on DEMO_RPT3

See Also:

- *Burst and Bind Criteria*

▶ To identify the burst area on DEMO_RPT2

On EBB Reports Selection

1. Enter a 1 in the option column for DEMO_RPT2.

2. On Burst Selection Setup, enter 2 for the spool file example.

3. On Spool File Selection, enter EBBSTART for the output queue.

4. Enter 1 next to DEMO_PRT2. The first page of the report appears.

5. Move the mouse pointer to the space immediately before the Manager data area JOE, and press F7. The data JOE and the remainder of the report appear highlighted.

6. Move the mouse pointer to the space immediately after JOE and press F8. The burst area is defined.

To verify the bust area, press F10. The area described on the popup window should be in row 006, column 004, and have a length of 003.

7. Press F3 until you return to EBB Reports Selection.

Now you are ready to define the burst area in the second report.

▶   **To identify the burst area on DEMO_RPT3**

On EBB Reports Selection

1. Enter a 1 in the option column for DEMO_RPT3.

2. On Burst Selection Setup, enter 2 for the spool file example.

3. On Spool File Selection, enter EBBSTART for the output queue.

4. Enter 1 next to DEMO_PRT3. The first page of the report appears.

5. Move the mouse pointer to the space immediately before the Region data area C, and press F7. The data C and the remainder of the report appear highlighted.

6. Move the mouse pointer to the space immediately after C (to allow for the field to be 3 digits long), and press F8. The burst area is defined.
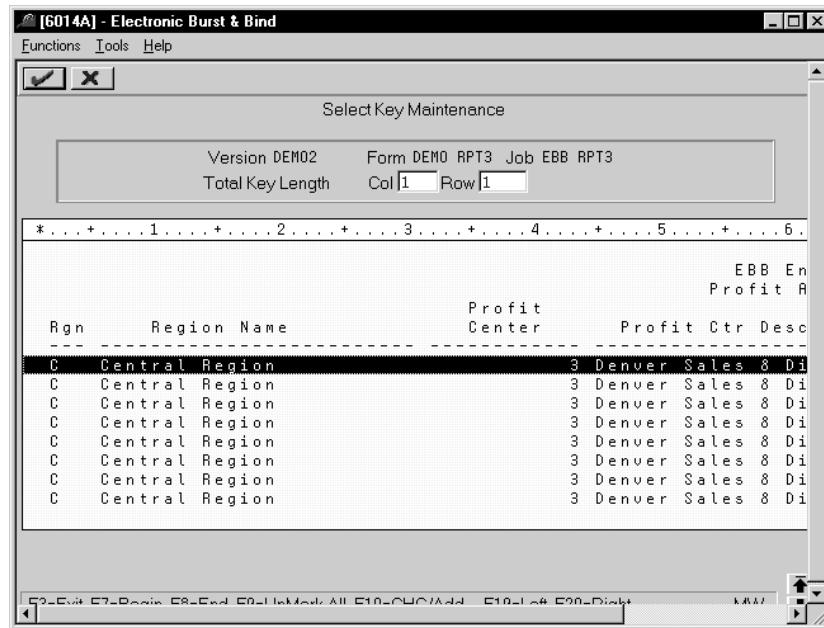
To verify the burst area, press F10. The area described on the popup window should be in row 006, column 002, and have a length of 003. Press F3.

7. Press F3 until you return to Maintain EBB Versions.

Loading Data in the Burst Area

After identifying the burst area, you should have returned to Maintain EBB Versions. Now you are ready to load the data contained in the burst area for DEMO_RPT2. This creates select keys for the EBB version.

Note: Do not load select keys for DEMO_RPT3 because uses a substitute select key.

