

Utilities for Teleservices

This chapter covers the following topics:

- D-TELEX
 - X-BLG-M
 - TELEXE
 - X-BSTOP
-

D-TELEX

Function

Enables users to trace the events which occur on the terminal line between the TOPCALL, GNT, or CAESAR system and the Natural telex driver on the host. Additionally, users can check when the last interaction between the Telex, Teletex, or Telefax driver and the connected hardware occurred.

Execution

If this program is added as an Application in the user's cabinet, it can be invoked from any point in Con-nect . For further information, see the *Con-nect User's Guide*, section *Applications*. Otherwise, it can be invoked from the SYSCNT2T library by entering D-TELEX at the Next prompt.

The following screen is displayed.

Note:

If this program is added as an Application in the user's cabinet with the "User" defined as a parameter, this screen is not displayed.

```
FOR USER _____  
FUNCTION _ 0=DISPLAY 1=START 2=STOP
```

For User

The user ID running the Con-nect Teleservices driver.

Function

0=DISPLAY	Display the traced events. Events cannot be traced unless this trace feature has been initialized for the specified communication line by specifying 1 (e.g. user TELEX).
1=START	Begin tracing the communication line. Once the trace feature is started, it continues to trace the line until the system is rebooted, or you select the stop function. To activate the trace facility, the user defined for the terminal line must be restarted. To do so, logoff and restart the telex driver.
2=STOP	Stop tracing the communication line.

If you select the START function, the trace feature is activated and you are returned to the menu in which you called the d-telex program. For example, if you have defined the d-telex program as an application in your cabinet and you call it from the main menu, you are returned to the main menu.

If you select the DISPLAY function, similar information as shown below is displayed:

```

16. 16:07:48 *** TOP-CALL TELEX ***   ROLL -> 2 MIN 57 SEC
16. 16:10:46 D..2Q?R??
16. 16:10:48 D?D+++++A:+EMPTY?D318 keine Nachricht?E?
16. 16:10:49 *** TOP-CALL TELEX ***   ROLL -> 2 MIN 57 SEC
16. 16:18:31 D..2Q?R??
16. 16:19:12 D?D+++++A:+EMPTY?D318 keine Nachricht?E?
16. 16:20:11 *** TOP-CALL TELEX ***   ROLL -> 1 MIN 20 SEC
16. 16:21:49 D..2Q?R??
16. 16:21:54 D?D+++++A:+EMPTY?D318 keine Nachricht?E?
16. 16:21:55 *** TOP-CALL TELEX ***   ROLL -> 2 MIN 54 SEC

```

The first column on the left-hand side contains the current date. The next column contains the time the message was sent to the TOPCALL, CAESAR or GNT system, while the remaining information contains the protocol element (message, event) that was sent to the TOPCALL, CAESAR or GNT system.

Note:

This trace program does not store log records until they are physically deleted. Rather, approximately two pages worth of log records are stored, with the oldest records overwritten with the most current records.

X-BLG-M

X-BLG-M can only be used with a TOPCALL system.

Function

This program is an extended trace facility which enables the administrator to observe significant events that occur during the execution of Con-nect Teleservices routines.

To activate the extended trace program, the #TC-TRACE-ENABLED switch in the startup program TLXDRV must be set to <TRUE>, and the user defined for the terminal line must be restarted. To perform a restart, you logoff and restart the telex driver.

Notes:

1. If the extended trace program is continuously running, a large amount of your spool file's storage space will be utilized.
2. If this program is to be disabled, the remaining records should be deleted.

Execution

With this program, Con-nect Teleservices can keep log information for each significant action and, thus, facilitate problem determination and general supervision by the administrator. Significant events include initialization, incoming and outgoing telex, telefax or teletex mail items, uploading charge files and journals from the telex system to Con-nect , as well as other exceptional conditions.

This program can be added as an *Application* in the user's cabinet and, thus, can be invoked from any point in Con-nect. For further information, see the *Con-nect User's Guide*, section *Applications*. Otherwise, it can be invoked from the SYSCNT2T library by entering X-BLG-M at the Next prompt.

