REVISION CONTROL SHEET

Issue 7, Revision 13 of the COSMOS User Guide: Line User Transactions
(BR 753-303-600) contains supplemental material needed to support COSMOS
software version 17.2.9.

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DOCUMENTATION PRODUCTION AND CONTROL
NOTICE OF DOCUMENTATION UPDATE

Product Name: COSMOS

Type of Update

( ) Initial Release of New Document
(x) Maintenance Release to Existing Document

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Issue 7, September 1984
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Release 17.2.9

COSMOS Userguide:
Line User Transactions
Volume A through L

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Iss. 7/Rev. 6 = 17.0   (UNIX-based systems)
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TRANSACTION CODE: FOR

Frame Order Report

GENERAL REMARKS

FOR prints frame output for service orders and work orders having a specified frame due date, range of frame due dates, or specified order number.

Required input is a frame due date or an order number on an H-line.

Additionally, output may be requested by range of frame due dates, order type, order category, and service segment.

Orders may be listed that do not have the specified characteristics by entering

an exclamation point (!) after the input data (i.e., H FDD ID/OT NC!). Inputs
of 'SG !' and 'OC !' print orders with a blank segment group and/or blank order
category, respectively.

Reprints are requested with "REP Y". Reprints may be further limited by
entering the frame time (FT) option. The frame time is the hour the frame
output was originally printed. Time is entered in hours (24 hour time). For
example, if original FOR was executed at 2:15, and FT 14 was entered, any FORs
printed between 2:00 and 2:59 will be reprinted. A range can also be entered.

"OP SUM" in combination with any other input counts the number of frame outputs
that match the specifications.

Output may be routed to a remote terminal by specifying the TTY (OD TTX...X),
frame location (FR FYY) and/ or NNX (NNX XXX). Only the frame output containing
the specific frame location or NNX will be printed at the designated terminal.
Withdrwal messages, CDD messages, etc., will not be sent to a remote terminal,
because they do not contain a frame LOIS on the circuit ID line. If the circuit
ID was a TN and the same NNX was entered, this message is transmitted. All
output is printed at the main terminal.

FOR also generates frame output for service observing loops. This will be
output in a list format.

Multiple H-lines are permitted. A period (.) signifies end of input.

<center>SUMMARY OF INPUT</center>

1. Print Frame Output by Order.

   H ORD XXX...X

2. Print Frame Output by Single Frame Due Date.

   H FDD MM-DD-YY/OT ZZZ/SG M/REP Y/FT HH;HH/OP SUM/OD TTX...X/
     FR FYY/NNX XXX

3. Print Frame Output by Frame Due Date Range.

   H FDD MM-DD-YY;MM-DD-77/OT XX/OC ZZZ/SG M/REP Y/FT HH; HH/OP SUM/
     OD TTX...X/FR FYY/NNX XXX

<center>TRANSACTION CODE: FOR</center>

FUNCTION	INPUT FORMATS	CONDITIONS
Print service and work orders by frame due date.	H FDD MM-DD-YY	If today's date is input, all orders up to the date input will be printed.
Print service and work orders by a range of frame due dates.	H FDD MM-DD-YY;MM-DD-YY	If today's date is part of a range, all orders up to the date input will be printed.
Print a specific order.	H ORD XXX...X	A notice is printed, if this is reprint.
Specify an order type.	H FDD/OT XXX	Valid input for XXX: NC=New connect CD=Complete Disconnect CH=Change LST=Line and Station Transfer LET=Line Equipment Transfer F=From

```
                                    T=To
                                  ACT=Assignment Change Ticket
                                  MCT=Maintenance Change Ticket
                                  SVL=Service Observing Loop
                                    R=Remarks
                                   CT=Cable Throw
--------------------------------------------------------------------------------
List all orders        H FDD/OT XXX!          Input for XXX, same as above.
except for the
specified type.
--------------------------------------------------------------------------------
Specify an order       H FDD/OC ZZZ           Valid input for ZZZ:
category.                                      3 alpha, numeric, or
                                              alphanumberic characters.
--------------------------------------------------------------------------------
List all orders        H FDD/OC ZZZ!          Input for ZZZ, same as above.
except for the
specified order
category.
--------------------------------------------------------------------------------
List all orders        H FDD/OC !
with a blank order
category.
--------------------------------------------------------------------------------



--------------------------------------------------------------------------------
                         TRANSACTION CODE: FOR
--------------------------------------------------------------------------------
FUNCTION               INPUT FORMATS                  CONDITIONS
--------------------------------------------------------------------------------
Specify a service      H FDD/SG M             Valid input for M:
segment.                                      R=Residential
                                              B=Business
                                              C=Coin
                                              S=Special
                                              0 to 9=Locally defined

                                              Other letters can also be
                                              locally defined.
--------------------------------------------------------------------------------
List all orders        H FDD/SG M!            Input for M, same as above.
except for the
specified service
segment.
--------------------------------------------------------------------------------
List all orders        H FDD/SG!
with a blank
service segment.
--------------------------------------------------------------------------------
Specify a reprint      H FDD/REP Y            This input will only print
of orders already                             orders for the specific FDD or
printed.                                      FDD range entered, even if
                                              today's date is incuded.
--------------------------------------------------------------------------------
Specify reprints       H FDD/REP Y/FT HH      Same as above.
by due time or a                              A maximum of five frame times,
due time range.        H FDD/REP Y/FT HH;HH   time ranges, or a combination is
                                              allowed.
                                              Time is the hour that the frame
                                              output was originally printed.
--------------------------------------------------------------------------------



--------------------------------------------------------------------------------
                         TRANSACTION CODE: FOR
--------------------------------------------------------------------------------
```

```
FUNCTION                INPUT FORMATS              CONDITIONS
-------------------------------------------------------------------------------
Direct output to a      H FDD/OD TTX...X/FR FYY    At least one FR or NNX must be
remote terminal.           /NNX XXX                specified.
                                                   A maximum of five FRs and/or
                                                   NNXs can be specified.

                                                   X...X represents the terminal
                                                   ID, following /dev/ on UTS
                                                   (/dev/tty on UNYSIS).
                                                   If that portion of the ID
                                                   contains a slash (/), substitute
                                                   an exclamation point (!) for the
                                                   slash. (For example, if the UTS
                                                   terminal ID is /dev/pts/3, enter
                                                   od ttpts!3)

                                                   OD TTX...X cannot be the main
                                                   terminal.
-------------------------------------------------------------------------------
Count the number        H FDD/OP SUM/<any option>
of frame outputs
that match the
input
specifications.
-------------------------------------------------------------------------------
```