▶   **To load data in the burst area**

On Maintain EBB Versions

1. To load the select keys, enter 5 next to DEMO2.

2. On Spool File Selection, enter EBBSTART for the output queue. Both DEMO_RPT2 and DEMO_RPT3 appear.

3. Enter 7 in the option column for DEMO_RPT2.
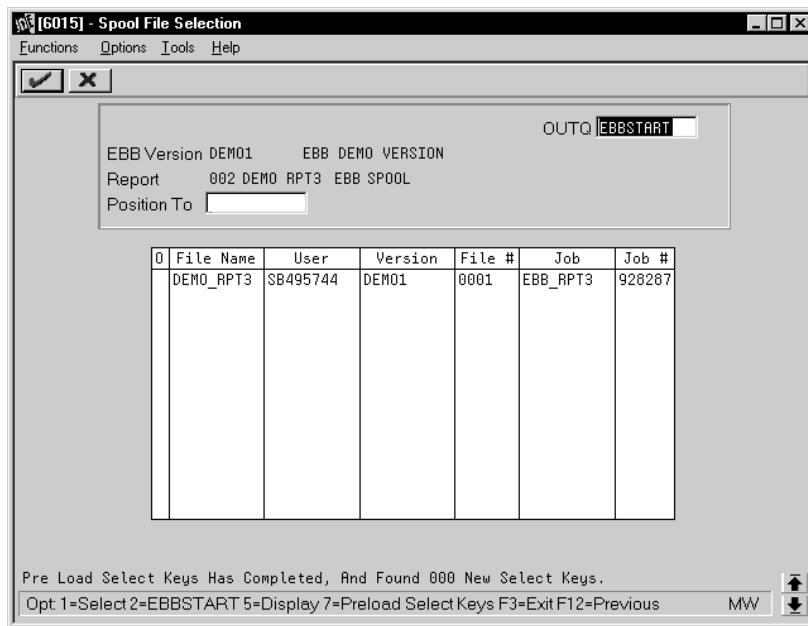
4. When the job completes, the following message appears:

   Pre Load Select Keys Has Completed, And Found nnn New Select Keys

5. Press F3 until you return to Electronic Burst and Bind.

Setting Up a Substitute Select Key Cross-Reference in DREAM Writer

The file F98E08 included in the installation package already contains the cross-reference table DEMO for use in this example.

See Also

- *Building the Substitute Select Key Cross-Reference*

Defining a Substitute Select Key

This example uses Manager to burst DEMO_RPT2 and DEMO_RPT3. However, Manager is included only on DEMO_RPT2. To burst DEMO_RPT3 on Manager, you must define a substitute select key using Region. Region is the data selected on DEMO_RPT3 and is the original select key in the cross-reference.

▶ **To define a substitute select key**

On Electronic Burst and Bind

1. Access the Maintain EBB Versions application.

2. On Maintain EBB Versions, select the DEMO2 version.

3. On EBB Reports Selection, enter 2 in the option column for DEMO-RPT3.

4. On Substitute Key Maintenance, complete the following fields:

    - Rebuild Cross-Reference

    - Table Number

    - Print Substitute Select Key?

    - Literal to Print

    - Print Row

    - Print Position

    - Print Length

    Type the values for these fields as shown below:
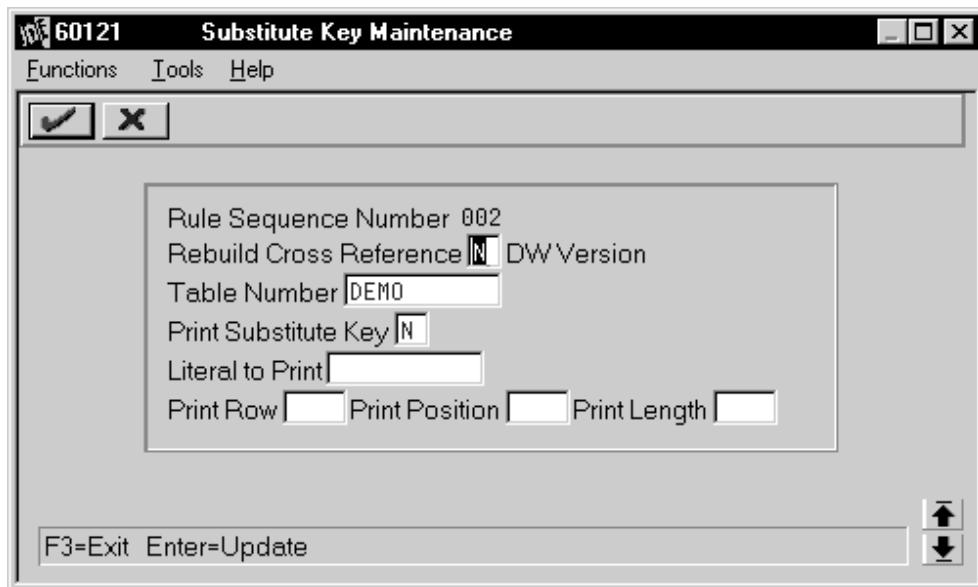
5. To update the substitute select key file, press Enter.

    EBB Reports Selection appears. The substitute key is defined.

