



# Using DataInterchange to Produce Standard Test Data

The Interactive Entry Facility

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Connection 2000, Inc.

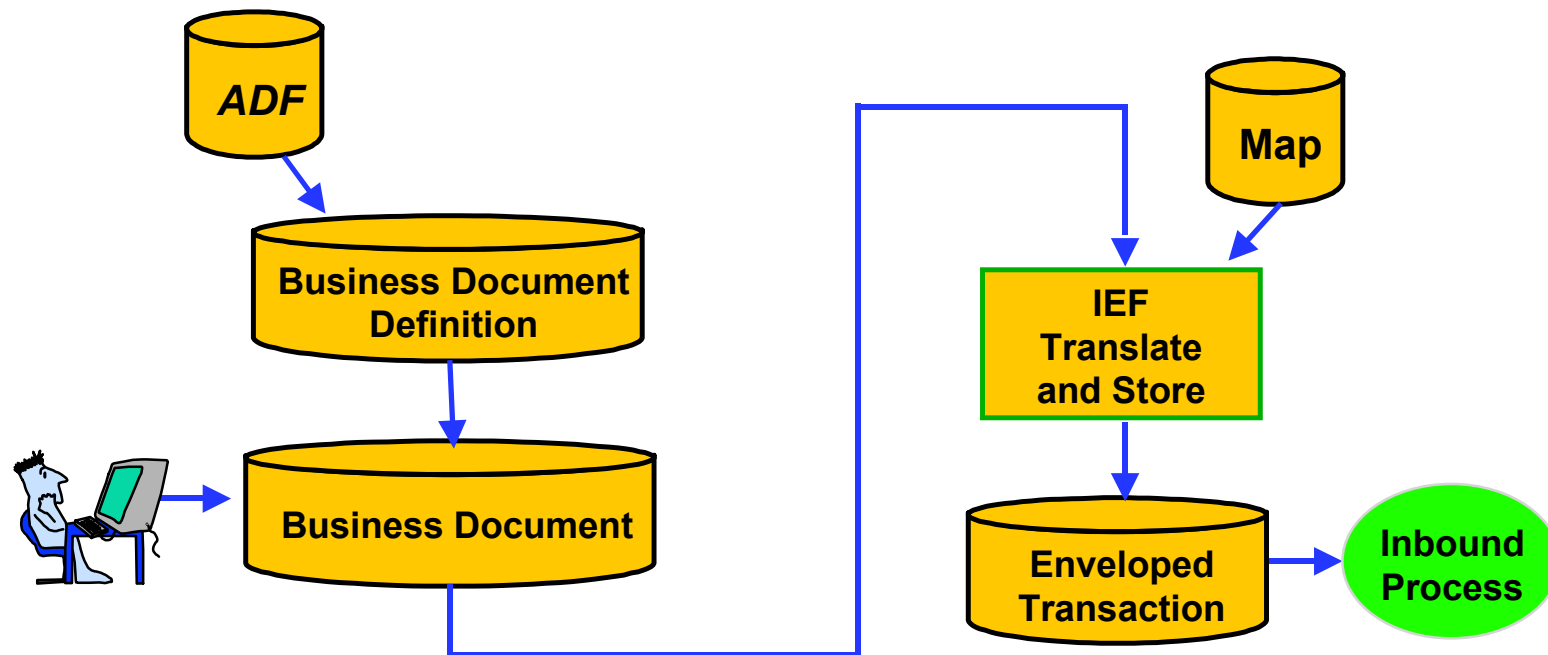
# What It Is - What It Does

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## IEF - The Interactive Entry Facility



# The Process



# Creating a Document Definition

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# New Concept ADF

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## New Rules:

- ADFs only need:
  - ◆ Name
  - ◆ Base Structure Name
- ADFs cannot be modified once they become business document definitions
- ADFs only contain data to be entered manually



# The IEF ADF

APP1 IEF-850-CLASS Application Data Format Date: 19980825  
 Page: 1 Time: 14:33:01

