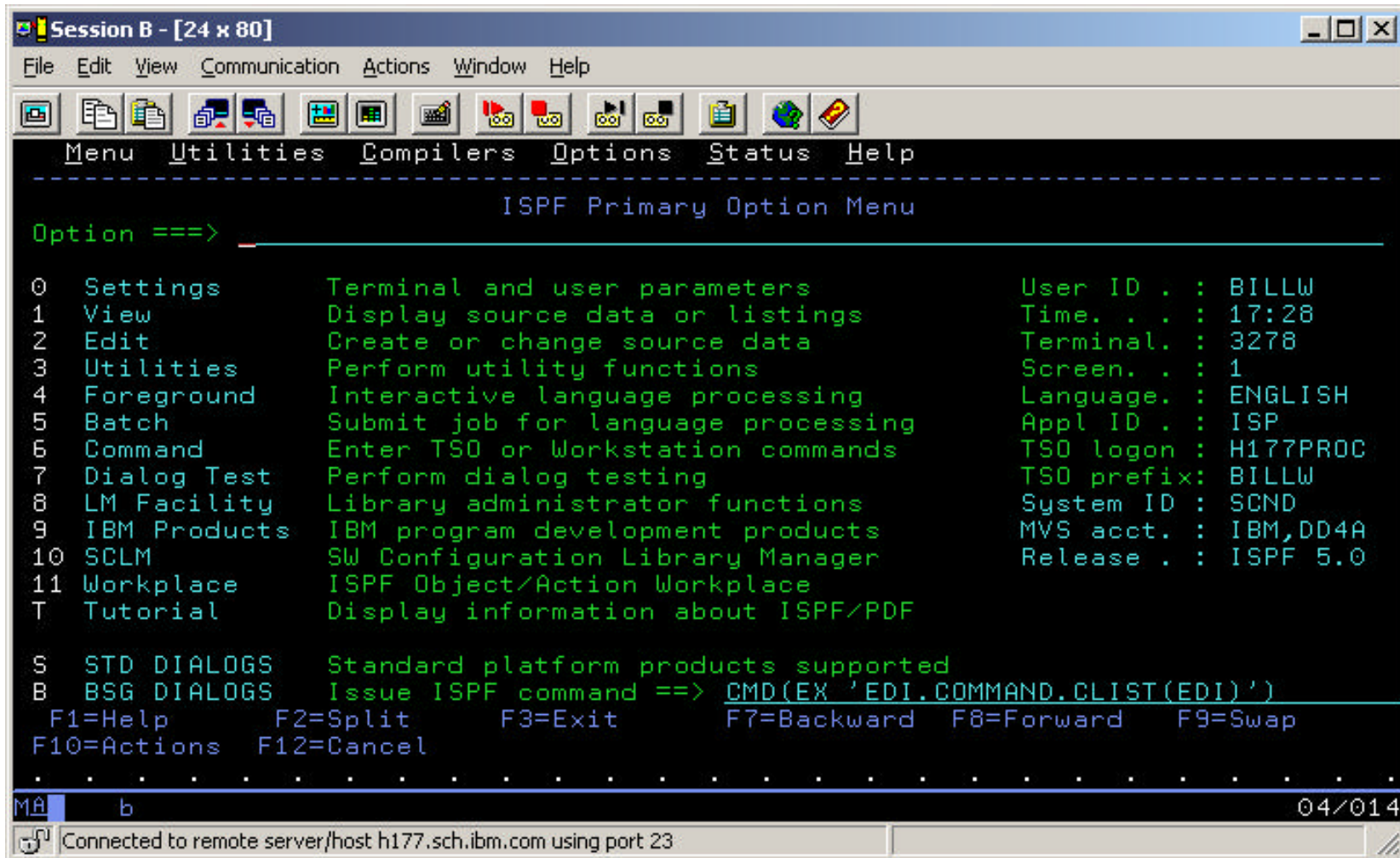


## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

- 01) Logon to MVS or z/OS ISPF on the system that you will be using CICS/Transaction Server.
- 02) Identify the input data(set) that you need to perform your test/scenario.



The screenshot shows a terminal window titled "Session B - [24 x 80]". The menu bar includes "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main display area shows the "ISPF Primary Option Menu" with a list of options and their descriptions. The options are:

- 0 Settings Terminal and user parameters
- 1 View Display source data or listings
- 2 Edit Create or change source data
- 3 Utilities Perform utility functions
- 4 Foreground Interactive language processing
- 5 Batch Submit job for language processing
- 6 Command Enter TSO or Workstation commands
- 7 Dialog Test Perform dialog testing
- 8 LM Facility Library administrator functions
- 9 IBM Products IBM program development products
- 10 SCLM SW Configuration Library Manager
- 11 Workplace ISPF Object/Action Workplace
- T Tutorial Display information about ISPF/PDF

Below the list, there are sections for "STD DIALOGS" and "BSG DIALOGS". The "BSG DIALOGS" section includes the command: `CMD(EX 'EDI.COMMAND.CLIST(EDI)')`. At the bottom, there are function key assignments: F1=Help, F2=Split, F3=Exit, F7=Backward, F8=Forward, F9=Swap, F10=Actions, and F12=Cancel. The terminal also shows the user ID "BILLW", time "17:28", terminal "3278", screen "1", language "ENGLISH", and system ID "SCND". The bottom status bar shows "MA b" and "04/014".

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

03) Input =3.2 on the ISPF command line and press the **ENTER** key.

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
Menu Utilities Compilers Options Status Help
-----
ISPF Primary Option Menu
Option ==> =3.2_
0 Settings      Terminal and user parameters      User ID . : BILLW
1 View          Display source data or listings   Time. . . : 17:28
2 Edit          Create or change source data      Terminal. : 3278
3 Utilities     Perform utility functions         Screen. . : 1
4 Foreground    Interactive language processing   Language. : ENGLISH
5 Batch         Submit job for language processing Appl ID . : ISP
6 Command       Enter TSO or Workstation commands TSO logon : H177PROC
7 Dialog Test   Perform dialog testing            TSO prefix: BILLW
8 LM Facility   Library administrator functions   System ID : SCND
9 IBM Products  IBM program development products  MVS acct. : IBM,DD4A
10 SCLM         SW Configuration Library Manager  Release . : ISPF 5.0
11 Workplace    ISPF Object/Action Workplace
T Tutorial      Display information about ISPF/PDF