6. To view the substitute key indicator, press F3 until you return to Maintain EBB Versions.

7. On Maintain EBB Versions, enter 1 in the option column for DEMO2.

    On EBB Reports Selection, the notation SK indicates that a substitute select key is defined.
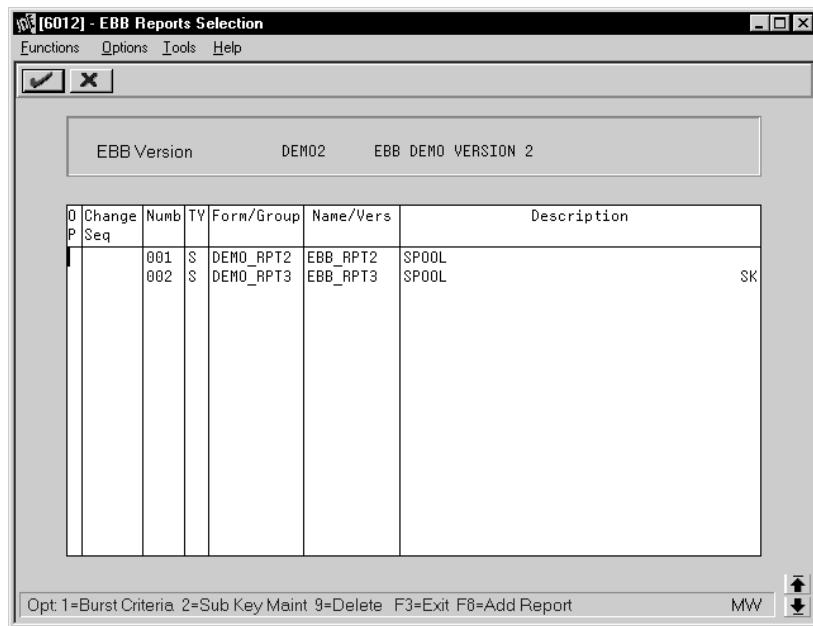
8. Press F3 until you return to the Electronic Burst and Bind menu.

Creating a Routing Function

Create a new routing function, xxx, for this example.

▶ **To create a routing function**

On Electronic Burst and Bind

1. Choose Maintain EBB Functions. Available routing functions appear on Maintain EBB Functions.

2. On Maintain EBB Functions, press F6. Blank fields appear on EBB Maintain Function Description.
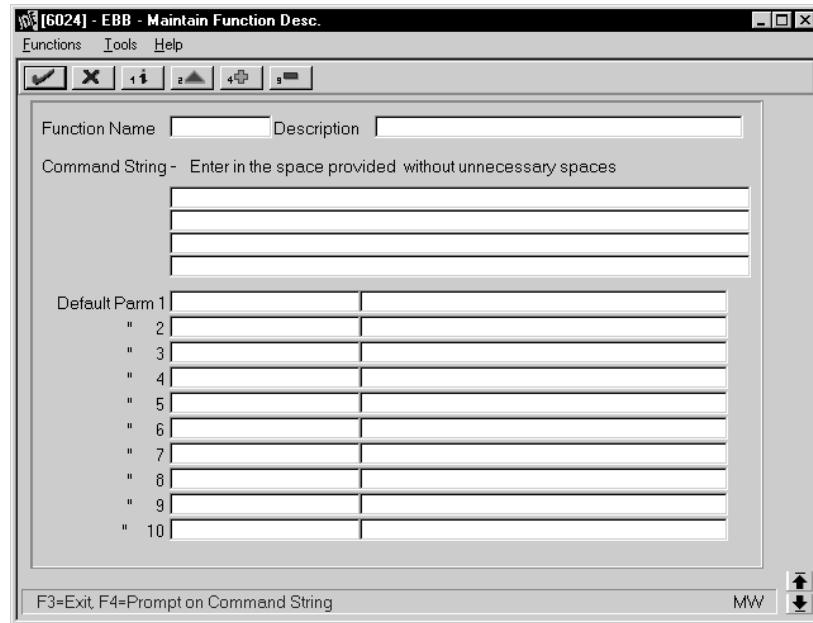
3. Complete the following fields:

    - Name

    - Description

    - Command String

    - Parameters

    In the Command String area, type:

    > chgsplfa file (&) job(&/&/&) splnbr(&) formtype(&)

    In Default Parameters 1 through 5, type:

    > *SPLNAM

    > *JOBNUM

    > *USER

    > *JOBNAM

    > XXXX (where XXXX = form type name)