The following screen is displayed:

```

1:55 PM          * * * C O N - T A C T 3 * * *          14.Feb.94
Cabinet LS      Log Information Maintenance            X-BLG-M

Cmd Program    Log Time          Ty Log Info
-----
___ X-BIO3      94-03-02 09:47:50 O D?R??
___ X-BIO3      94-03-02 09:49:43 I T?
___ X-BIO3      94-03-02 09:49:43 O D..2EOT,BREAK=1?D..2END?D..2C,R=B:TTC???????
___ X-BIO3      94-03-02 09:50:08 I D?D+++++B:+INHALT?D?D930311 0949?DKENNUNG
___ X-BIO3      94-03-02 09:50:08 M *** TOP-CALL TELEX ***  INITIALIZED
___ X-BIO3      94-03-02 09:50:08 O D..2P,D=930311,T=0950?D..2Q?R??
___ X-BIO3      94-03-02 09:50:11 I D?D+++++A:+EMPTY?D318 keine Nachricht?E?
___ X-BIO3      94-03-02 09:50:11 M *** TOP-CALL TELEX ***  ROLL -> 2 MIN 57 SE
___ X-BIO3      94-03-02 09:53:08 O D..2Q?R??
___ X-BIO3      94-03-02 09:53:11 I D?D+++++A:+EMPTY?D318 keine Nachricht?E?
___ X-BIO3      94-03-02 09:53:12 M *** TOP-CALL TELEX ***  ROLL -> 2 MIN 57 SE
___ X-BIO3      94-03-02 09:56:09 O D..2Q?R??
___ X-BIO3      94-03-02 09:56:12 I D?D+++++A:+EMPTY?D318 keine Nachricht?E?
___ X-BIO3      94-03-02 09:56:12 M *** TOP-CALL TELEX ***  ROLL -> 2 MIN 57 SE
Commands:
Enter a command, press a PF-key, or enter * to list commands
DI Display  ER Erase  TO Top  DB DispBuffer          (YYYYMMDDHHMMSS)
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
          QUIT          ERAL  -      +      --
    
```

Program

The name of the program which generated the log record.

Log Time

The time the log record was created.

Ty

Type of event. These values are used internally by Con-nect Teleservices. The following values are used:

O	Outgoing message from Con-nect Teleservices.
I	Incoming message to Con-nect Teleservices.
M	Informational message from Con-nect Teleservices.

Log Info

Information used for tracing.

Position to Log Time

If the list is longer than one page you can enter a date and time in this line to scroll to the specified date and time.

You can enter the following command aliases in the Cmd column for each log record displayed:

DI	Displays additional information pertaining to the log record.
ER	Erases the selected log record. You are not asked to confirm the deletion, it is erased immediately
TO	Scrolls the selected log record to the top of the screen.
DB	Displays the message as it was sent or received. This command is useful if a full screen protocol is used to communicate between the telex system and the Con-nect Teleservices driver.

You can use the following PF-keys to page through the list of log records:

PF8	Display the previous page (-).
PF9	Display the next page (+).
PF10	Display the first page (--).
PF11	Display the last page (++)

TELEXE

Function

Enables users to display the delivery status of the telexes, teletexes, or telefaxes sent from their cabinets.

As a supervisor, the delivery status of all telexes, teletexes and telefaxes can be displayed.

Execution

If this program is added as an Application in the user's cabinet, it can be invoked from any point in Con-nect . For further information, see the *Con-nect User's Guide*, section *Applications*. Otherwise, it can be invoked from the SYSCNT2T library by entering TELEXE at the Next prompt.

Note:

If you have supervisor status, enter the TELEXE password at the Next prompt. Without the password only the telexes, teletexes and telefaxes you have sent will be displayed. To obtain the password, contact your Software AG representative.

As a result, the following screen is displayed:

Status	Number	To / Subject	Date/Time
Waiting	F061519213904	To: jms Subject: Test Results	19940212 14:33:34
Process	F922610	To: eas Subject: Test Results	19940212 17:03:34
Sent	4197104	To: jcs Subject: Important Information	19940212 18:05:51
	Rej rej		

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---

It displays the current status of all telexes, teletexes and telefaxes which you have sent from your cabinet. Each event contains the following information:

Status

The status of the telex, teletex, or telefax. It can be one of the following:

Waiting	The message is currently in the Con-nect spool file, waiting to be transmitted to the telex, telefax, or teletex system.
Process	The message is being transmitted from the Con-nect spool file to the connected telex, teletex, or telefax system.
Sent/Rej.	The message is delivered or could not be delivered to the external telex, telefax, teletex addressee and a corresponding status notification is sent to the originator's Con-nect cabinet. For information on rejected telexes and telefaxes, see <i>Rejected Telexes</i> .