TRANSACTION CODE: FWM

Frame Work Management

GENERAL REMARKS

FWM prints the work packages for a specific work location according to the
input.

FWM also prints individual frame and service orders. An input of a single FDD
(frame due date) will give data for all FDDs less than or equal to the input
FDD. A range of FDDs will process all FDDs within that range. To process one
FDD only, enter the same FDD as the beginning and end of the range
(e.g., FDD 7-12-90;7-12-90). The input for FWM follows:

A. Work Packages

   Required input is an H-line with one of the following: frame due date(s)
   and work location (1 through 8, or ALL), or a work package number and a work
   location (1 through 8, or ALL). One to three work locations may be
   specified. Work location "ALL" is used to print all work packages for the
   date or range of dates specified. One to three work package numbers may be
   specified. Optional H-line input is reprint (REP Y) and, when the work
   package number is not specified, one to three work package types (WPTs).

B. Other Orders

   Different types of orders may be derived by entering the appropriate OC
   (order category).

   Required input is an H-line with a frame due date and desired OC code. A
   reprint option, or a reprint option with an FT (frame time) may also be
   specified.

C. Frame Orders

   This option prints individual orders, MCTs, multicircuit orders, plus all
   attached ACTs.

   Required input is the order number, or order number and circuit identifier,

if you want only a single circuit from the order.

D. Other Options

   To direct output to a remote terminal, specify "OD TTX...X" after entering
   the input you prefer.

FWM also generates frame output for service observing loops. This will be
output in a list format.

A period (.) following H-line, signifies end of input.