    The fields should reflect the values as follows:
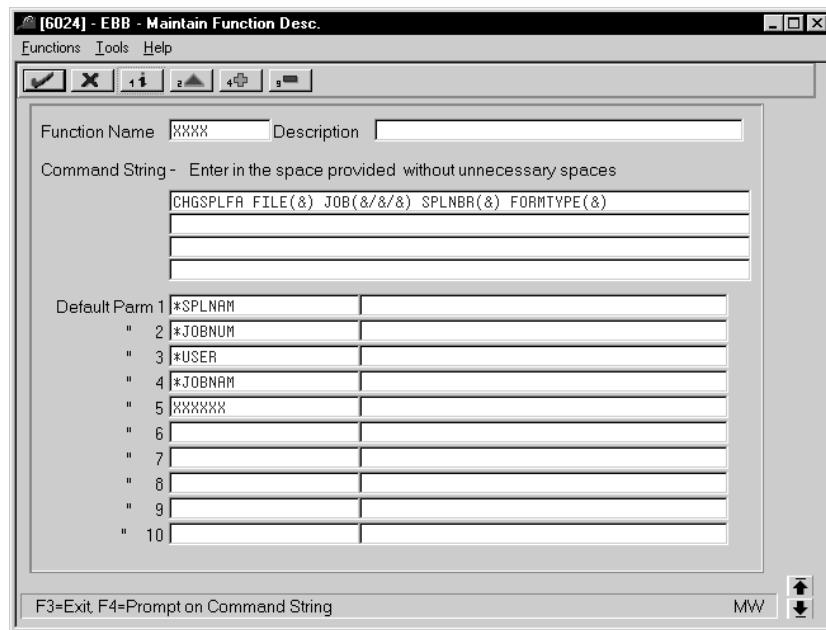
4. Press Enter.

5. Press F3. Notice that XXXX is now in the function list on Maintain EBB Functions.

   Notice that XXXX is now in the function list on Maintain EBB Functions.
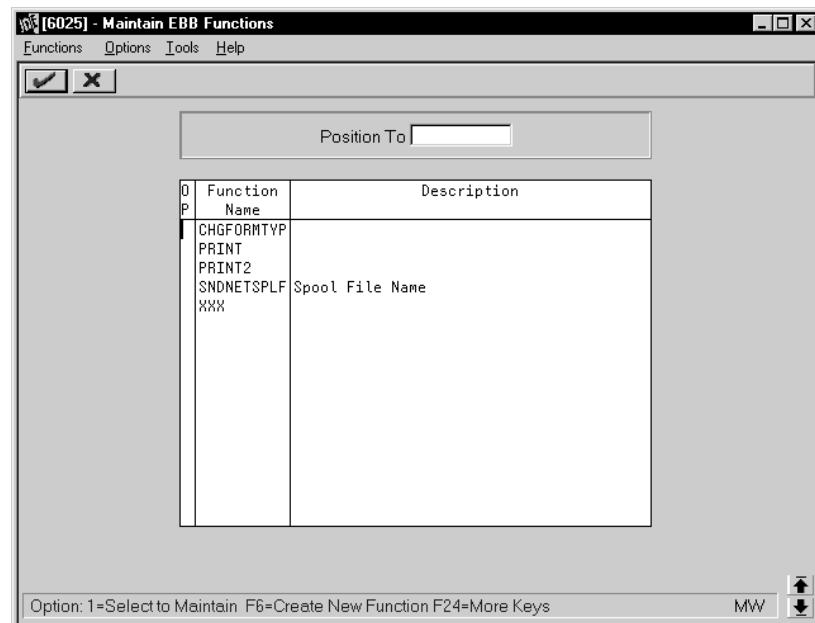
6. To return to Electronic Burst and Bind, press F3.

Assigning Routing Functions

Determine where each select key should be routed.