Description . . . . . : Sample ADF for Class Example  
 EDC-MSG Structure name . . . :  
 PURCHASE-ORDER File name . . :  
 :Application file type . . :  
 :Record ID position . . . . :  
 :Record ID length . . . . . :  
 :Record ID data type . . . :  
 :Beginning structure name . :  
 :Ending structure name . . :  
 :Trading partner ID field . :  
 :Generic routing code field :  
 :

Field/Structure Name	Type	Length	Positions	Max-Use	Passed Separately?	Record
PURCHASE-ORDER	ST	0				
1						
-----						
HEADER	ST	32	1-32	1		
Y PURPOSE-CODE	ID	2				
1-2 PO-TYPE-CODE	ID	2				
3-4 PO-NUMBER	CH	22				
5-26 PO-DATE	DT	6				
27-32						
-----						
ENTITY-ID	ID	37	1-37	1	Y	
1-2 ENTITY-NAME	CH	35				
3-37						
-----						
LINEITEMS	ST	57	1-57	25		
Y QUANTITY	R	9				
1-9 UNIT-OF-MEASURE	ID	2				
10-11 PRICE	R	14				
12-25 PRODUCT-QUAL	ID	2				
26-27 PRODUCT-ID	CH	30				
28-57						
**** END OF REPORT ****						

# DataInterchange for MVS Version 2.01

## Main Menu

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MP01

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Type the number of your choice and press Enter, or press the Exit key to exit.

Choice ==> 1\_

1. Interactive Entry Facility
2. Profiles
3. Event Logging
4. Trading Partner Transactions (Mapping)
5. EDI Standards
6. Application Data Formats
7. Translation and Validation Tables
8. Envelope Standards
9. Transaction Store Facility
10. Export
11. Import
12. Utility

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve



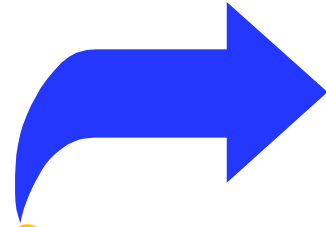
# Interactive Entry Facility

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MM01

Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> \_ 1. Business documents  
2. Messages  
3. File requests  
**4. Business document definitions**



**Start here! - Identify the ADF**

Command ==>

Enter F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help





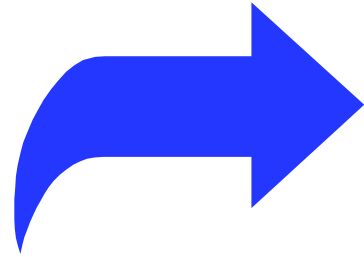
# Interactive Entry Facility

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MM01

Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> \_ 1. Business documents  
2. Messages  
**3. File requests**  
4. Business document definitions



**MVS Only - Send / Receive Files**

Command ==>

Enter F1=Help F3=Exit F9=Retrieve

F12=Cancel F13=Keys help



# Select File Requests Action

---

DF12

No file requests exist to which you are authorized to access. Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> 1\_ 1. Add file request  
                  2. Receive file request

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# Add Request to Send a File

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DF02

Add Request to Send a File

File name . . . . .

\_\_\_\_\_

Trading partner . .

\_\_\_\_\_ +

Command ===>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve

F12=Cancel F13=Keys help



# Select File Requests Action

DF12

No file requests exist to which you are authorized to access. Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> 2\_ 1. Add file request

DF07	Receive File	
From trading partner .	_____	+
Requestor ID . . . . .	_____	+
Specific name . . . . .	_____	
Receive to file name .	_____	

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# Interactive Entry Facility

---

MM01

Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> \_ 1. Business documents  
                  **2. Messages**  
                  3. File requests  
                  4. Business document definitions

**Free Format Messages  
Information Exchange**

Command ==>

Enter F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# Interactive Entry Facility

---

MM01

Type the number of your selection below and press Enter, or press the Exit key to exit.