                              SUMMARY OF INPUT

1. Print All Work Packages for the Specified Work Location(s).

   H WL XXX/FDD MM-DD-YY;MM-DD-YY/WPT ZZZ/REP Y

   H WPN YYYY/WL XXX/REP Y

2. Print Orders in a Specific Order Category.

   H OC XXX/FDD MM-DD-YY;MM-DD-YY/REP Y/FT RR;RR

3. Print Specific Frame Orders.

   H ORD XXX...X/fac ID

4. Direct Your Output to a Remote Terminal.

   H (any input above)/OD TTX...X

                          TRANSACTION CODE: FWM

FUNCTION   INPUT FORMATS   CONDITIONS

FUNCTION	INPUT FORMATS	CONDITIONS
Print work packages for specified work location(s) and date(s).	H FDD MM-DD-YY/WL XXX or H FDD MM-DD-YY;MM-DD-YY /WL XXX	A maximum of three work locations may be specified separated by slashes. Valid input for XXX: 1 to 8, or ALL.
Print work packages for the work location(s), work package type(s), and the date(s) specified.	H FDD MM-DD-YY/WPT ZZZ/ WL XXX or H FDD ID;ID/WPT ZZZ/WL XXX	Input for WL is the same as above. Valid input for ZZZ: 1 to 3 alphanumerics A maximum of three work package types may be specified, separated by slashes.
Print work packages by work location(s).	H WPN YYYY/WL XXX	Valid input for YYYY: 1 to 9999. Valid input for XXX: 1 to 8, or ALL A maximum of three work package numbers and/or

```
                                                        work locations may be
                                                        specified, separated by
                                                        slashes.
--------------------------------------------------------------------------------
List unprinted ACTs    H FDD ID/OC ACT
for the specified            ID;ID
date(s).
--------------------------------------------------------------------------------
Print administrative   H FDD ID/OC ADM
messages related to          ID;ID
frame orders for
specified date(s).
--------------------------------------------------------------------------------
List unprinted MCTs    H FDD ID/OC MCT              Only use the input "OC
for specified                ID;ID                  MCT" if there are no
date(s).                                            entries in the work package
                                                    table for packaging of
                                                    MCTs.
--------------------------------------------------------------------------------



--------------------------------------------------------------------------------
                          TRANSACTION CODE: FWM
--------------------------------------------------------------------------------
FUNCTION                      INPUT FORMATS                 CONDITIONS
--------------------------------------------------------------------------------
List unprinted orders   H FDD ID/OC XXX              Valid input for XXX:
with a nonpackagable          ID;ID                  a nonpackaged priority code
priority code for the                                from the wire center's work
specified date(s).                                   package table.
--------------------------------------------------------------------------------
List unprinted ACTs,    H FDD ID/OC NPK
MCTs, orders with a           ID;ID
nopackagable priority
code and print
administrative messages
related to frame orders
for the specified date(s).
--------------------------------------------------------------------------------
Reprint the desired OC  H FDD ID/OC XXX/FT RR/REP Y  FT (frame time) is in
for the specified frame                      RR;RR  military hours.
time(s).
                        or                           Valid input for RR:
                                                     1 to 24.

                                                     Valid input for XXX:
                        H FDD ID;ID/OC XXX/FT RR/REP Y ADM - Administrative
                                             RR;RR   ACT - Assignment
                                                           Change ticket
                                                     MCT - Maintenance
                                                           Change ticket
                                                     or a nonpackaged
                                                        priority code
                                                     or

                                                     NPK - all of the above

                                                     An OC is required
                                                     input, when specifying
                                                     an FT.
--------------------------------------------------------------------------------
Request a reprint of    H <any input above>/REP Y
desired input.
--------------------------------------------------------------------------------
Print a specific        H ORD XXX...X
service order.
--------------------------------------------------------------------------------
```

```
Print one circuit of  H ORD XXX...X/fac ID        Legal facility
a multiline order.                                 identifiers are TN, CP,
                                                   or OE.
-------------------------------------------------------------------------------


-------------------------------------------------------------------------------
                          TRANSACTION CODE: FWM
-------------------------------------------------------------------------------
FUNCTION                  INPUT FORMATS                  CONDITIONS
-------------------------------------------------------------------------------
Print the desired    H <any input>/OD TTX...X    X...X represents the terminal
                                                 ID, following /dev/ on UTS
                                                 (/dev/tty on UNYSIS). If that
                                                 portion of the ID contains a
                                                 slash (/), substitute an
                                                 exclamation point (!) for the
                                                 slash. (For example, if the
                                                 UTS terminal ID is /dev/pts/3,
                                                 enter od ttpts!3)
-------------------------------------------------------------------------------
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[EOF]
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COSMOS Userguide:
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Volume M through Z

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STN       1-2     6 - 7/1  - 7/3  -   -  -   -   -   -   -   - 7/12
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--------------------------------------------------------------------------------
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```