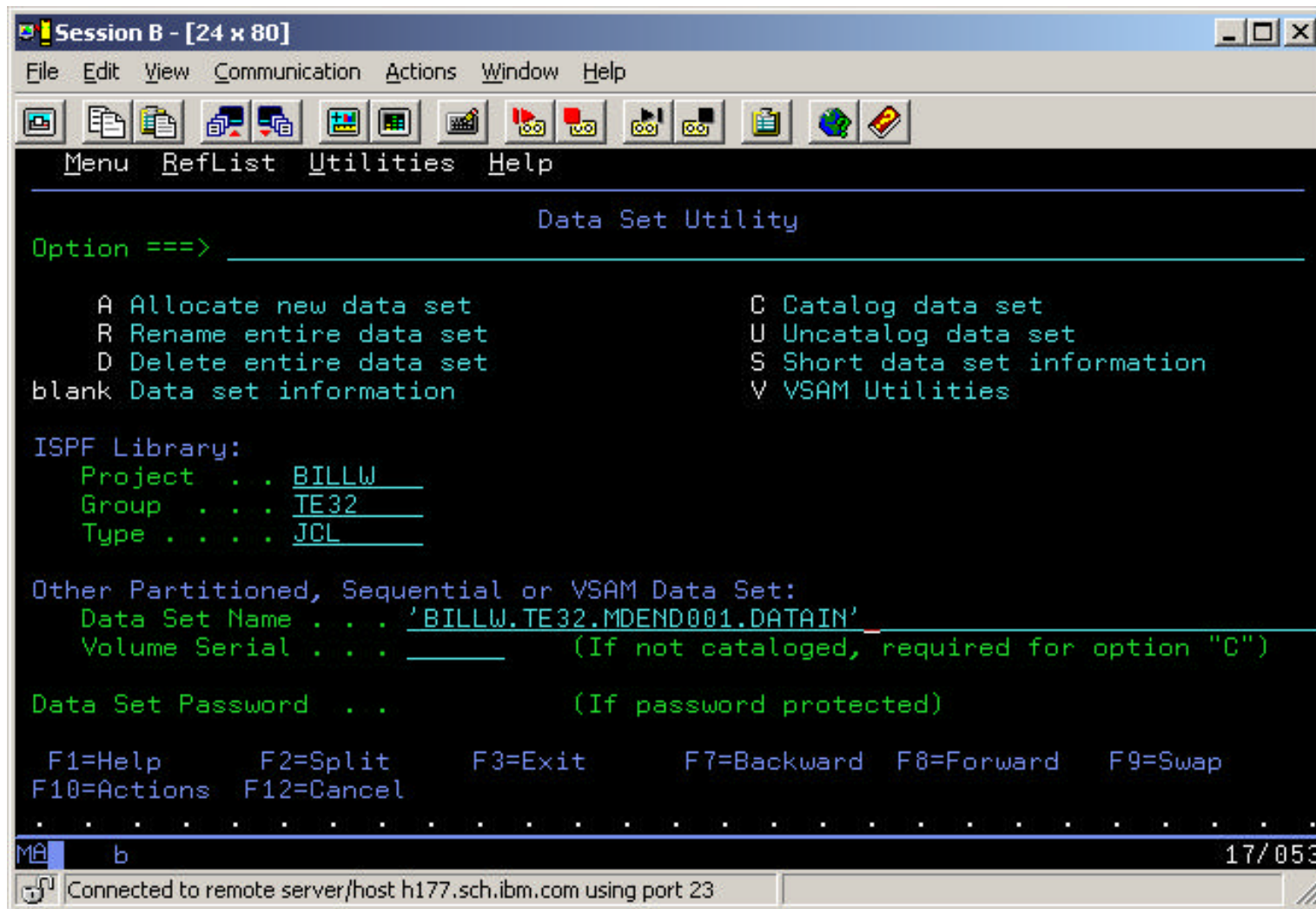
S STD DIALOGS   Standard platform products supported
B BSG DIALOGS   Issue ISPF command ==> CMD(EX 'EDI.COMMAND.CLIST(EDI)')
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap
F10=Actions   F12=Cancel

MA b
04/018
Connected to remote server/host h177.sch.ibm.com using port 23
```

This will result in the Data Set Utility panel being displayed

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

04) On the Data Set Utility panel, input the name of the dataset that you will be using for input data (in the **Data Set Name . . .** input field) and press the **ENTER** key.



The screenshot shows a terminal window titled "Session B - [24 x 80]". The window contains a menu bar with "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main area of the terminal displays the "Data Set Utility" panel. The panel has a menu bar with "Menu", "Reflist", "Utilities", and "Help". The main content of the panel is as follows:

```
Option ==> _____  
  
A Allocate new data set          C Catalog data set  
R Rename entire data set        U Uncatalog data set  
D Delete entire data set        S Short data set information  
blank Data set information      V VSAM Utilities  
  
ISPF Library:  
Project . . . BILLW  
Group . . . TE32  
Type . . . JCL  
  
Other Partitioned, Sequential or VSAM Data Set:  
Data Set Name . . . 'BILLW.TE32.MDEND001.DATIN'  
Volume Serial . . . _____ (If not cataloged, required for option "C")  
  
Data Set Password . . . _____ (If password protected)  
  
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap  
F10=Actions  F12=Cancel
```

At the bottom of the terminal window, there is a status bar showing "MA b" on the left, "17/053" on the right, and "Connected to remote server/host h177.sch.ibm.com using port 23" at the bottom.

This will result in displaying the dataset information.

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
Menu RefList Utilities Help
Allocate New Data Set
Command ==>
Data Set Name . . . : EDI.CICSTDI6.TD03
Management class . . . (Blank for default management class)
Storage class . . . (Blank for default storage class)
Volume serial . . . S60304 (Blank for system default volume) **
Device type . . . (Generic unit or device address) **
Data class . . . (Blank for default data class)
Space units . . . BLOCK (BLKS, TRKS, CYLS, KB, MB, BYTES
or RECORDS)
Average record unit (M, K, or U)
Primary quantity . . 8 (In above units)
Secondary quantity . 33 (In above units)
Directory blocks . . 0 (Zero for sequential data set) *
Record format . . . FB
Record length . . . 80
Block size . . . . 6160
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel
MA b 08/025
Connected to remote server/host h177.sch.ibm.com using port 23
```

**NOTE:** You will need to note/write down the following information concerning the dataset that contains the input data that you want in a CICS TDQ:

Organization - PO, PS, etc.

Record Format - FB, VB, etc.

Record Length - 80, 256, 350, etc.

Block Size - 6160, 8156, 27650, etc.

05) Press the **F3** key on the Data Set Information panel.