Number

The number which was used to send the telex, teletex, or telefax message. In the case of a Telefax, the letter F is inserted in front of the number, while the letter T is inserted in front of the Teletex number. No letter is inserted in front of a Telex number.

Note:

If this program is activated with the TELEXE password, the name and user ID of the originator is displayed below the status and number of the telex, teletex, or telefax.

To / Subject

The addressee's name and the subject of the telex, teletex, or telefax as specified in the "To" and "Subject" lines on the "Send Telex/Teletex/Telefax to *Node-name*" window.

Date/Time

Date and time the Con-nect Teleservices Send function was called.

Rejected Telexes

Telexes which cannot be delivered to the specified addressee are indicated in the "Status" column with Rej "NNN", where "NNN" is one of the following codes:

Code	Description
rej	General error
abf	Garbled reception of answerback
abd	Number in receiver's answerback does not match the selected national number
abs	Subscriber absent, connection switched off
ci	Conversation with this connection impossible
der	Connection disturbed
df	Connection successful
inf	Momentarily not reachable, call information
na	Communication with this subscriber not allowed (sometimes instead of occ, nc, der)
nc	All lines busy
nch	Number changed, call information
np	Selection number leads to no telex connection
occ	Desired connection busy
spp	Receiver was also writing, disconnected
usc	Non-interpretable character received

Rejected Telefaxes

Telefaxes which cannot be delivered to the specified addressee are indicated in the "Status" column with one of the following codes:

Code	Description
Rej rej	General error
Rej NNN	Number not relevant

TOPCALL Systems

If the API subprogram X-BO-U is activated, you can obtain a detailed description as to why the mail item cannot be delivered to the addressee. For further information, see the *Connect Installation and Operations* documentation, section *User Modifications*.

X-BSTOP

Function

Enables the Con-nect Teleservices administrator to stop the Con-nect Teleservices driver in between the driver's "sleeping time" as specified in the TLXDRV program.

Execution

If this program is added as an Application in the user's cabinet, it can be invoked from any point in Con-nect . If you specify IN-USER-ID and MAX-TIME as parameters when adding the program as an application, you can circumvent the X-BSTOP screen. For further information, see the *Con-nect User's Guide*, section *Applications*. Otherwise, this program can be invoked from the SYSCNT2T library by entering X-BSTOP at the Next prompt.

If you have not added this program as an application with IN-USER-ID and MAX-TIME defined as parameters, the following screen is displayed:

#IN-USER-ID	#MAX-TIME
-------------	-----------

IN-USER-ID

Enter the user ID running the Con-nect Teleservices driver.

MAX-TIME

The number of minutes the program will wait before stopping the Con-nect Teleservices driver. The time specified here must be greater than the sleeping time specified in the TLXDRV program. Valid values are: " " (blank), or 0 through 999.

If no time limit is specified in parameter MAX-TIME, this program sets a flag in the spool file, exits and the screen from where you called this program is displayed. You are not notified when the driver is stopped, but the next time the driver checks the spool file, the driver is stopped.

If you specify a time limit, this program sets a flag in the spool file but does not exit until the driver is stopped. Thus, your terminal is locked until then.

If for any reason the driver stops itself during the time limit specified in parameter MAX-TIME, the driver automatically erases the flag.

The following program can be included in program X-STOP so that you are notified when the driver is stopped.

```
HIST. HISTOGRAM SPOOL-VIEW DIR-KEY FROM #X-BSTOP-KEY THRU #X-BSTOP-KEY
END-HISTOGRAM
IF *COUNTER(HIST.) GT 0
    CALL 'CMROLL' #ROLLOUT      /* WAIT 1 MINUTE
ELSE
    WRITE 'DRIVER HAS STOPPED' /* ADD MESSAGE FOR USER
    ESCAPE ROUTINE             /* DRIVER HAS STOPPED WORKING
END-IF
```