```
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-----------------------------------------------------------------------------
```

TRANSACTION CODE: RCP

Recent Change Packager

GENERAL REMARKS

Transaction RCP generates ESS, ETS, RSS, DMS-10, and DMS-100 recent change
messages for pendning service and work orders. Eligible orders are those
meeting H-line criteria. The messages are stored in the data base in recent
change packages. These messages can then be printed using transaction RCR.

An H-line input includes a maximum of ten orders types (OT), an order status
(STAT), a frame due date (FDD) or a frame due date range, the assigner's
initials (AI), a due time (DT), an order category (OC), and a segment code
(SG). Input can be entered on multiple H-lines. This input cannot process
orders that have already had their recent change messages generated. Remark and
reservation-type orders are ignored.

If no "FDD" input is specified, orders with today's due date and earlier are
processed. If a single frame due date is specified and is less than or equal to
today's date, all orders having today's due date and earlier are processed. If
a single frame due date is specified that is greater than today's due date,
only orders having that FDD are processed. When a frame due date range is
specified and contains today's date, all earlier orders up to the latest date
specified are printed.

Recent change messages can be printed for specific orders with H-line input or
the order number(s) and, optionally, the output device (OD). This input serves
two purposes:

1. It prints messages for orders that have already been processed by RCP.

2. If it is the first run of RCP for an order, it generates recent change
   message(s), stores them in the data base, and then prints the message.

Recent change messages can be printed in punctuated or unpunctuated form. If
the output device (OD) is specified, punctuation is appended to the messages
when printed. If "OD" is not specified, punctuation is not appended to the
messages, when printed.

The output device can be specified as either OD TT, OD TTX...X, OD TTX...X+, OD
MMS, or OD MTX. An input of "OD TT" sends the message output to the current
terminal. An input of "OD TTX...X" send output to the specified terminal. An
input of "OD TTX...X+" sends unpunctuated-message output to the current
terminal and punctuated-message output to the specified terminal. An input of
"OD MMS" sends the message output, including additional MARCH information, to
the current terminal. And by inputting "OD MTX", output is sent to a magnetic
tape.

By using ORD input, messages can be requested any number of times.

A period (.) on a separate line ends input and begins processing. A "Q" entered on a separate line terminates the transaction before processing.

Upon processing the eligible orders, RCP prints a summary of the number of orders in each package that had messages generated and prints the number of change notices created.

<div align="center">SUMMARY OF INPUTS</div>

1. Generates Recent Change Messages for All Orders with a Frame Due Date of Today or Earlier.

   H OP ALL

2. Generates Recent Change Messages that Meet Input Specifications.

   H OT XXX/STAT X/FDD MM-DD-YY;MM-DD-YY/AI XXXX/DT XXXXX/OC XXX/SG X

3. Print Unpunctuated Recent Change Messages for a Specific Order or Orders.

   H ORD XXX..X/ORD XXX..X/...

4. Print Punctuated Recent Change Messages for a Specific Order or Orders, Specifying an Output Device.

   H ORD XXX..X/.../OD TT
                    TTX...X
                    TTX...X+
                    MTX
                    MMS

                        TRANSACTION CODE: RCP

FUNCTION	INPUT FORMATS	CONDITIONS
Generate recent change messages for orders with a frame due date of today or ealier.	H OP ALL	
Generate recent change messages by order type	H OT XXX	Valid input for XXX: NC,CD,CH,T,F,LET,LST,MCT MCR,CT,RS,SS,DS, and RD. A maximum of ten OTs may be entered. Exception: Order type CT must be entered separately to generate CT messages.
Generate recent change messages by order status.	H STAT X	Valid input for X: M = Frame completed A = Plant completed P = Pending
Generate recent change messages by frame due date.	H FDD MM-DD-YY	If the FDD is greater than today's date, RCP processes orders for that date. If the FDD is less than or equal to today's date, RCP processes orders having today's date and earlier.

```
                                          If an FDD is not specified,
                                          RCP processes orders having
                                          today's due date and earlier.
------------------------------------------------------------------------------
Generate recent change   H FDD MM-DD-YY;   If the FDD range contains
messages by a frame          MM-DD-YY      today's date, RCP process all
due date range.                            earlier orders up to the
                                           latest date specified.
------------------------------------------------------------------------------
Generate recent change   H SG X            Valid input for X is
messages by segment                        0 to 9 or the following:
code
                                           R = Resident
                                           B = Business
                                           C = Coin
                                           D = Data

                                           Input can consist of other
                                           locally-defined letters.
------------------------------------------------------------------------------


------------------------------------------------------------------------------
                         TRANSACTION CODE: RCP
------------------------------------------------------------------------------
FUNCTION                 INPUT FORMATS              CONDITIONS
------------------------------------------------------------------------------
Generate recent change   H OC XXX           Valid input for XXX:
messages by order                           1 to 3 alphanumerics.
------------------------------------------------------------------------------
Generate recent change   H AI XXXX          Valid input for XXXX:
messages by an                              1 to 4 alphanumerics.
assigner's initials.
------------------------------------------------------------------------------
Generate recent change   H DT XXXXX         Valid input for XXXXX:
messages by due time                        1 to 5 alphanumerics.
------------------------------------------------------------------------------
Print unpunctuated       H ORD XXX...X      A maximum of ten orders can be
recent change messages                      entered.
for previously
processed or new order                      Messages requested by order
                                            number can be requested and
                                            printed any number of times.
------------------------------------------------------------------------------
For a previously         H ORD XXX..X/OD TT  A maximum of ten orders can be
processed or new order,                      entered.
punctuate recent
change messages and
send output to the
current terminal.
------------------------------------------------------------------------------
For a previously         H ORD XXX..X/OD TTX...X A maximum of ten orders can be
process or new order,                        entered.
punctuate recent
change messages and                          X...X represents the terminal
send output to a                             ID, following /dev/ on UTS
specified terminal.                          (/dev/tty on UNISYS). If that
                                             portion of the ID contains a
                                             slash (/), substitute an
                                             exclamation point (!) for the
                                             slash.
                                             (For example, if the UTS
                                             terminal ID is /dev/pts/3,
                                             enter od ttpts!3)
------------------------------------------------------------------------------
For a previously         H ORD XXX..X/OD TTX...X+  Same as above.
processed or new order,
```

```
send punctuated
messages to a specified
terminal and
unpunctuated messages
to the current
terminal.
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
                          TRANSACTION CODE: RCP
--------------------------------------------------------------------------------

FUNCTION                    INPUT FORMATS              CONDITIONS
--------------------------------------------------------------------------------
For a previously       H ORD XXX..X/OD MTX      A maximum of ten orders can be
processed or new                                entered.
order, punctuate
recent change                                   Valid input for X:
messages and send                               0 to 9.
output to a
magnetic tape.
--------------------------------------------------------------------------------
For a previously       H ORD XXX..X/ORD MMS     A maximum of ten orders can be
processed or new                                entered.
order, punctuate
recent change
messages and send
output, including
additional MARCH
information, to the
current terminal.
--------------------------------------------------------------------------------