Ch

- 
- 1. Business documents**
  2. Messages
  3. File requests
  4. Business document definitions

**Enter and File Data**

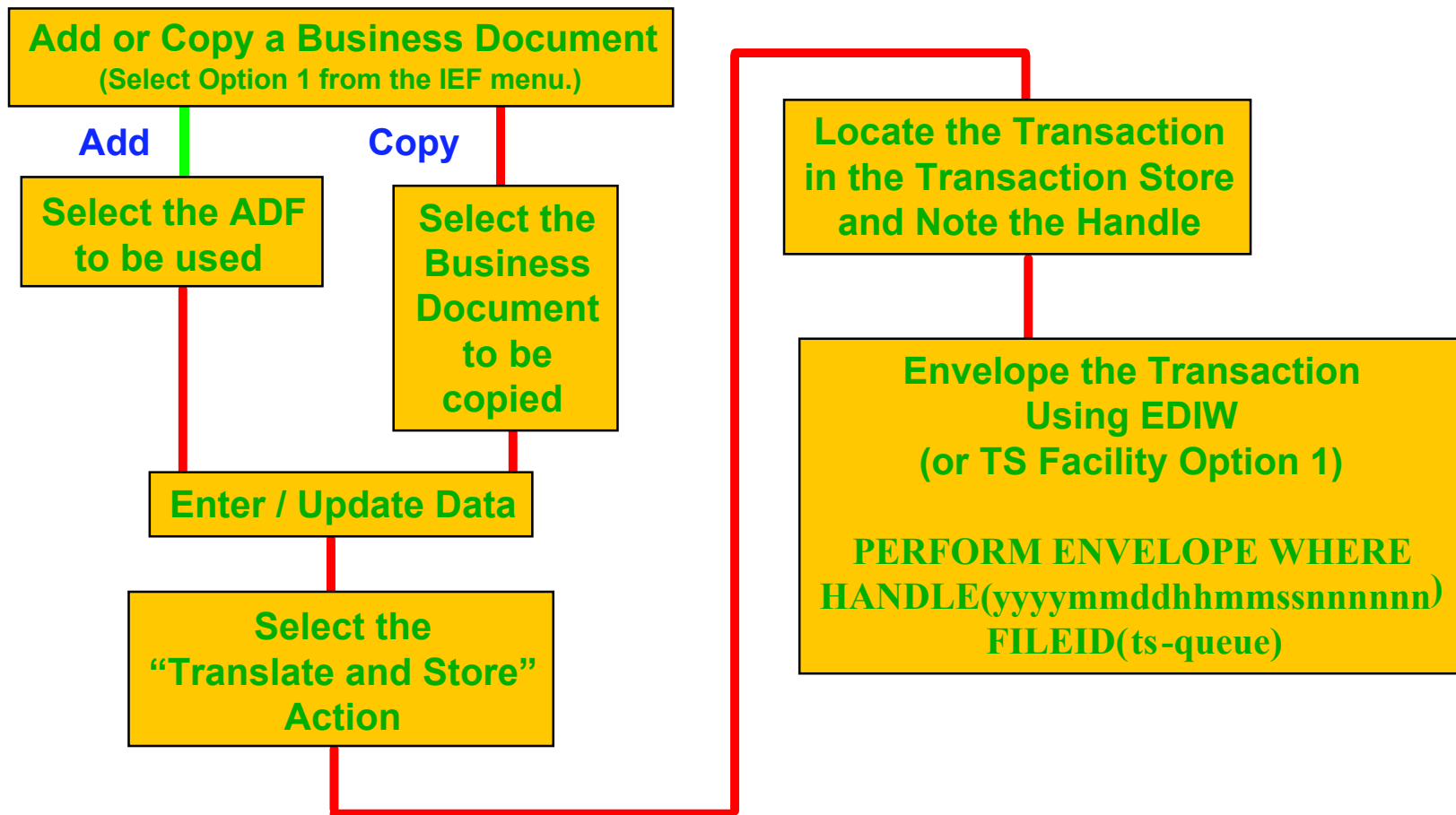
Command ==>

Enter F1=Help F3=Exit F9=Retrieve

F12=Cancel F13=Keys help



# Creating the Document and the X12 Data



# Interactive Entry Facility

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MM01

Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> 4\_ 1. Business documents  
2. Messages  
3. File requests  
4. Business document definitions