▶ **To assign routing functions**

On Electronic Burst and Bind

1. Choose Maintain EBB Versions.

2. On Maintain EBB Versions, enter 2 in the option column next to DEMO2.

    Select keys that are loaded for the report appear on Select Key Maintenance.
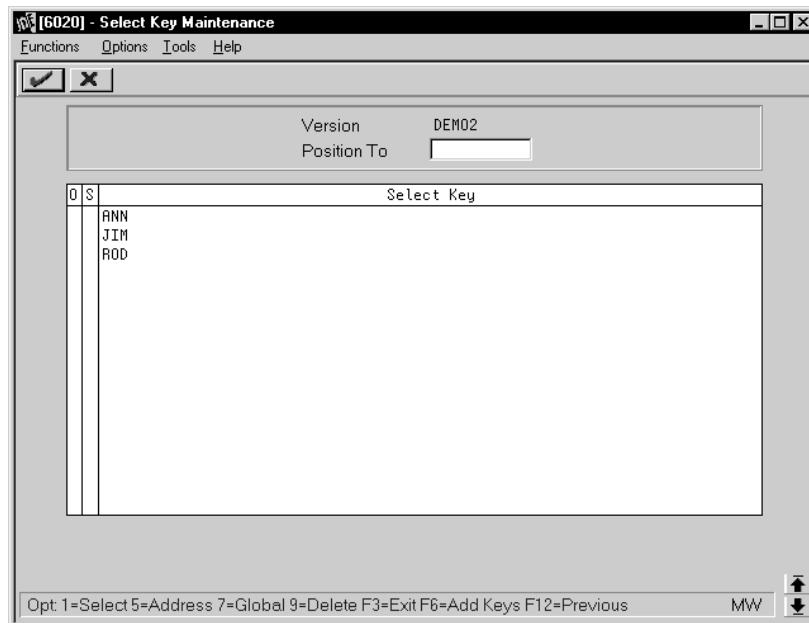
```
[6020] - Select Key Maintenance                              _ □ X
Functions   Options   Tools   Help

 ✔  ✘

                        Version       DEMO2
                        Position To   [          ]

 O S                              Select Key
     ANN
     JIM
     ROD




Opt: 1=Select 5=Address 7=Global 9=Delete F3=Exit F6=Add Keys F12=Previous    MW
```

3. Enter 1 in the option column for the select key to which you want to assign a function. For this example, work with select key, Ann.

```
[6021] - Entity/Function Maintenance
Functions  Options  Tools  Help

Version          DEMO2      Entity Key    0000005509
Select Key       ANN
Position To      [        ]

O | Function | Seq# | Parm 1 | Parm 2 | Parm 3 | Parm 4 | Parm 5
  |          |      |        |        |        |        |

Opt: 2=Edit Parms  9=Delete      F3=Exit  F6=Add Function        MW
```

4. Press F6. Information for the PRINT function appears on Entity/Function Parms Maintenance.


```
[6027] - Entity/Function Parms Maint
Functions  Tools  Help

Version          DEMO2      Entity        0000005509 Sequence    001
Select Key       ANN

Function              [PRINT    ]
Print Banner Page     [Y] Y/N
Entity/Routing ID     [ANN                        ]
Parm  1          [QPRINT    ]
Parm  2          [1         ]
Parm  3          [          ]
Parm  4          [          ]
Parm  5          [          ]
Parm  6          [          ]
Parm  7          [          ]
Parm  8          [          ]
Parm  9          [          ]
Parm 10          [          ]

F3=Exit  F4=Functions                                         MW
```
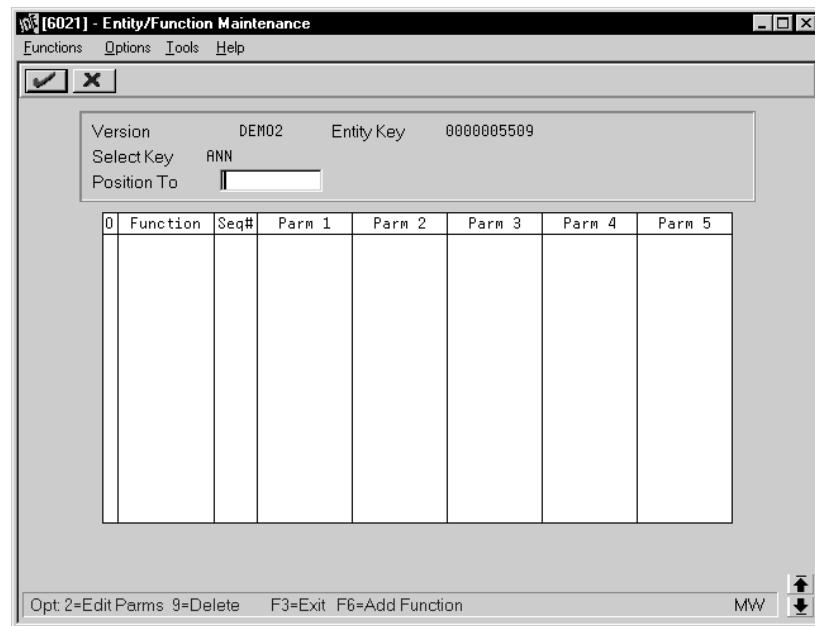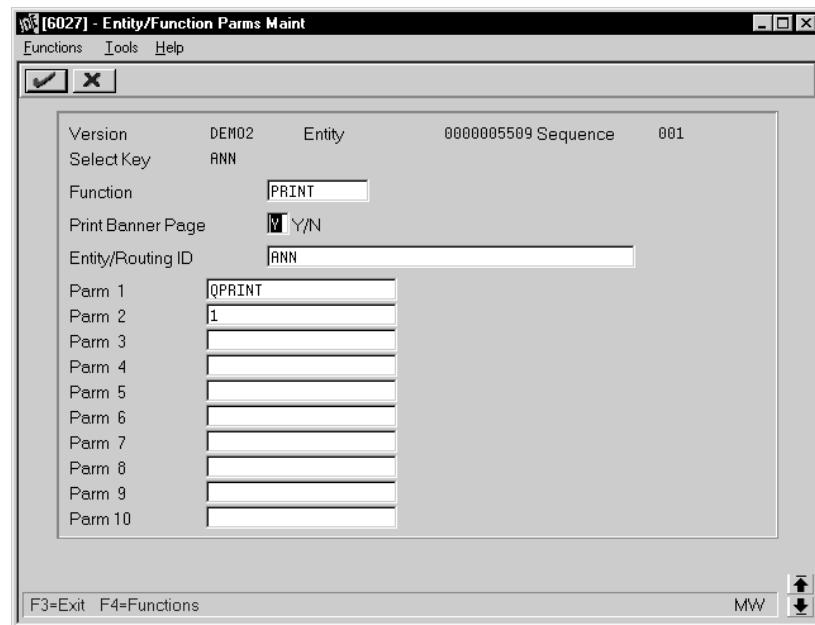
5. Press Enter.