                          TRANSACTION CODE: RCR

                          Recent Change Report

                              GENERAL REMARKS
```

Transaction RCR prints recent change messages that have been generated for
pending service and work orders.

Messages for orders that meet H-line criteria are printed with appropriate
message punctuation and are output to an appropriate device. The output is in
suitable format for direct entry into an ESS service order teletype.

The printing of recent change messages can be requested by entity, frame due
date and package type, or border number. If the type is RSS, the RSS number
(RNO) must be specified.

Recent change package types are as follows:

o IN = inward orders.
o OUT = outward orders.
o CHG = change orders.
o SS = suspends.
o RS = restores.
o TF = associated Ts and Fs due the same day.
o HOT = orders shown as OC HOT (i.e., MCTs).
o FDT = orders input with a specific due time (DT).
o COOR = orders requiring coordination. This includes orders input with "RW C"
  and orders automatically marked for coordination due to the presence of a
  plus (+) in recent change templates.
o LET = line equipment transfers.
o CT = cable throws involving an OE change.
o AGE = TN aging (generated by RNA).
o SOB-IN and SOB-OUT = service observing (generated by SVL).

o MAN = messages generated by MGR.
o DT = dial transfer withdrawal and changes.
o FT = frame transfer OE changes.

Input of "RPT ALL" prints seven package types: IN, OUT, CHG, SS, RS, TF, and
HOT. Input of "ALL" (without the RPT prefix) prints all package types except
for SOB-IN, SOB-OUT, MAN, FT, AGE, AND DT.

When entering a single frame due date that is less than or equal to today's
date, RCR prints recent change messages for all orders whose frame due date is
less than or equal to today's date. If the frame due date entered is greater
than today's date, RCR prints only messages for orders having that specific
frame due date.

When a frame due date range is entered and the first date of the range is less
than or equal to today's date, recent change messages are printed for all
orders having a frame due date that is less than or equal to the second frame
due date of the range specified. If the first frame due date of the range is
greater than today's date, only messages within that range are printed.

FDD is not required input when RPT is SOB, MAN, AGE, FT or DT.

Optional inputs are OD (output devices), DLAY (delay requests), LC (line
count), and OP (with NEW, COPY, or ALL). The default value for OP is "OP NEW".

Recent change messages can be printed with punctuation appended by specifying
the output device. An input of "OD TT" sends punctuated messages to the current
terminal. An input of "OD TTX...X" sends punctuated messages to the specified
terminal. An input of "OD TTX...X+" sends unpunctuated messages to the current
terminal and punctuated messages to the remote terminal specified. An input of
"OD MMS" sends punctuated messages, including additional MARCH information, to
the current terminal. With "OD MTX", punctuated messages are sent to a magetic
tape.

Input of "DLAY" delays a request for 1 ESS and 1A ESS messages. An input of
"LC" limits the number of messages output per RCR run.

OP NEW prints all messages meeting the H-line input criteria that have not been
printed yet and updates the print tag. OP COPY prints all messages that meet
H-line criteria and were printed in the OP NEW run of RCR. OP ALL prints all
messages that meet the H-line input criteria, whether previously printed or
not.

A period (.) on a separate line ends input and begins processing. A "Q" entered
on a separate line terminates the transaction before processing.

If requested by order number, messages can be printed, regardless of whether
they have been printed already.

After messages have been printed, RCR prints all change notices that have
accumulated.

RCR prints only change notices when an input of "RPT UPDT" is entered on the
H-line. RPT UPDT can be used with the OP (NEW, COPY, ALL) option.

Dial transfer messages can be printed any number of times. After each printing,
the dial transfer messages may be optionally purged.

                         SUMMARY OF INPUTS

1. Print Messages by Entity, Frame Due Date, and Package Type.

   H TYP XXXXX/EN Y/RPT X..X/XXX/FDD MM-DD-YY;MM-DD-YY
                        ALL

   OP XXXX/OD TT/DLAY/LC XXXX
            TTX...X

```
                    TTX...X+
                    MTX
                    MMS

2. Print Messages When the Entity Type is RSS.

   H TYP RSS/EN Y/RNO XX/RPT X..X/.../FDD MM-DD-YY
                            ALL
   (any additional inputs)

3. Print Messages by Order Number.

   H ORD XX...XX/.../OD TT/DLAY
                    TTX...X
                    TTX...X+
                    MTX
                    MMS

4. Print Change Notices Only.

   H RPT UPDT/OP XXXX


5. Print Dial Transfer or Frame Transfer Messages, Excluding Entity Type RSS.

   H TYP XXXXX/EN Y/RPT DT/OP XXXX/OD TT/DLAY/LC XXXX
                    FT              TTX...X
                                    TTX...X+
                                    MTX
                                    MMS