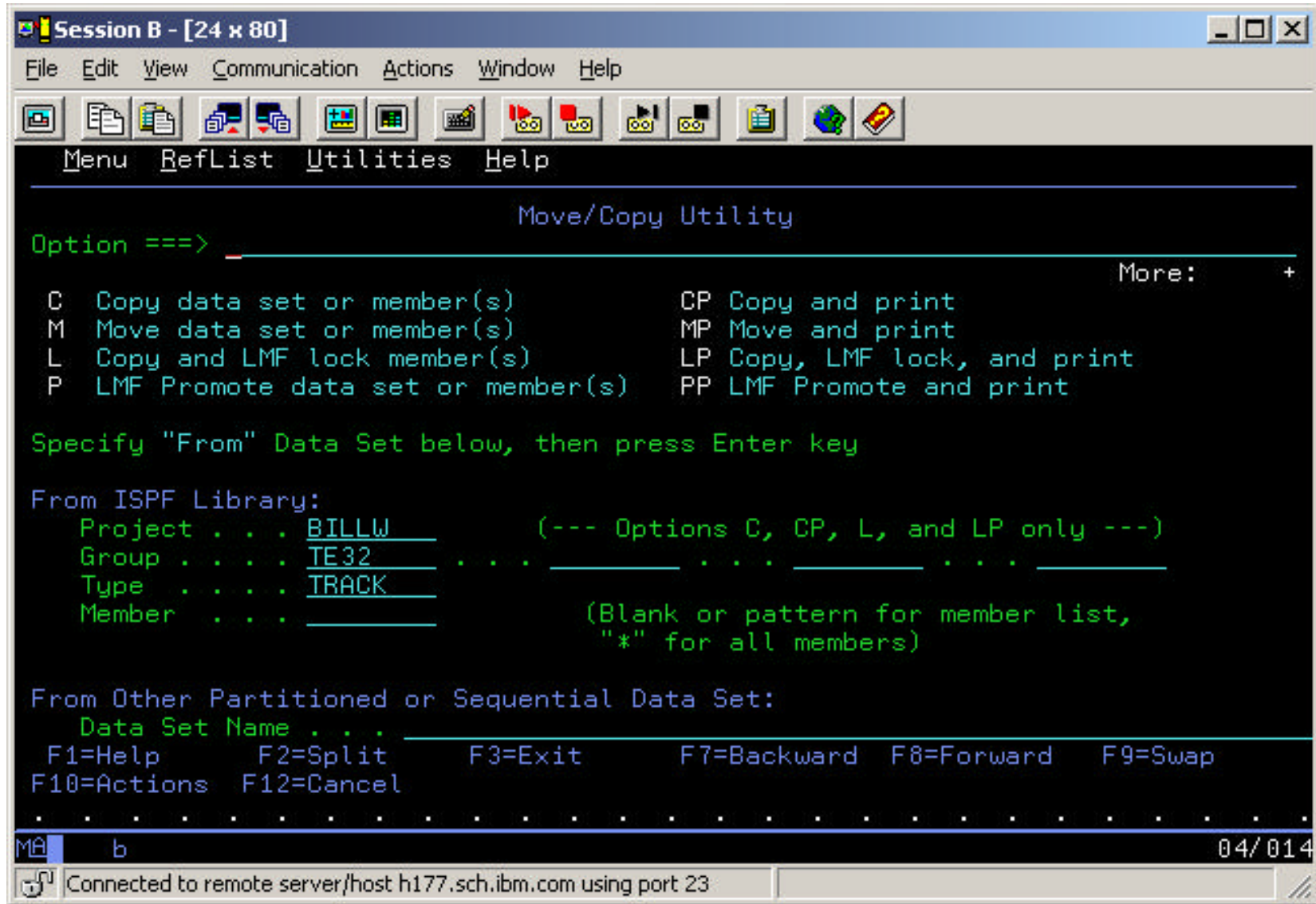
This will return you to the Data Set Utility panel.

06) Input an **A** in the **Option ==>\_\_** input field and overwrite the value in the Data Set Name field with a value such as 'EDI.CICSTDI6.TD02', where 'EDI' is the high-level qualifier for WDI, 'CICSTDI6' is the CICS region that you will be using and 'TD02' is the TD Queue that you will be using. If you are using a different CICS region, then supply that name. Likewise, if you are using a different TD  
ke.sk

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

07) Input =3.3 in the **Option** ==> \_\_ input field and press the **ENTER** key.

This should result in the Move/Copy Utility panel.



The screenshot shows a terminal window titled "Session B - [24 x 80]". The menu bar includes "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main display area shows the "Move/Copy Utility" panel. At the top, it says "Option ==> \_" with a cursor. Below this is a list of options: C (Copy data set or member(s)), M (Move data set or member(s)), L (Copy and LMF lock member(s)), P (LMF Promote data set or member(s)), CP (Copy and print), MP (Move and print), LP (Copy, LMF lock, and print), and PP (LMF Promote and print). A "More: +" button is visible on the right. The panel prompts the user to "Specify 'From' Data Set below, then press Enter key". It then shows fields for "From ISPF Library:" with values: Project . . . BILLW, Group . . . TE32, Type . . . TRACK, and Member . . . . A note indicates that options C, CP, L, and LP are only valid for ISPF libraries. Below this, it prompts for "From Other Partitioned or Sequential Data Set:" with a field for "Data Set Name . . .". At the bottom, there are function key definitions: F1=Help, F2=Split, F3=Exit, F7=Backward, F8=Forward, F9=Swap, F10=Actions, and F12=Cancel. The status bar at the bottom shows "MA b" on the left, "04/014" on the right, and "Connected to remote server/host h177.sch.ibm.com using port 23" at the very bottom.

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
Menu RefList Utilities Help
Move/Copy Utility
Option ==> _
More: +
C Copy data set or member(s)      CP Copy and print
M Move data set or member(s)     MP Move and print
L Copy and LMF lock member(s)    LP Copy, LMF lock, and print
P LMF Promote data set or member(s)  PP LMF Promote and print

Specify "From" Data Set below, then press Enter key

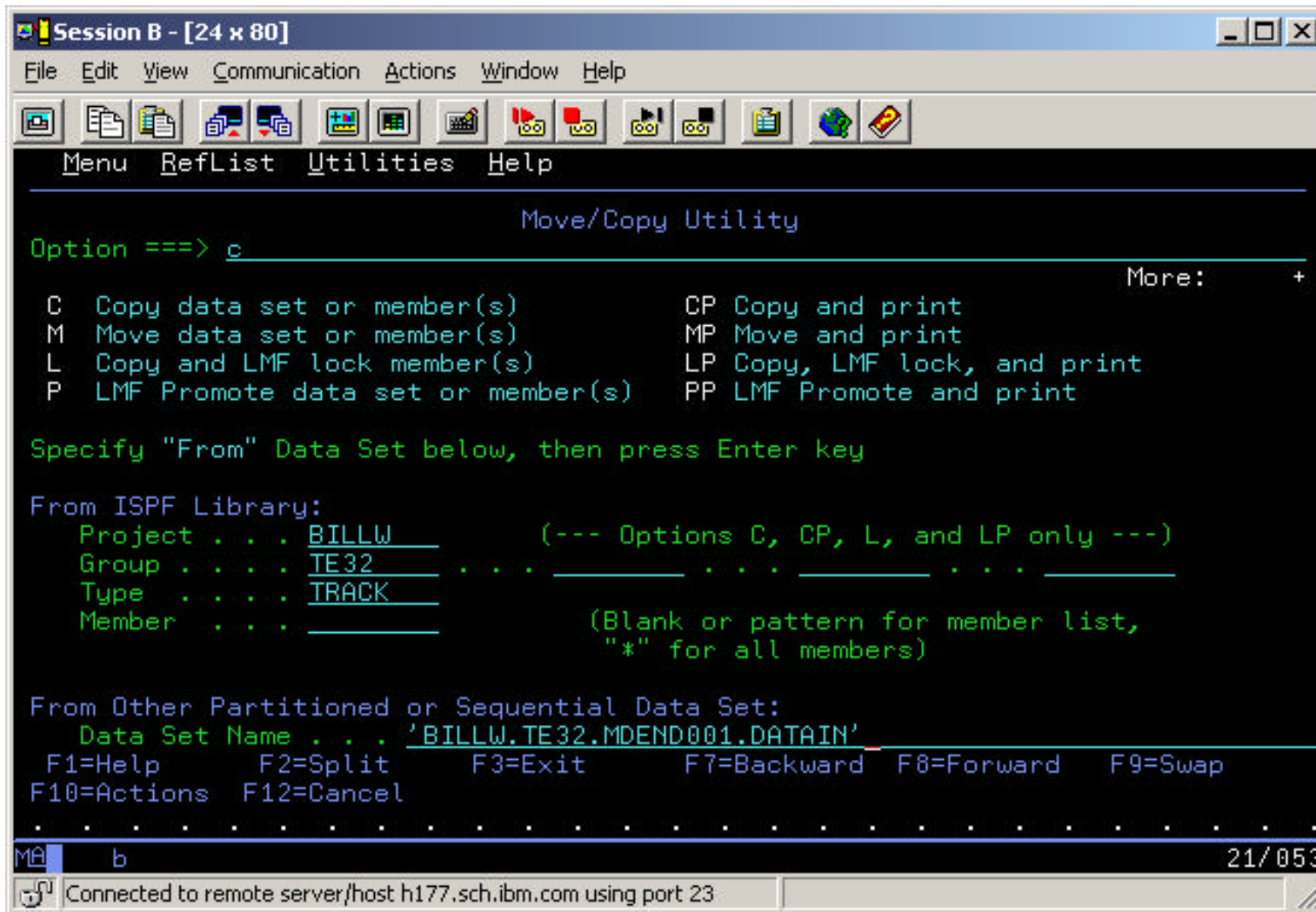
From ISPF Library:
Project . . . BILLW              (--- Options C, CP, L, and LP only ---)
Group . . . TE32
Type . . . TRACK
Member . . .                     (Blank or pattern for member list,
                                "*" for all members)