Command ==>

Enter F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help





# Add Business Document Definition

---

DD02

Data format ID . . . . . \_\_\_ IEF-850-MEG \_\_\_\_\_

File to . . . . . \_\_\_ MGRIFF.FILE.DATA \_\_\_\_\_

Archive to . . . . . \_\_\_ MGRIFF.ARCHIVE.DATA \_\_\_\_\_

File formatted to . . . . . \_\_\_ MGRIFF.FORMATED.DATA \_\_\_\_\_

Send defaults

Requestor ID . . . . . \_\_\_ ADVTEST1 \_\_\_\_\_ +

Specific name

Use default? (Y/N) . . . . . \_ N +

Display panel? (Y/N) . . . . . \_ Y +

Network Acknowledgments

Use defaults? (Y/N) . . . . . \_ N +

Display panel? (Y/N) . . . . . \_ y +

Command ==>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve

F12=Cancel F13=Keys help



# Interactive Entry Facility

---

MM01

Type the number of your selection below and press Enter, or press the Exit key to exit.

Choice ==> 1\_    1. Business documents  
                  2. Messages  
                  3. File requests  
                  4. Business document definitions

Command ==>

Enter    F1=Help    F3=Exit    F9=Retrieve

F12=Cancel    F13=Keys help



# Select Data Format

DE02

14 to 27 of 29

Type the number of the data format for the document you wish to add.

Choice ==> 24\_

Data Format ID	Description
14. IEF--832SV04	IEF SEND TO TEST 832 RECEIVE
15. IEF--850GOLD	IEF Purchase Order - Send

DE23 Trading Partner Selection

Trading partner . . . . . TESTDATAEVL\_\_\_\_+  
Use test transaction? (Y/N) +

Ge

24. IEF-850-CLASS	Sample ADF for Class Example
25. IEF-850-KERM	Sample ADF for
26. IEF-850S-IT-V01	850R - Integration Test Data Entry
27. IEFMS870SV02	MSOFT DATA DAILY BCKRDR RPRT TEST S

Command ==>

Enter Tso F1=Help F3=Exit F7=Bkwd F8=Fwd F9=Retrieve  
F12=Cancel F13=Keys help



# Add Sample ADF for Class Example

DE03

1 to 3 of 3

Data format ID . . : IEF-850-CLASS

Document key . . . :

Update? (Y/N) Y +

Trading partner . . TESTDATADEVL

Test transaction : Y

DE19

Enter Document Key

1 to 1 of 1

Fill in the data for each field.

PO-NUMBER . . . MEG2000 \_\_\_\_\_

NAME

Occurs 1 time

LINEITEMS

Occurs 25 times

Command ==>

Enter Tso F1=Help F9=Retrieve

F12=Cancel F13=Keys help

This will be the field defined as the Application Control Field in the ADF or map.



# Add Sample ADF for Class Example

DE03

1 to 3 of 3

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . : TESTDATADEVL Test transaction : Y  
Structure . . . . : **PURCHASE-ORDER** Occurrence 1 of 1

Select structures by typing the number of the first occurrence you wish to work with

<u>1</u>	HEADER	Occurs	1 time	.
<u>   </u>	NAME	Occurs	1 time	
<u>   </u>	LINEITEMS	Occurs	25 times	

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# Add Sample ADF for Class Example

---

DE03 1 to 4 of 4

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . : TESTDATADEVL Test transaction : Y  
Structure . . . . : HEADER Occurrence 1 of 1  
within PURCHASE-ORDER(1)

Type data in the fields provided.

PURPOSE-CODE . . . 00  
PO-TYPE-CODE . . . NE  
PO-NUMBER . . . : MEG2000  
PO-DATE . . . . . 980901

Command ==>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve  
F12=Cancel F13=Keys help



# Add Sample ADF for Class Example

DE03

1 to 3 of 3

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . : TESTDATAEVL Test transaction : Y  
Structure . . . . : PURCHASE-ORDER Occurrence 1 of 1

Select structures by typing the number of the first occurrence you wish to work with

___	HEADER	Occurs	1 time
___	NAME	Occurs	1 time
___	LINEITEMS	Occurs	25 times

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# Add Sample ADF for Class Example

---

DE03

1 to 2 of 2

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . : TECHDATADEVL Test transaction : Y  
Structure . . . . : **NAME** Occurrence 1 of 1  
**within PURCHASE-ORDER(1)**

Type data in the fields provided.