6. Print Dial Transfer or Frame Transfer Messages When the Entity Type is RSS.

   H TYP RSS/EN Y/RNO XX/RPT DT/OP XXXX/OD TT/DLAY/LC XXXX
                            FT              TTX...X
                                            TTX...X+
                                            MTX
                                            MMS

7. Print Service Observing Messages.

   H TYP XXXXX/EN Y/RPT SOB-IN/OP XXXX/OD TT/DLAY/LC XXXX
                        OUT

8. Print Messages Stored in a TED File.

   H TYP XXXXX/EN Y/FILE XXXXXXXX TT/DLAY/LC XXXX
                                  TTX...X
                                  TTX...X+
                                  MTX
                                  MMS


   or

   H TYP RSS/EN Y/RNO XX/FILE/OD/DLAY/LC


--------------------------------------------------------------------------------
                         TRANSACTION CODE: RCR
--------------------------------------------------------------------------------
FUNCTION                    INPUT FORMATS                CONDITIONS
--------------------------------------------------------------------------------
Print messages      H TYP XXXXX/EN Y/         Valid input for TYP is any
for an ESS or         FDD MM-DD-YY/RPT X..X    three- to five-alphanumeric,
digital switching                              user-defined switch type that
machine.                                       appears in the ES table (e.g.,
                                               1ES for a 1 ESS switch). The
```

exceptions are the following
standard types:
5XB and RSS.

If a TYP has been entered, an
entity number (EN) must also
be specified. Valid input for
EN is one alpha or numeric
character (i.e., 0 to 9, or A
to Z).

Valid input for Y:
0 to 9, or A to Z.

A maximum of ten RPT may be
entered, separated by commas
(e.g., RPT IN, OUT, CHG).
There are four exceptions to
this format: ALL, AGE, SOB-IN,
and SOB-OUT cannot be entered
in conjunction with any other
RPT value.

Valid X..X input:
IN, OUT, CHG, SS, RS, TF, FT,
FDT, DT, CT, LET, COOR, AGE,
HOT, MAN, SOB-IN, and SOB-OUT.

FDD is not required input,
when the RPT is SOB, MAN, AGE,
FT, or DT.

RPT ALL prints messages for
the package types IN, OUT,
CHG, SS, RS, TF, and HOT.

                         TRANSACTION CODE: RCR

FUNCTION	INPUT FORMATS	CONDITIONS
Print messages for an ESS or digital switching machine for all package types.	H TYP/EN/FDD ID;ID/ALL	ALL prints all package types except SOB-IN, SOB-OUT, AGE, MAN, FT, and DT.
Print messages for an RSS switching machine.	H TYP RSS/EN Y/RNO XX/ FDD MM-DD-YY/RPT X..X	A maximum of ten RPT may be entered. Valid input for X..X: Same as above. Valid input for EN Y: 0 to 9, or A to Z. Valid input for XX: 01 to 63.
Print messages for an ETS switching machine.	H TYP 5XB/EN Y/FDD ID/RPT X..X	A maximum of ten RPT may be entered. Valid input for X..X: Same as above. Valid input for Y:

```
                                                         0 to 9, or A to Z.
-------------------------------------------------------------------------------
Print messages,          H TYP/EN/RPT/FDD ID;ID
specifying an FDD
range.
-------------------------------------------------------------------------------
Print messages that      H TYP/EN/FDD/RPT/OP NEW
have not been printed
yet.
-------------------------------------------------------------------------------
Print messages that      H TYP/EN/FDD/RPT/OP COPY
were printed in the
last OP NEW run.
-------------------------------------------------------------------------------
Print messages for       H TYP/EN/FDD/RPT X..X-CTX      Valid input for X..X:
Centrex orders.                                         IN, CHG, OUT, TF.
-------------------------------------------------------------------------------
Print messages for       H TYP/EN/FDD/FPT X..X-MLHG     Valid input for X..X:
multiline hunt group                                    Same as above.
orders.
-------------------------------------------------------------------------------
Print messages for       H TYP/EN/FDD/RPT X..X-ALL      Valid input for X..X:
multiline hunt group,                                   Same as above.
Centrex, and POTS
orders.
-------------------------------------------------------------------------------


-------------------------------------------------------------------------------
                          TRANSACTION CODE: RCR
-------------------------------------------------------------------------------
FUNCTION                 INPUT FORMATS                  CONDITIONS
-------------------------------------------------------------------------------
Print messages,          H ORD XX...XX/...              A maximum of 20 orders
specifying an order                                     may be entered.
number.
-------------------------------------------------------------------------------
Print change notices     H RPT UPDT                     This input cannot be in
only.                                                   combination with the
                                                        prefix OD.
-------------------------------------------------------------------------------
Print change notices     H RPT UPDT/OP NEW              Same as above.
that have not been
printed yet.
-------------------------------------------------------------------------------
Print change notices     H RPT UPDT/OP COPY             Same as above.
that were printed in
the last OP NEW run.
-------------------------------------------------------------------------------
Print all change         H RPT UPDT/OP ALL              Same as above.
notices, whether
previously printed
or not.
-------------------------------------------------------------------------------
Print dial transfer      H TYP XXXXX/EN Y/RPT DT        Valid input for TYP is any
frame transfer                              FT          three- to five-alphanumeric
update messages,                                        user-defined switch type
excluding entity                                        that appears in the ES
type RSS.                                               table (e.g., 1ES for a
                                                        1 ESS switch).