From Other Partitioned or Sequential Data Set:
Data Set Name . . .
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel

MA b
04/014
Connected to remote server/host h177.sch.ibm.com using port 23
```

**Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ)  
for use as input data with WebSphere Data Interchange**

08) Input a value of **C** in the **Option ==>** \_\_ input field, input the name of the data set whose data you wish to place in the CICS TD Queue in the **Data Set Name** input field and press the **ENTER** key.

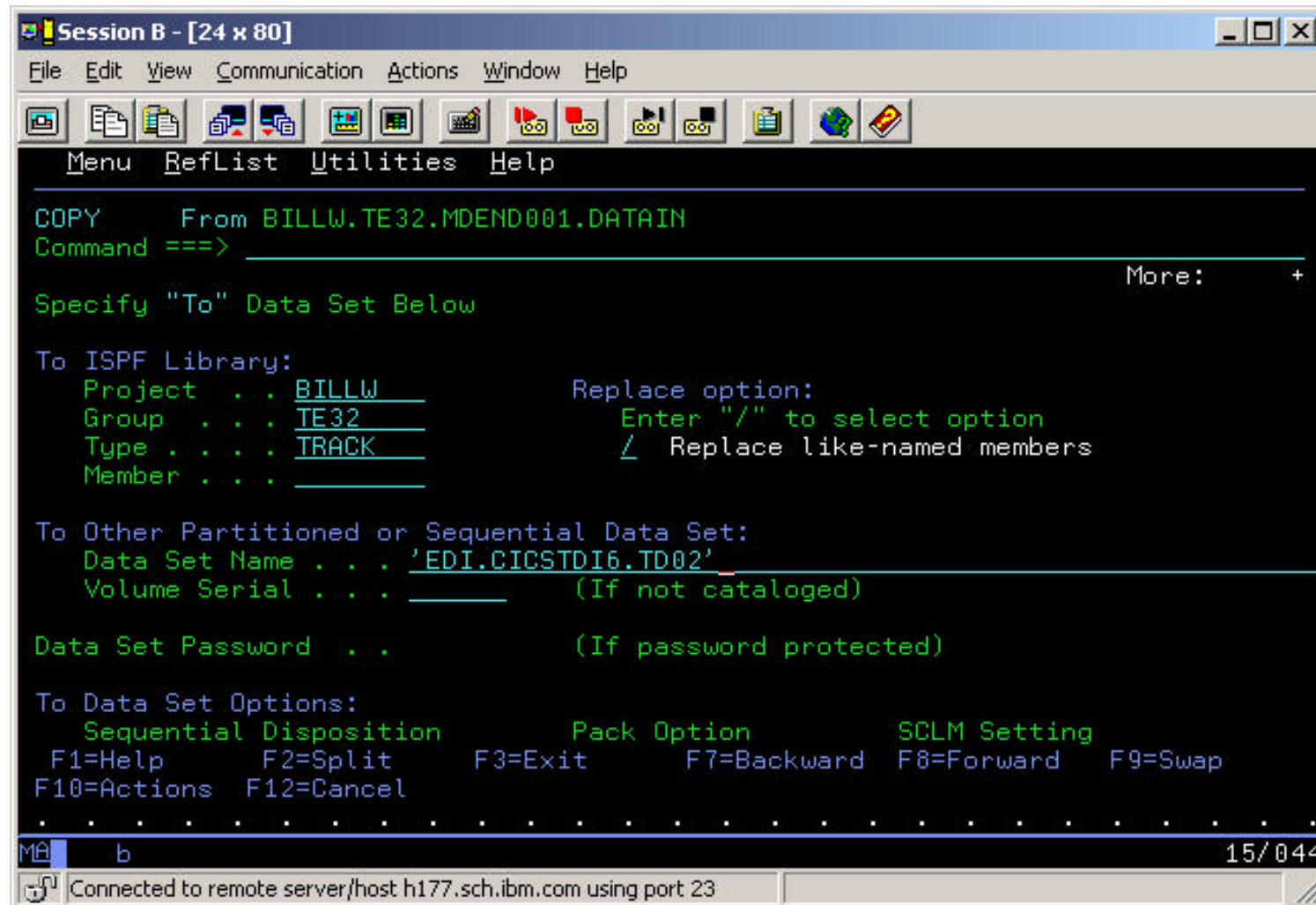


This should result in the second panel of the Copy Utility.

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

09) Input the name of the dataset that you will use for the CICS TD Queue in the **To Other Partitioned or Sequential Data Set** input field and press the **ENTER** key.

This should result in returning to the **Move/Copy Utility** panel with the message **Data set copied** in the upper right hand corner of the panel.