ENTITY-ID . . . ST  
ENTITY-NAME . . Connection 2000, Inc.

Command ==>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve  
F12=Cancel F13=Keys help





# Add Sample ADF for Class Example

DE03

1 to 3 of 3

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . : TESTDATADEVL Test transaction : Y  
Structure . . . . : **PURCHASE-ORDER Occurrence 1 of 1**

Select structures by typing the number of the first occurrence you wish to work with

___	HEADER	Occurs	1 time
___	NAME	Occurs	1 time
__1	LINEITEMS	Occurs	25 times

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# Add Sample ADF for Class Example

DE03 1 to 5 of 5

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . : TESTDATADEVL Test transaction : Y  
Structure . . . . : **LINEITEMS** Occurrence 1 of 25  
**within PURCHASE-ORDER(1)**

Type data in the fields provided.

QUANTITY . . . . 1 \_\_\_\_\_  
UNIT-OF-MEASURE EA  
PRICE . . . . . 220000 \_\_\_\_\_  
PRODUCT-QUAL . . IN  
PRODUCT-ID . . . RR2000XL \_\_\_\_\_

Command ==>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve  
F12=Cancel F13=Keys help F20=Next



# Add Sample ADF for Class Example

DE03

1 to 5 of 5

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . TESTDATADEVL Test transaction : Y  
Structure . . . . : **LINEITEMS** Occurrence 2 of 25  
**within PURCHASE-ORDER(1)**

Type data in the fields provided.

QUANTITY . . . . 12 \_\_\_\_\_  
UNIT-OF-MEASURE EA  
PRICE . . . . . 49.95 \_\_\_\_\_  
PRODUCT-QUAL . . PD  
PRODUCT-ID . . . Year 2000 Clock \_\_\_\_\_

Command ==>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve  
F12=Cancel F13=Keys help F20=Next



# Add Sample ADF for Class Example

DE03

1 to 5 of 5

Data format ID . . : IEF-850-CLASS  
Document key . . . : MEG2000 Update? (Y/N) N +  
Trading partner . . TESTDATADEVL Test transaction : Y  
Structure . . . . : **LINEITEMS** Occurrence 3 of 25  
**within PURCHASE-ORDER(1)**

Type data in the fields provided.

QUANTITY . . . . \_\_\_\_\_  
UNIT-OF-MEASURE \_\_\_\_\_  
PRICE . . . . \_\_\_\_\_  
PRODUCT-QUAL . . \_\_\_\_\_  
PRODUCT-ID . . . \_\_\_\_\_

Command ==>

Enter Tso F1=Help F3=Exit F4=Prompt F9=Retrieve  
F12=Cancel F13=Keys help F20=Next



# Add Sample ADF for Class Examples

DE03

1 to 3 of 3

```
Data format ID . . : IEF-850-CLASS
Document key . . . : MEG2000                Update? (Y/N)  N +
Trading partner . . : TESTDATADEVL        Test transaction : Y
Structure . . . .
```

DE10

Status Choices

Select structures  
wish to work with

```
___  HEADER
___  NAME
___  LINEITEMS
```

Select the status you wish for this document.

```
Choice ==> 2  1. Send now
               2. Translate and store
               3. Hold for send at a later time
               4. Incomplete - not ready for send
               5. Cancel this new document
```

Command ==>

```
Enter  Tso  F1=Help  F9=Retrieve
       F12=Cancel  F13=Keys help
```