                                                        If a TYP has been entered,
                                                        an entity number (EN) must
                                                        also be specified.  Valid
                                                        input for EN is one alpha
                                                        or numeric character (i.e.,
                                                        0 to 9, or A to Z.
```

```
--------------------------------------------------------------------------------
Print dial transfer   H TYP RSS/EN Y/RNO XX/RPT DT  Valid input for Y:
frame transfer                               FT  0 to 9, or A to Z.
messages, when the
entity type is RSS.                              Valid input for XX:
                                                 01 to 63.
--------------------------------------------------------------------------------
Print messages stored  H TYP/EN/FILE XX..X         Valid input for XX..X:
in a TED file.                                     up to eight alphanumerics.

                                                   RNO is required for TYP RSS
--------------------------------------------------------------------------------
Punctuate and send     H (required input)/OD TT    The prefix OD is not valid
output messages to                                 with an input of RPT UPDT.
current terminal.
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
                       TRANSACTION CODE: RCR
--------------------------------------------------------------------------------
FUNCTION               INPUT FORMATS              CONDITIONS
--------------------------------------------------------------------------------
Punctuate and send     H (required input)/OD MMS  Same as above.
output messages,
including additional
MARCH information, to
the current terminal.
--------------------------------------------------------------------------------
Punctuate and send     H (req. input)/OD TTX..X   X...X represents the output
messages to a                                     terminal ID, following
specified terminal.                               /dev/ on UTS (/dev/tty
                                                  on UNYSIS).
                                                  If that portion of the ID
                                                  contains a slash (/),
                                                  substitute an exclamation
                                                  point (!) for the slash.
                                                  (For example, if the UTS
                                                  terminal ID is /dev/pts/3,
                                                  enter od ttpts!3)
--------------------------------------------------------------------------------
Send unpunctuated      H (req. input)/OD TTX...X+  Same as above.
messages to the
current terminal and
punctuated messages
to the remote
terminal.
--------------------------------------------------------------------------------
Punctuate and send     H (required input)/OD MTX  Valid input for X:
output messages to a                              0 to 9.
magnetic tape.
--------------------------------------------------------------------------------
Delay request on 1 ESS  H (required input)/DLAY
and 1A ESS messages.
--------------------------------------------------------------------------------
List service observing  H TYP XXXXX/EN Y/          Valid input for TYP is
messages on file.         RPT SOB-IN               any three to five
                              SOB-OUT              alphanumeric, user-defined,
                                                   switch type that appears in
                                                   the ES table (e.g., 1ES for
                                                   a 1A ESS switch).  The
                                                   exceptions are the
                                                   following standard types:
                                                   5XB and RSS.

                                                   If a TYP has been entered
                                                   an entity number (EN) must
```

```
                                          also be specified.  Valid
                                          input for EN is one alpha
                                          or numeric character
                                          (i.e., 0 to 9, or A to Z)
-------------------------------------------------------------------------------


-------------------------------------------------------------------------------
                        TRANSACTION CODE: RCR
-------------------------------------------------------------------------------
FUNCTION                  INPUT FORMATS              CONDITIONS
-------------------------------------------------------------------------------
Print service             H TYP/EN/RPT SOB-IN/OD TT     Same as above.
observing messages                   SOB-OUT
at the current
terminal.
-------------------------------------------------------------------------------
Generate a copy of        H (see box above)/OP COPY    Same as above.
service observing
messages printed at
the current terminal.
-------------------------------------------------------------------------------
Limit the number of       H (required input)/LC XXXX   Valid input for XXXX:
messages printed by                                    up to four numerics.
RCR.
                                                       The prefix LC cannot
                                                       be used with the ORD
                                                       prefix or an input of
                                                       RPT UPDT.
-------------------------------------------------------------------------------
```

                        TRANSACTION CODE: TOC

                     Transfer Order Completion

                         GENERAL REMARKS

TOC completes a transfer circuit, established by TOE. TOC verifies that TRC or
TMART/TAGTMART/FILETAGT has printed the circuit and that the Frame Running List
and Dead Jumper List have been printed, as well. If a transfer circuit has an
outstanding service or work order against it, it won't be completed.

Required input is an H-line, specifying the circuit identifier. To complete a
range of circuits, specify the range.

If you want to suppress the requirement that the Dead Jumper List be pulled,
also enter "DJ N" or "DJ NO". To suppress the requirement that recent change
has been printed, enter "RC N".

You can also specify the message format. If not specified, only the error
messages for every dial-transfer circuit in the range will print.

You can also specify the message format. If not specified, only the error
messages for every dial-transfer circuit in the range will print.

A period (.) and linefeed signify the end of input. A "Q" on a separate line,
followed by a linefeed, terminates the transaction without processing.

                         SUMMARY OF INPUTS

H fac ID;ID/DJ N or NO/MF ALL
                         ERR

H fac ID;ID/DJ N or NO/RC N