```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
Menu RefList Utilities Help
COPY      From BILLW.TE32.MDEND001.DATAIN
Command ==> _____
More: +
Specify "To" Data Set Below
To ISPF Library:
Project   . . . BILLW
Group    . . . TE32
Type     . . . TRACK
Member   . . . _____
Replace option:
Enter "/" to select option
/ Replace like-named members
To Other Partitioned or Sequential Data Set:
Data Set Name . . . 'EDI.CICSTDI6.TD02'
Volume Serial . . . _____ (If not cataloged)
Data Set Password . . . (If password protected)
To Data Set Options:
Sequential Disposition      Pack Option      SCLM Setting
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel
MA b 15/044
Connected to remote server/host h177.sch.ibm.com using port 23
```



## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

10) Now you will need to add the new dataset that you will be using in the CICS (region) Startup JCL. So, input either =2 (for Edit dataset Entry panel) or =3.4 (for Data Set List Utility) and input the name of the dataset that you use to startup the WDI (WebSphere Data Interchange) CICS region.

Example: 'EDL.CICSTDI6.JCL' and edit the startup JCL member CICSTDI6.

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

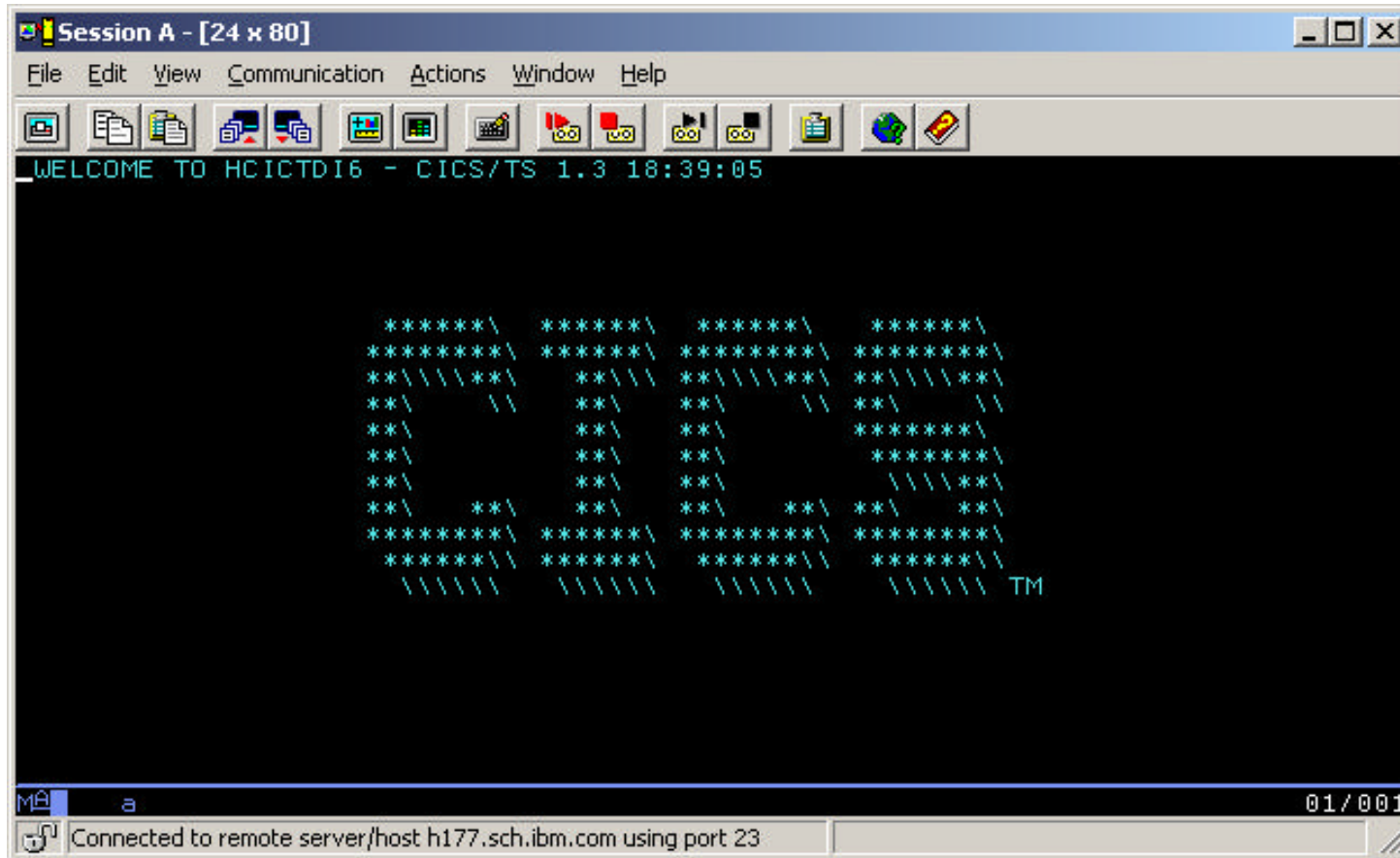
- 11) Add the name of the dataset that you defined and copied the input data in above within the Startup JCL and SAVE. Example: 'EDI.CICSTDI6.TD02'.

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      EDI.CICSTDI6.JCL(CICSTDI6) - 01.46      Columns 00001 00072
Command ==>                                     Scroll ==> HALF
000126 //VSAMFIL1 DD DISP=SHR,DSN=EDI.CICSTDI6.VSAMFIL1
000127 //VSAMFIL2 DD DISP=SHR,DSN=EDI.CICSTDI6.VSAMFIL2
000128 //VSAMFIL3 DD DISP=SHR,DSN=EDI.CICSTDI6.VSAMFIL3
000129 //VSAMFIL4 DD DISP=SHR,DSN=EDI.CICSTDI6.VSAMFIL4
000130 //VSAMFIL5 DD DISP=SHR,DSN=EDI.CICSTDI6.VSAMFIL5
000131 //*-----*
000132 //* DATA INTERCHANGE EXTRA - PARTITION *
000133 //*-----*
000134 //EDITD01 DD DISP=SHR,DSN=EDI.CICSTDI6.TD01
000135 //EDITD02 DD DISP=SHR,DSN=EDI.CICSTDI6.TD02
000136 //*-----*
000137 //* SYSTEM EXTRA PARTITION DATASETS *
000138 //*-----*
000139 //CDULDD DD SYSOUT=*
000140 //CSMTDD DD SYSOUT=*
000141 //CADLDD DD SYSOUT=*
000142 //CCPIDD DD SYSOUT=*
F1=Help      F2=Split      F3=Exit      F5=Rfind      F6=Rchange    F7=Up
F8=Down      F9=Swap       F10=Left     F11=Right     F12=Cancel

MA b 14/049
Connected to remote server/host h177.sch.ibm.com using port 23
```

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

- 12) If the CICS Region is active, it must be ended and restarted. If not, it can now be started (via inputting **SUBmit** command in the **Option** ==> \_\_ input field)..
- 13) When the CICS Region is active, logon/select it (via Service Manager product selection).  
This should result in a CICS screen something like the example below.



## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

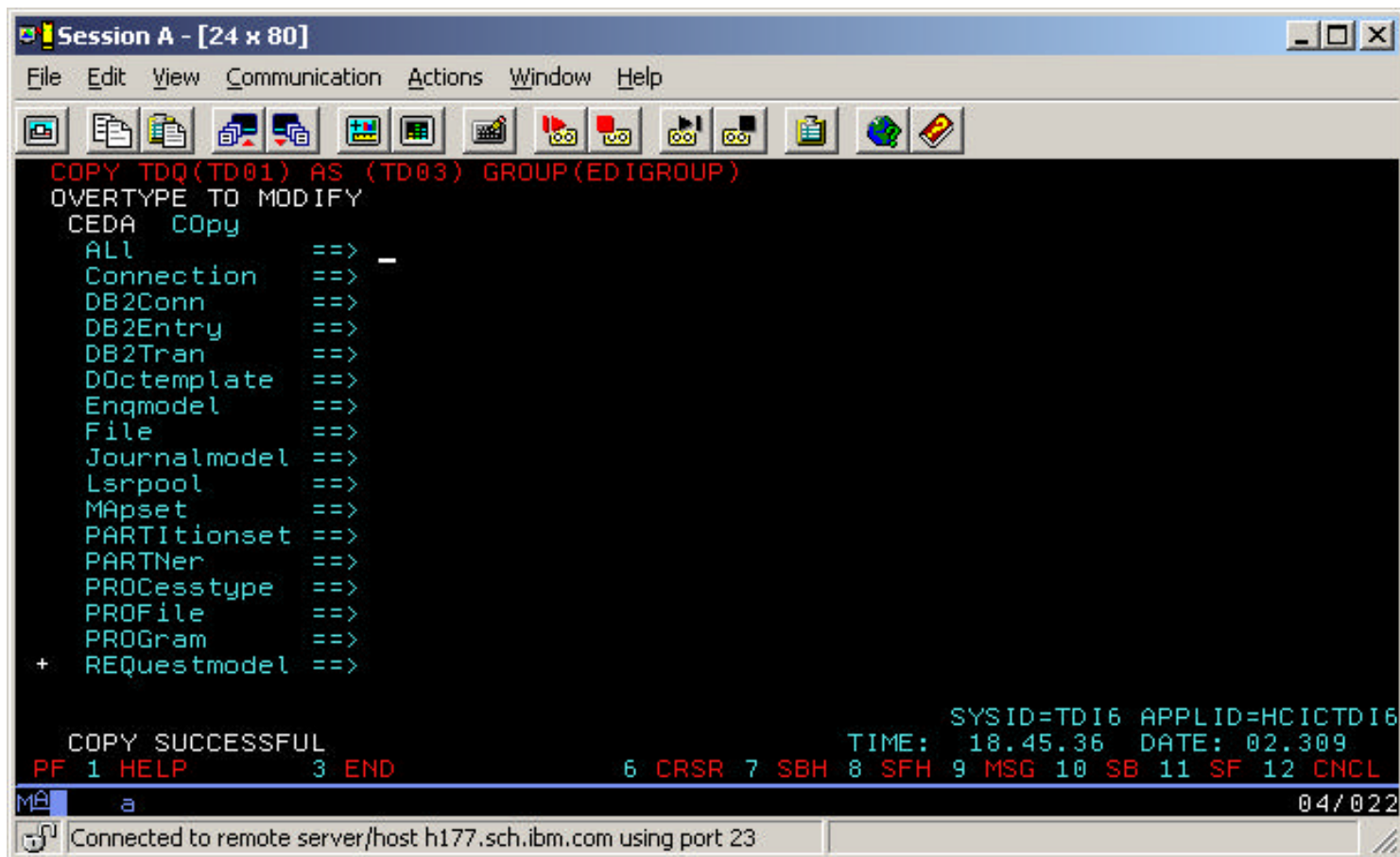
14) Press the **ESC**ape key or **Pause/Break** key or whichever key you have defined for Clear Screen. This should result in a blank/cleared screen.

15) You will now setup/define the TD Queue dataset to CICS.

Enter a command like the example below:

**CEDA COPY TDQUEUE(TD01) AS (TD02) GROUP(EDIGROUP)**

And press the **ENTER** key. This should result in a COPY SUCCESSFUL message.



```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
COPY TDQ(TD01) AS (TD02) GROUP(EDIGROUP)
OVERTYPE TO MODIFY
CEDA COPY
ALL ==> -
Connection ==>
DB2Conn ==>
DB2Entry ==>
DB2Tran ==>
D0ctemplate ==>
Enqmodel ==>
File ==>
Journalmodel ==>
Lsrpool ==>
MAppset ==>
PARTitionset ==>
PARTner ==>
PROcesstype ==>
PROfile ==>
PROGram ==>
+ REQuestmodel ==>

COPY SUCCESSFUL
SYSID=TD16 APPLID=HCICTD16
TIME: 18.45.36 DATE: 02.309
PF 1 HELP 3 END 6 CRSR 7 SBH 8 SFH 9 MSG 10 SB 11 SF 12 CNCL
M a 04/022
Connected to remote server/host h177.sch.ibm.com using port 23
```

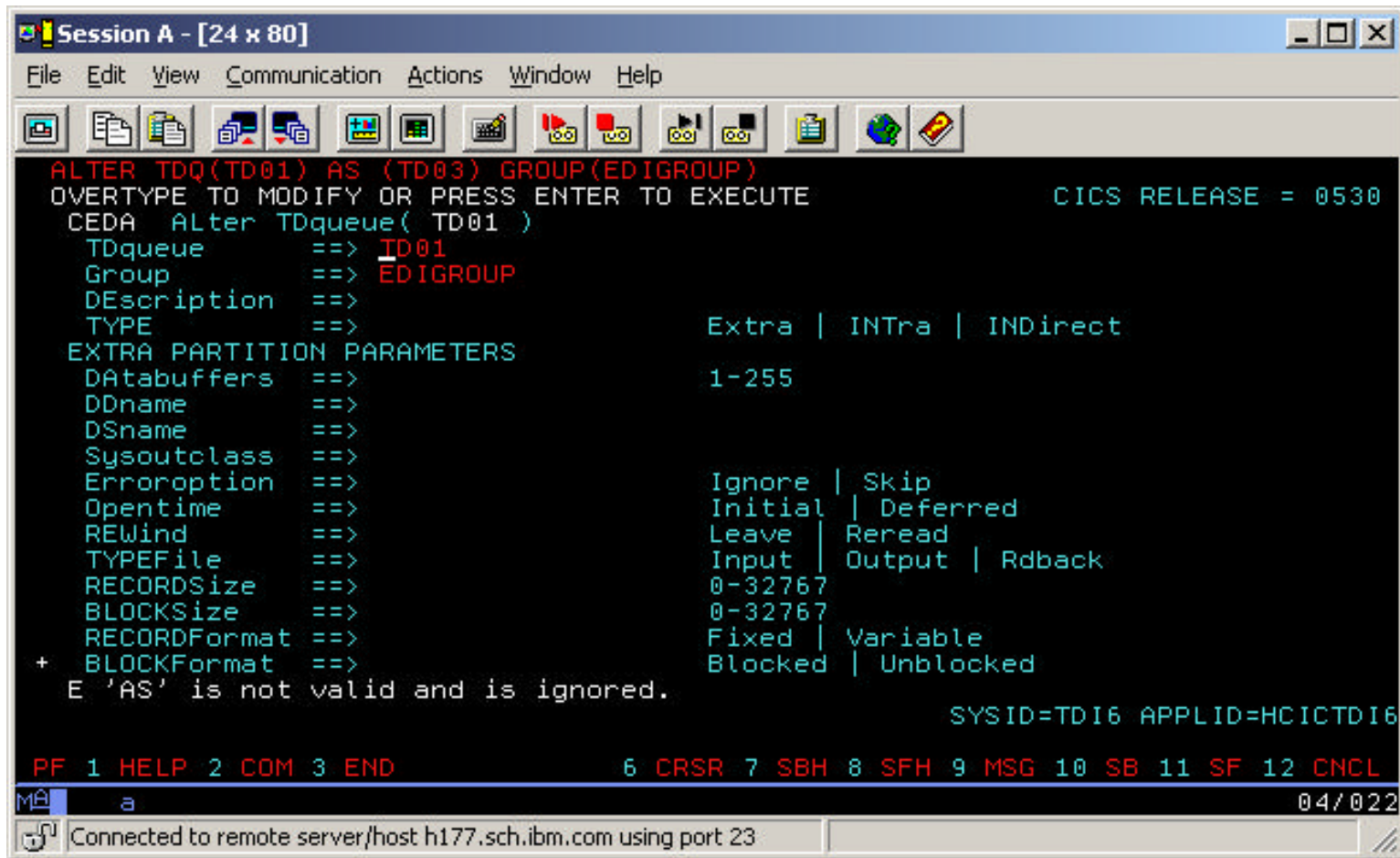
## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

16) Next you will alter the TD Queue properties by entering a command like the example below:

### **CEDA ALTER TDQUEUE(TD02) GROUP(EDIGROUP)**

This should result in the Alter Properties screen.