# Business Documents

Add Copy Delete File Print Update View recaLl Receive Send  
Translate

DE01

Business Documents

34 to 45 of 96

	Trading				
A	Document Key	Partner	Data Format ID	Status	Date
_	JIMTEST	TESTDATA	IEF--824SV10	SEND TRANSLATED	19970114
_	KERMIT0001	TESTDATA	IEF-850-KERM	HELD	19970408
_	MAH-0001	TESTDATA	IEF-850-CLASS	ENVELOPED	19961004
_	MAH-0002	TESTDATA	IEF-850-CLASS	ENVELOPED	19961004
_	MEG00001	TESTDATA	IEF-850-CLASS	SEND TRANSLATED	19961002
_	MEG00002	TESTDATA	IEF-850-CLASS	HELD	19980818
<u>F</u>	MEG2000	TESTDATA	IEF-850-CLASS	SEND TRANSLATED	19980825
_	MJM-00001	TESTDATA	IEF-850-CLASS	ENVELOPED	19961003
_	PDG-0001	TESTDATA	IEF--850SV03	ENVELOPED	19961004
_	PDG-0002	TESTDATA	IEF--850SV03	ENVELOPED	19961004
_	PDG-0003	TESTDATA	IEF--850SV03	ENVELOPED	19961004
_	PDG-0004	TESTDATA	IEF--850SV03	ENVELOPED	19961004

Command ==>

Enter Tso F1=Help F3=Exit F7= Bkwd F8=Fwd F9=Retrieve  
F12=Cancel F13=Keys help



# File Options

---

DE15

Select the type of file function.

- Choice ==> 1
1. File data - move the document data to a file
  2. Archive data - move the document data to a file and delete the document from the list
  3. File formatted - format the document data and move

```
DE09      File IEF Purchase Order - Send

Data format ID   . : IEF--850SV01
Trading partner . : TESTDATADEVL
Document key    . . : PONUM0000001
File to . . . . . MGRIFF.FILE.DATA_____
```

```
Command ==> TSO ALLOC DSN(FILE.DATA) RECFM(V) BLK(32760) SPACE(1,1) NEW
Enter  Tso  F1=Help  F3=Exit  F4=Prompt  F9=Retrieve
F12=Cancel  F13=Keys help
```



# File Options

---

DE15

Select the type of file function.

- Choice ==> 3
1. File data - move the document data to a file
  2. Archive data - move the document data to a file and delete the document from the list
  3. File formatted - format the document data and move

```
DE13      File formatted  Sample ADF for Class Example
```

```
Data format ID . : IEF-850-CLASS
```

```
Trading partner . : TESTDATADEVL
```

```
Document key . . : MEG2000
```

```
File to . . . . . MGRIFF.FORMATED.DATA_____
```

```
Command ==> TSO ALLOC DSN(FILE.DATA) RECFM(F) BLK(132) SPACE(1,1) NEW
```

```
Enter Tso F1=Help F3=Exit F9=Retrieve
```

```
F12=Cancel F13=Keys help
```





# Transaction Image

---

TF75

1 to 5 of 5

Trading partner : TESTDATADEVL  
Transaction handle: 19980825141824150000  
Transaction status: SEND TRANSLATED

BEG~00~NE~MEG2000~~980901.  
N1~ST~Connection 2000, Inc..  
PO1~1~1~EA~222000~WH~IN~RR2000XL.  
PO1~2~1~ ea~49.95~WH~pd~Year 2000 Clock.  
CTT~2.

Command ==>

Enter Tso F1=Help F3=Exit F9=Retrieve  
F12=Cancel F13=Keys help



# View Data

File Edit Confirm Menu Utilities Compilers Test Help

```
-----
VIEW          MGRIFF.FILE.DATA                      Columns 00001 00072
Command ===>                                     Scroll ===>          HALF
*****
*****
Top of Data *****
000001  CTEST DATA          IEF-850-CLASS          YY
000002  DHEADER              00NEMEG2000           980901
000003  DNAME                  STConnection          2000, Inc.
000004  DLINEITEMS              1EA                   222000INRR2000XL
000005  DLINEITEMS              1ea                   49.95pdYear 2000 Clock
*****
Bottom of Data *****
```

F1=Help      F2=Split      F3=Exit      F5= Rfind      F6= Rchange      F7=Up  
F8=Down      F9=Swap      F10=Left      F11=Right      F12=Cancel



# Summary

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- Standard test data may be created from manual input.
- The ADF defines data to be entered manually.
- The ADF provides the "Document Definition".
- The application data is the "Business Document".
- The IEF ADFs cannot be modified.
- The "Document Key" is the Application Control Field.
- "Update" refers to updating the "Document Key".
- It is recommended that after entering the data, you:
  - ◆ Translate and check the data in the store.
  - ◆ Perform "ENVELOPE" to create the interchange test data.

