APPENDIX B: SPOOL PDF OVERLAY/400™ EXAMPLE

The following is a simple exercise that will demonstrate the major tasks needed to access the features of Spool PDF Overlay/400™ through Spool Organizer tasks. Spool PDF Overlay/400™ is a separate product from BDS and must be installed on your machine. This exercise is intended for experienced users of Spool Organizer. For more information, refer to previous exercises or the Spool Organizer Reference manual. The exercise will demonstrate Spool PDF Overlay/400 features in the following functions of SpoolOrganizer/400:

Monitors
Bundles
Display a spool entry
Resend from Sent Mail log
EMLSPLE cmd
DIRSPLE, DIROUTQ cmds

This exercise should require approximately **90** minutes to complete. This exercise assumes you are defined as an Administrator to Spool Organizer. To complete the exercise, perform the following:

1) Sign on as your User profile.

1) Verify Spool PDF Overlay/400 is installed.

Enter the following commands:

ADDLIBLE BRODERICK
SPDADM

If you receive the message "Command SPDADM not found", you must first install Spool PDF Overlay/400 on your machine. Contact BDS to receive a free 30-day trial of the product.

1) Access the SpoolOrganizer Administrator Menu.

Enter the following commands:

ADDLIBLE BRODERICK
SPLADM

4) Verify System parameters.

a) Select Option **1**, "Define System Menu", then select option **7**, "Define Tailoring Options".

c) The Setup Display appears. Press **F13** to display the E-mail options. Note the following field:

Spool PDF Ovl/400 Spec Name: ***NONE**

For now, do not change this value. It is used when emailing from the Display a Spool Entry function. You may later wish to change it. Press **F3** twice to return to the menu.

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2) Create a PDF Spec.

Many Spool Organizer functions specify Spool PDF Overlay/400 functions via the PDF Specification. Enter the following:

a) Select option **18**, "Define PDF Specifications"

b) The Display Specifications screen appears. Press **ENTER** to display all.

c) A list of List Entries (if any) should appear. Press **F6**, Add.

d) Enter the following:
> \+ Spec Name: **SPDF**
>> Press **ENTER**.

e) For a description of all of the features of PDF Specs, refer to the following chapter:

> **Chapter 37,** "Define PDF Specifications"

> For now, enter the following:

> Spool PDF Overlay/400 Spec Name: ***DFT**
> Text: **Spool PDF Overlay/400 Spec**

>> Take the defaults for the other fields and press **ENTER.**

Note: In a production environment, you should make separate Spool PDF Overlay/400 Options Specs for your Spool Organizer applications. For simplicity, we are using the default spec in this exercise.

f)   Press **F12** to end the add operation. Your PDF spec should appear in the list. Press **ENTER** to return to the menu.

3) Create an E-Mail Specification.

E-Mail Specifications tell other SpoolOrganizer functions how to send the message. Enter the following:

a) Select option **14**, "Define E-Mail Specifications"

b) The Display Specifications screen appears. Press **ENTER** to display all.

c) A list of Specs (if any) should appear. Press **F6**, Add.

d) Enter the following:
> Name: **SPDF**
> Press **ENTER**.

e)   For a description of all of the features of E-Mail Specifications, refer to the following chapter:

Chapter 31, "Define E-Mail Specifications"

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For now, enter the following:

From Address:	**xxxxxxx**
Address Type:	**S**
To Address:	**xxxxxx**
Address Type:	**S**
Distribution List Name:	***NONE**
Text:	**Spool PDF Overlay/400 Spec**
Press **ENTER**.	

Note: Substitute a valid Internet E-mail address for xxxx in the address fields. The from and to address can be the same.

Subject:	**Test subject**
Period to keep in E-Mail Log:	**ND 30**
Press **ENTER**.	

f) Note the different Part Types, the attachment parameters, and the Adobe PDF and the CSV options. They are described in detail in Chapter 31. For now, enter the following:

Part Type: ***PDF**
CSV/TSV or PDF Spec Name: **SPDF**
Press **ENTER**.

g) Press **F12** to end the add operation, Your E-Mail Spec should appear in the list. Press **ENTER** to return to the menu.