6. Press F3 twice to return to Select Key Maintenance. An * appears next to the select key, indicating that a routing function is attached to the select key.
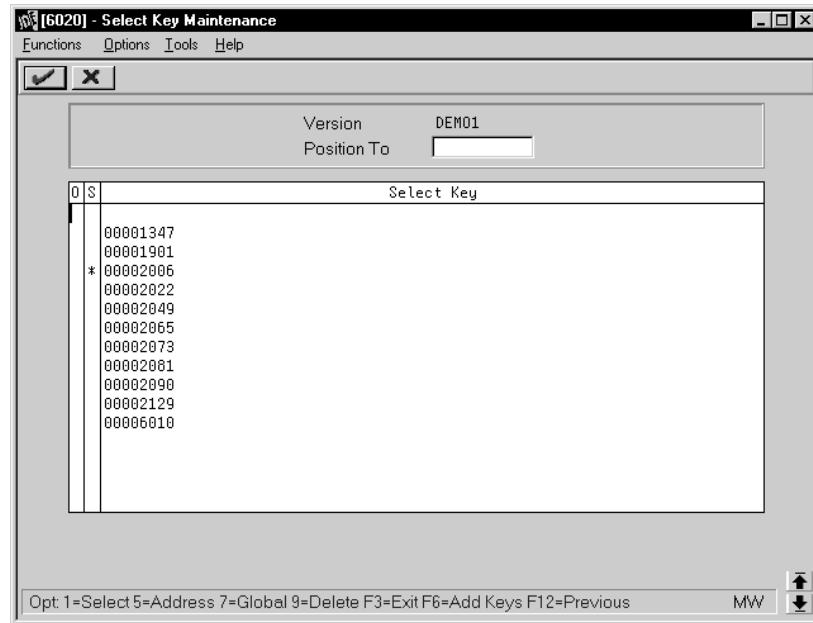
7. Enter 1 next to the same select key.