When you get the Alter Properties screen, modify the **TYPEFile**, **RECORDSize**, **BLOCKSize** and **RECORDFormat** values to match those of the dataset you created earlier and press the **ENTER** key.



```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
ALTER TDQ(TD01) AS (TD03) GROUP(EDIGROUP)
OVERTYPE TO MODIFY OR PRESS ENTER TO EXECUTE          CICS RELEASE = 0530
CEDA Alter TDqueue( TD01 )
TDqueue      ==> TD01
Group        ==> EDIGROUP
DDescription ==>
TYPE         ==> Extra | INTr | INDirect
EXTRA PARTITION PARAMETERS
Databuffers ==> 1-255
DDname      ==>
DSname      ==>
Sysoutclass ==>
Erroroption ==> Ignore | Skip
Opentime    ==> Initial | Deferred
REWind      ==> Leave | Reread
TYPEFile    ==> Input | Output | Rback
RECORDSize  ==> 0-32767
BLOCKSize   ==> 0-32767
RECORDFormat ==> Fixed | Variable
+ BLOCKFormat ==> Blocked | Unblocked
E 'AS' is not valid and is ignored.
SYSID=TDI6 APPLID=HCICTDI6
PF 1 HELP 2 COM 3 END          6 CRSR 7 SBH 8 SFH 9 MSG 10 SB 11 SF 12 CNCL
MA a                                04/022
Connected to remote server/host h177.sch.ibm.com using port 23
```

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

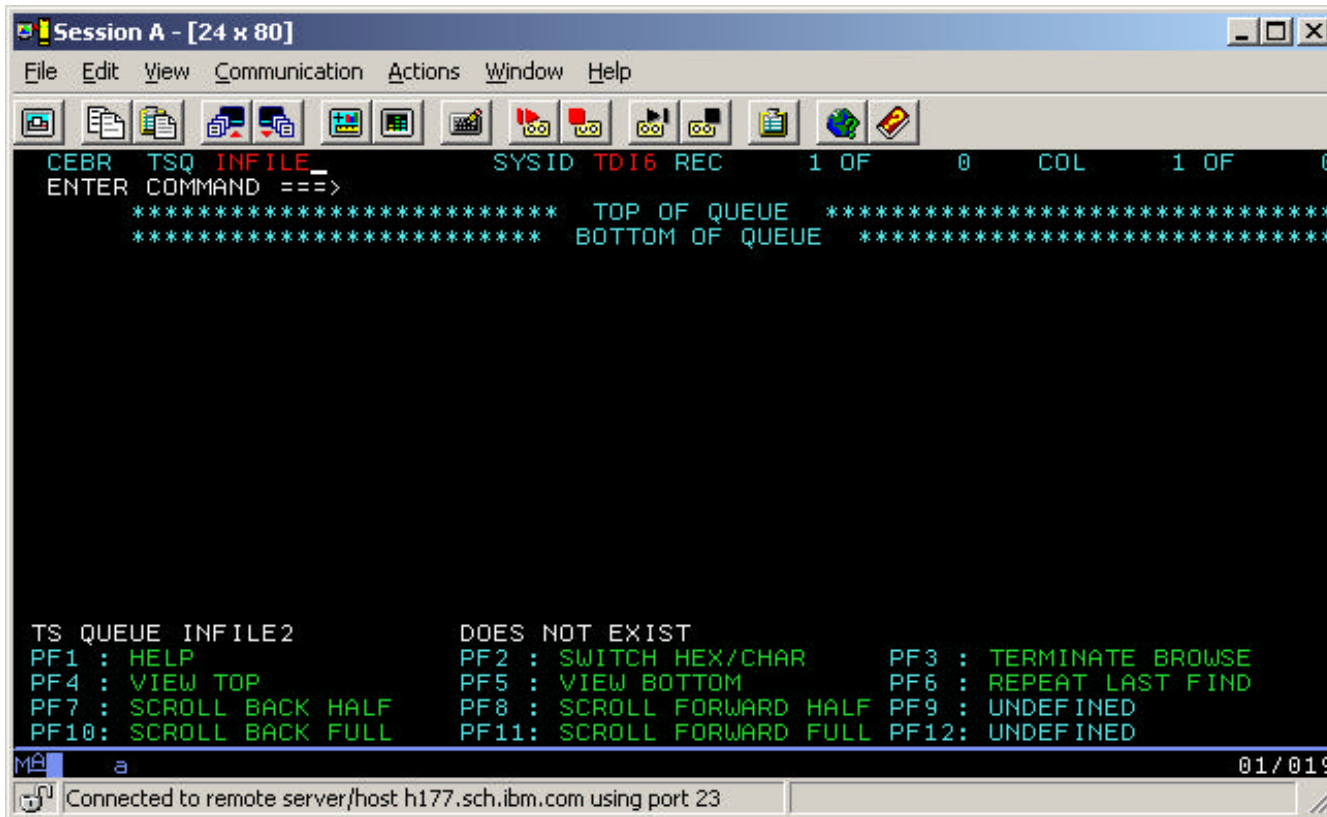
17) Next you will install the TD Queue to CICS by entering a command like the example below:

**CEDA INSTALL TDQUEUE(TD02) GROUP(EDIGROUP)**

18) **NOTE:** Since you can only use a TD Queue (TDQ) once without resetting, it is better to use a Temporary Storage Queue (TSQ). To use the data that you loaded in the TDQ to the TSQ, perform the next two steps.

19) Clear Screen and input a command that will browse a TSQ.

Example: **CEBR INFILE** , where **INFILE** is the name of the TSQ that you will be using in your **PERFORM** command in the CICS Utility. If it does not exist (yet) you will get a Message stating that TS QUEUE (INFILE) DOES NOT EXIST.