Monitor Functions

The Monitor function of Spool Organizer uses Email Specs to control email output. In this exercise the email spec created above will be used by the example Monitor. Enter the following:

1) Create a Monitor.

SpoolOrganizer Monitors monitor outqs and process spool entries placed into them. Example B-1 has a complete Monitor example. In this exercise the Monitor will move the spool entries we place in outq **BPRT01** to outq **BPRT01P**, and send them via E-Mail to 3 Internet users. Enter the following:

a) Select option **2**, "Define Monitors"

b) The Display Specifications screen appears. Press **ENTER** to display all. A list of Monitors (if any) should appear. Press **F6**, Add.

c) Enter the following:
+ Name: **SPDF**
       Press **ENTER**.

   d) For a description of all of the features of Monitors, refer to the following chapters:

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Chapter 1, "Introduction"
Chapter 5, "Define Monitors"
Chapter 6, "Define Selection Specifications"
Appendix B- 2, "Monitor Setup Example"

For now, enter the following:

From Outq/Library:	**BPRT01**	**BRODERICK**
Descriptive Text:	**Test**	
To Outq:	**BPRT01P**	
Library:	**BRODERICK**	
E-Mail Spec:	**SPDF**	
Press **ENTER.**		

e) Press **F12**. Your Monitor should appear in the list. Press **ENTER** to return to the menu.

5) Start the Monitor.
Enter the following command (or select the option off of the "Control System Execution Menu"):

   STRSOMON SPDF

6) Place output into outq BPRT01.
You can place any spool entry into outq **BPRT01** (we recommend that you do not use anything important). You can use any method you wish to move the output.

7) Display your E-Mail.
SpoolOrganizer/400 should deliver the mail within a few minutes. You can now use your Internet browser to look at your E-Mail.

8) End the Monitor.
Enter the following command (or select the option off of the "Control System Execution Menu"):

   ENDSOMON SPDF

Bundle Functions

1) Change the Monitor back.
From the "Define Monitors" option, Change the Monitor **BPRT01**. Change the E-Mail Spec to ***NONE**. We will no longer need the Monitor to send E-mail in this exercise.

2) Create a Bundle Description.
Perform the following:

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a) Select option **12**, "Define Bundle Specifications".

b) The "Display Specifications Screen" should appear. If you have many Bundle Descriptions, you can use this screen to limit the amount displayed. Press **ENTER**.

c) A list of Bundle Descriptions should appear. Press **F6**, Add.

d) Enter the following:
Bundle Name: **SPDF**
Bundle ID: **TEST**
Press **ENTER**

e) For a description of the features of Bundles, refer to Chapter 13, "Define   Bundles Specifications". For now, enter the following:

Descriptive Text:	**Test**
To Outq/Library:	***NONE**
User Profile:	(your user profile)
Print Parameters:	
- Days:	**0**
- Time:	**2500**
Change Security:	***** (in the first field)
E-Mail Specification:	**SPDF**
Press **ENTER**.	

f) A list of Bundle Entries defined to this Bundle will appear. At this point there should not be any. Press **F6**, Add.

g) Enter the following:
Sequence Number: **10**
Press **ENTER**.

The "Define Bundle Entry Description" screen will appear. Enter the following:

Monitor Name:	**SPDF**
Job User:	(your user profile)
Descriptive Text:	**Test**
Press **ENTER.**	

h) The list of Bundle Entry Descriptions will appear, with the entry we just added.
Press **ENTER** to exit. Press **F12** to exit Add mode.

i) The list of Bundle Descriptions will appear, with the Bundle we just added. Press **ENTER** to exit. Press **F3** to return to the Administrative menu.

3) Apply changes to production.

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Select option **2**, "Control System Execution" and then select option **44**, "Apply Bundle Changes". There are no parameters to the **APYBDLCHG** command, so press **ENTER.** The menu will appear.

Note: You may wish to select option **45**, "Display Production Specifications" at this time to see your Bundle in the production copy of the Bundle Descriptions.

4) Start the Monitor and Bundle Manager.
Enter the following commands (or select the options off of the "Control System Execution Menu"):

    STRSOMON SPDF
    STRBDLMGR

5) Place output into outq BPRT01.
You can place any spool entry (which has your user profile in the User spool file attribute) into outq **BPRT01** (we recommend that you do not use anything important). You can use any method you wish to move the output.