8. On Entity/Function Maintenance, press F6. Fields appear blank on Entity/Function Parms Maintenance.

9. To display the additional routing functions, press F4.
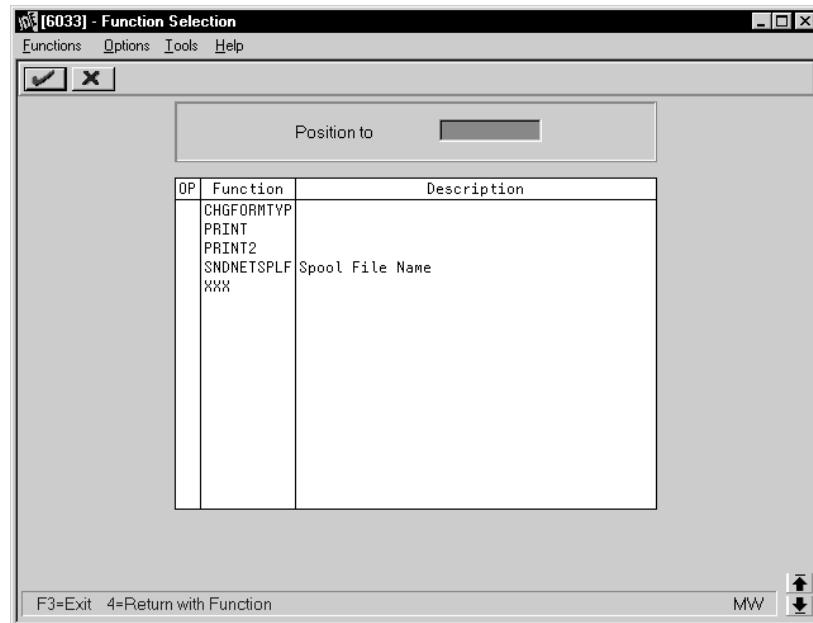
10. Enter 4 next to the xxx function.
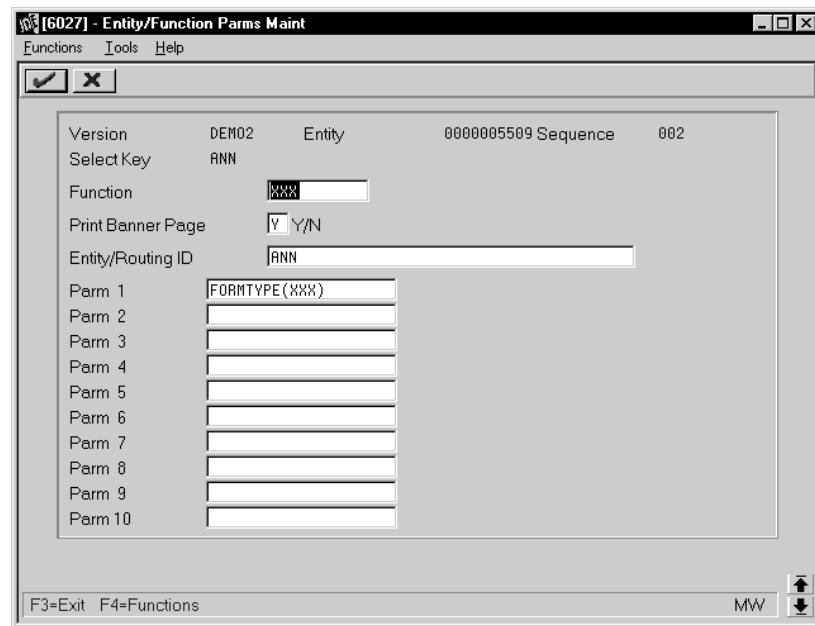
11. On Entity/Function Parms Maintenance, press Enter.

12. Press F3. The routing functions PRINT and XXX appear on Entity/Function Maintenance.

13. To return to Select Key Maintenance, press F3.
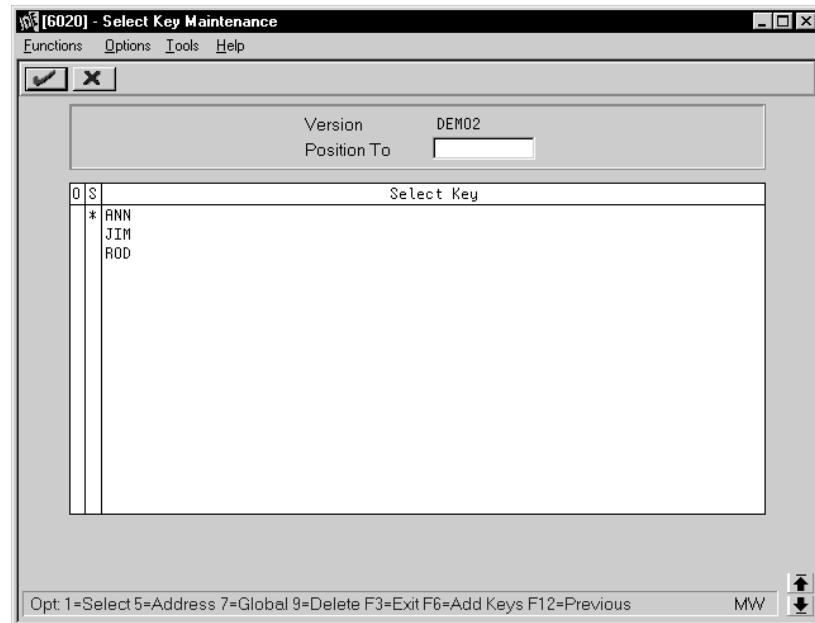
14. To return to Electronic Burst and Bind, press F3.