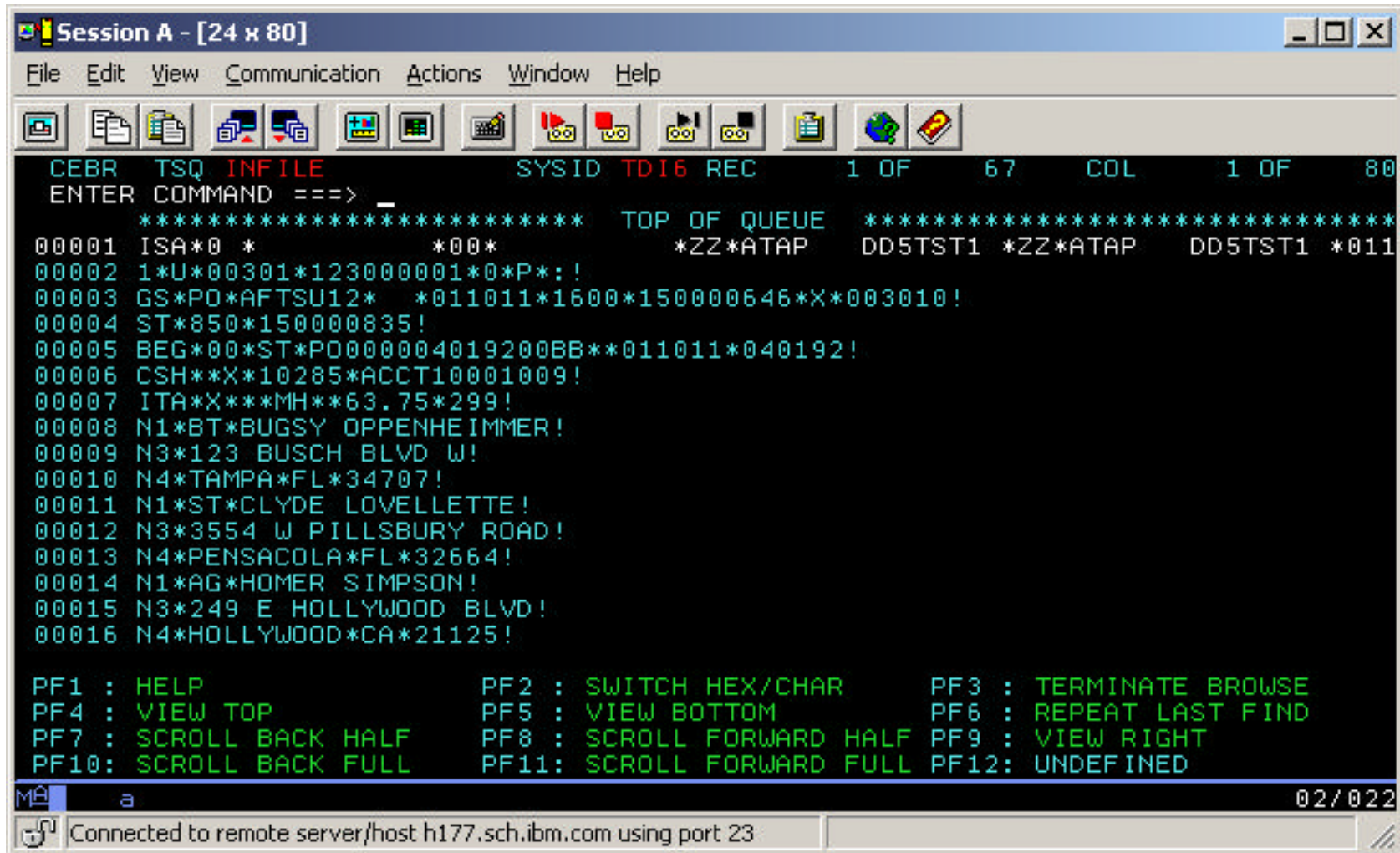


```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
CEBR TSQ INFILE_ SYSID TD16 REC 1 OF 0 COL 1 OF 0
ENTER COMMAND ==>
***** TOP OF QUEUE *****
***** BOTTOM OF QUEUE *****

TS QUEUE INFILE2 DOES NOT EXIST
PF1 : HELP PF2 : SWITCH HEX/CHAR PF3 : TERMINATE BROWSE
PF4 : VIEW TOP PF5 : VIEW BOTTOM PF6 : REPEAT LAST FIND
PF7 : SCROLL BACK HALF PF8 : SCROLL FORWARD HALF PF9 : UNDEFINED
PF10: SCROLL BACK FULL PF11: SCROLL FORWARD FULL PF12: UNDEFINED
01/019
Connected to remote server/host h177.sch.ibm.com using port 23
```

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

- 20) Input **GET TD02** to load the input data in the TSQ (Temporary Storage Queue).  
The input data should now appear.



The screenshot shows a terminal window titled "Session A - [24 x 80]". The window has a menu bar with "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main display area shows the following text:

```
CEBR TSQ INFILE          SYSID TD16 REC      1 OF      67      COL      1 OF      80
ENTER COMMAND ==> _
***** TOP OF QUEUE *****
00001 ISA*0 *              *00*              *ZZ*ATAP      DD5TST1 *ZZ*ATAP      DD5TST1 *011
00002 1*U*00301*123000001*0*P*;!
00003 GS*PO*AFTSU12*      *011011*1600*150000646*X*003010!
00004 ST*850*150000835!
00005 BEG*00*ST*PO000004019200BB**011011*040192!
00006 CSH**X*10285*ACCT10001009!
00007 ITA*X***MH**63.75*299!
00008 N1*BT*BUGSY OPPENHEIMMER!
00009 N3*123 BUSCH BLVD W!
00010 N4*TAMPA*FL*34707!
00011 N1*ST*CLYDE LOVELLETTE!
00012 N3*3554 W PILLSBURY ROAD!
00013 N4*PENSACOLA*FL*32664!
00014 N1*AG*HOMER SIMPSON!
00015 N3*249 E HOLLYWOOD BLVD!
00016 N4*HOLLYWOOD*CA*21125!

PF1 : HELP                PF2 : SWITCH HEX/CHAR      PF3 : TERMINATE BROWSE
PF4 : VIEW TOP            PF5 : VIEW BOTTOM          PF6 : REPEAT LAST FIND
PF7 : SCROLL BACK HALF   PF8 : SCROLL FORWARD HALF PF9 : VIEW RIGHT
PF10: SCROLL BACK FULL   PF11: SCROLL FORWARD FULL PF12: UNDEFINED
```

At the bottom of the terminal, there is a status bar showing "MA a" on the left, "02/022" on the right, and "Connected to remote server/host h177.sch.ibm.com using port 23" in the center.

## Creating a CICS Transient Data Queue (TDQ)/Temporary Storage Queue (TSQ) for use as input data with WebSphere Data Interchange

21) Clear Screen and enter **EDIW** to begin using the WDI (WebSphere Data Interchange) Utility.

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
DataInterchange for CICS Utility Invocation 01
-----
Syncpoint Value.....:          Utility Response Prog:
Command File Name.....:          Utility Response Type:
Command File Type.....:          Terminal ID.....:
Command Delimiter.....:          Process Net Ack File.:
Print File Name.....:           Process Net Ack Type.:
Print File Type.....:           Multiple TSQ Mode....:
Report File Name.....:          User Area.....:
Report File Type.....:
Exception File Name..:
Exception File Type..:          Return Code.....:
Tracking File Name...:          Extended Return Code.:
Tracking File Type...:          Abend Code.....:
Query File Name.....:           Func Ack Built.....:
Query File Type.....:           Func Ack Ret Code....:
Application ID.....:           Func Ack Ext Ret Code:
Language ID.....:              Func Ack File Name...:
Command Statements...: _
-----
F3=End  F4=Dlt  F7=Bwd  F8=Fwd  F9=Clr  Msgf? N  Link? Y  Wait? N  Caps? Y
Má a 19/028
Connected to remote server/host h177.sch.ibm.com using port 23
```