6) Display your E-Mail.
SpoolOrganizer/400 should deliver the mail within a few minutes. You can now use your Internet browser to look at your E-Mail.

7) End the Monitor and Bundle Manager.
Enter the followings command (or select the options off of the "Control System Execution Menu"):

    ENDSOMON SPDF
    ENDBDLMGR

Send a Spool Entry via Display

This example sends a spool entry via E-Mail from the BDS Display a spool entry display. It uses the active Bundle created in the preceding section. Any function which uses the BDS Display a spool entry function, such as Display Archive Tape of Display Online Database entries, can send E-Mail using the procedure below.

1) Display the Bundle Entry.
a) Enter the following command, or select option **4**, from the "End User Menu", "Work with active Bundles".

    WRKACTBDL

The Active Bundles Display will appear,

b) Select option **5**, "Display Entries" and press **ENTER**.

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c)   The list of spool entries in the Bundle will appear. Place a **5** by the entry and press **ENTER**.

The spool entry data appears.

2) Specify E-mail attributes
For a description of sending E-Mail from the Display function, refer to the following chapter:

Chapter 29, "Display a Spool Entry"

a)   Press **F15**, "E-Mail".

b)   The Page/line/column range screen appears. Note the ability to specify to specify a range. For now, enter the following:

Email Spec Name: **SPDF**
Press **ENTER**.

c)   The "Specify an E-Mail Destination" screen appears. Enter the following:

To Address:	**xxxxxx**
Address Type:	**S**
Subject:	**Test Subject**

Press **F14** (Log Parms).

d)   A screen with more parameters will appear. Make any changes if desired and press **ENTER** to return to the Destination screen.

e)   The Destination screen 1 will appear. Press **ENTER**.

f)   A second screen will appear. Make any changes if desired and press **ENTER** to send the E-Mail.

g)   The Page Range screen will appear, with the message "Specified range sent".
Press **F3** to exit.
Press **F3** to exit the Spool entry display.
Press **F3** to exit the Bundle Entries display.
Press **F3** to exit the Active Bundles display.

Displaying/Resending Sent Mail

This exercise will demonstrate the SpoolOrganizer/400 Sent Mail Log. It will show the log of E-Mail which was sent in the previous sections.

1) Search for sent Mail

a)   Bring up the Administrator menu:

SPLADM

b) Select option **3**, "End User Functions", then select option **6**, "Display Sent E-Mail Log". Press **ENTER** again to execute the **DSPSNTML** command.

c) The "Display Specifications" screen should appear. Note the fields available to aid your searches. For a description of sending E-Mail from the Display function, refer to the following chapter:

Chapter 33, "Display/Purge Sent Mail"

For now, press **ENTER**.

d) A screen showing the E-mail messages sent earlier should appear. There should be two messages (The Monitor's and the Bundle's) in the list.

2) Display a sent message

a) Select option **1**, "Disp Attr" The Attributes used when the message was mailed are shown. Press **ENTER** to step through the screens.

3) Display spool entries.

a) Select option **5**, to display the spool entries which were attached to the message. A list of the entries will appear.

b) Place a 5 by the first entry and press **ENTER**. The spool entry will appear. Press **ENTER** to exit.

c) Select option **1** to display the spool entry's attributes. Press **ENTER** to exit.

d) Press **ENTER** to return the "Display Sent Mail" screen.

4) Resend sent Mail.

Select option **8** or **9** for any message you wish to resend. Once resent, you can display the mail on your Internet E-Mail browser.

Press **ENTER** to return to the search screen. Press **F3** to exit.

IFS Directory Functions

The commands **DIRSPLE** and **DIROUTQ** can use Spool PDF Overlay/400 features. Enter the following:

    DIRSPLE
    Press **F4** to prompt.

Enter the following parameters:

    File format: ***PDF**

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PDF, CSV, or HTML Spec Name: **SPDF**

For more information on the DIRSPLE or DIROUTQ commands, refer to Chapter 38, "IFS Directory Commands"