Starting the EBB Monitor

After assigning routing functions, you should be on the Electronic Burst and Bind menu. Now you are ready to start the monitor.

▶ **To start the EBB monitor**

On Electronic Burst and Bind

Choose Start EBB Monitor.

Checking Messages

Check messages periodically as the monitor processes the report, as well as the active jobs in EBBJOBJ.

▶ **To check messages**

On Electronic Burst and Bind

Choose Display EBB Message Queue.

A message queue appears if problems arise while the monitor processes the reports. Because EBBSTART is the output queue for one of the burst reports, the monitor attempts to process the report. No EBB version exists for the report, and the monitor generates the following message:

No EBB Version found for spool file with userdata: P98E04

Disregard this message.

Checking the Output Files

Check the EBBFINAL output queue for the burst, original, and process report, R98E04. View the process report (R98E04) to see which spool files were created for the select keys, the spool file IDs, and output queues. The number of reports created in the default queue - EBBFINAL, the error queue - EBBERRQ, and other output queues - EBBSTART appear on the process report.

A separate report exists for each select key, as well as the additional routing functions you added. Print or view the reports in EBBFINAL and EBBSTART to see how the banner pages were created. Check any reports that can have been created in EBBERRQ.

When EBB has finished processing, stop the monitor. When the reports are available in EBBFINAL, the EBB job is finished. You can check the active jobs as well. When the monitor has returned to a delay status, EBB has finished processing.

Glossary

Glossary

Based On File. The file name specified in the definition of the cross-reference that contains the fields used as the Original and substitute select keys. Both of the key fields must be located in the same file.

Bind. Creation of a new spool file from one or more, where common data in the burst area is found. When more than one report is included in a version ID, each report is burst and a bind is intended. A bind occurs when identical data appears on the following report(s).

Bind Criteria. The matching of select keys used to combine burst reports contained in a version ID.

Burst. The separation to a new page within a spool file when data in a chosen area is unlike data on the previous page in the same area of the report. A burst creates a new spool file from a portion of the original one each time unlike data appears.

Burst Area. The physical location (line number, column number and length) on the report that contains the select key data.

Cross-Reference. The file (F6008) which links Original select keys to Substitute select keys according to the data in the Based On File.

Duplicate Version. An EBB version that uses a Model version for its select keys and Routing Functions.

Entity Number. An internally-assigned number used by the system to uniquely identify a select key.

Function. The routing instruction, including number of copies, routing id text on the banner page, and other changes and additions to the default setup, applied to an individual spool file after it is burst and/or bound. It is a command line string which must follow certain criteria.

The command line string cannot use reserved words and must end with %. See Routing Function.

Loading: The process of recording the select key text appearing in the burst area which is located when the selected spool file is scanned. The select keys are unique, never duplicated, during the load process. Also referred to as preloading.

Monitor. The program running in batch that checks for spool files in the EBBSTART output queue. When all spool files for a version are found and certain criteria is met (all spool files defined in the version are in EBBSTART, in RDY status, and the preload information is correct for those reports in the version), bursting/binding occurs.

Original Select Key. The select key set up on a report which is linked to a substitute select key. This key represents data that is printed on the report.

Preload. See loading.

Routing Function. A print or output destination instruction or command line string used to process the output of burst and bound reports. See Function.

Select Key. The unique text found in the total of all burst areas on a report. The key is a 1-90 byte area (or total of multiple areas) of report text used by the monitor for comparison during the burst process. A spool file page is burst when the text in the selected criteria does not match the same select key on the following page. It is also used to bind multiple reports in a version.

Substitute Select Key. The field to be used in lieu of the (Original) select key defined on a report for Burst and Bind Criteria when a cross reference is linked to a report in a version. This key is a field that is not printed on the report.

Table Number. The name assigned to the cross reference used to link Original and Substitute select keys . The table number is defined using DREAM Writer form P6008 and referenced in the version ID setup.

User Data Attribute. An attribute of a spool file which identifies an EBB version ID to the monitor when it is in EBBSTART output queue and in Ready status. It must match the EBB version name; it must be upper case and left-justified. The attribute can be changed by the user (with WRKSPLF) or by Printer Overrides on JDE reports.

Version ID. A unique name used in the EBB system to identify a specific set of instructions for bursting, binding and/or routing a spool file or a number of spool files. It also identifies the selected burst criteria and routing functions assigned to the select keys.

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