```
--------------------------------------------------------------------------------
                          TRANSACTION CODE: TOC
--------------------------------------------------------------------------------
FUNCTION            FACS     INPUT FORMATS            CONDITIONS
--------------------------------------------------------------------------------
Complete a singe    CP    H fac ID
transfer circuit    OE
                    TN
--------------------------------------------------------------------------------
Complete a range    CP    H fac ID;ID
of transfer         OE
circuits.           TN
--------------------------------------------------------------------------------
Complete            CP    H fac ID/DJ N
circuit(s)          OE                 NO
without pulling     TN
dead-jumper list.         H fac ID;ID/DJ N
                                        NO
--------------------------------------------------------------------------------
Complete a range    CP    fac ID;ID/MF XXX          Valid input for XXX:
of circuits,        OE                             ALL=Message is printed
specifying the      TN                                 for every circuit
message format.                                        in the range.
                                                   ERR=Message is printed
                                                       only for circuits
                                                       not completed.
--------------------------------------------------------------------------------
Complete            CP    H fac ID/RC N
circuit(s)          OE    H fac ID;ID/RC N
without requiring   TN
that recent
change has been
printed.
--------------------------------------------------------------------------------


                          TRANSACTION CODE: TOI

                       Dial Transfer Order Inquiry

                             GENERAL REMARKS
```

TOI prints the current status of all facilities and frame terminations for
circuits involved in dial transfers. TOI supplies the following information on
each circuit: order type, frame running list, dead jumper list and an
indication of whether TRC/TMART/TAGTMART/FILETAGT and TOL have been run on the
transfer circuit. Information on facilities in the background circuit is also
reported. In addition, LOIS information for facilities terminating on the frame
is supplied.

Required input is an H-line specifying a single facility ID (TN, OE, CP, GP,
TP, TER) or a facility range (fac ID;ID). An H-line may contain more than one
facility ID or range. Multiple H-lines can be entered.

The data base does not contain the correct tie pair endpoint information until
an order is completed. If a reused tie pair has a disconnected facility as an
endpoint, TOI determines and reports what the new tie-pair endpoint is upon
order completion.

TOI processes an area transfer and reports on the circuits in both TO and FROM
wire centers, when an AT file exists and a CP is used as the facility ID. Both
NC (New Connect) and CD (Complete Disconnect) circuits that are involved in the
area transfer are printed. The user does not have to execute from the FROM wire
center.

A period (.) on a separate line followed by a linefeed ends H-line input and
begins processing. A "Q" on a separate line followed by a linefeed terminates
the transaction without processing the input.

```
H fac ID;ID/fac ID..., etc.,

H fac ID/..., etc.
.
.
.
etc.
```

```
--------------------------------------------------------------------------------
                          TRANSACTION CODE: TOI
--------------------------------------------------------------------------------
FUNCTION            LEGAL    INPUT FORMATS              CONDITIONS
                    FACS
--------------------------------------------------------------------------------
Inquire on a dial   TN    H fac ID                     Valid input for fac:
transfer circuit    OE                                 TN, OE, CP, GP, TP, or
for a single        CP                                 TER
facility.           GP
                    TP
                    TER
--------------------------------------------------------------------------------
Inquire on a dial   TN    H fac ID;ID                  Same as above.
transfer circuit    OE
for a facility      CP
range.              GP
                    TP
                    TER
--------------------------------------------------------------------------------
```

TRANSACTION CODE: TOO

Transfer Order Omissions

GENERAL REMARKS

TOO identifies all circuits that would fail on a TOC (Transfer Order
Completion) for the following reasons:

o No TRC (Transfer Order Recent Change report) has been run.
o No TOF (Transfer Order Frame listings report) has been pulled.
o No TOF dead jumper list has been pulled.
o There is an outstanding service or work order circuit that is not in a
  pending dial transfer.

TOC verifies that the circuit has been printed by TRC, TMART (Transfer Master
Record Tape), FILETAGT, or TAGTMART and that the frame running list and the
dead jumper list have been printed.

Required input is an H-line specifying a circuit identifier (a CP, OE, or TN).
Or, you can enter a range of these facilities to have TOO evaluate several
circuits. If desired, you can also enter "DJ N" or "DJ NO" to suppress the
requirement that the dead jumper list be pulled. In addition, you can suppress
the printing of recent change messages by entering "RC N" or "RC NO".

TOO also has a message format (MF) option. If this input is not specified, TOO
defaults to "MF ERR", which prints only those circuits that have been completed
on the run. Optionally, you can specify "MF ALL" to list all circuits in error
and circuits that can be completed.

A period (.) and a linefeed signifies the end of input. A "Q" on a separate
line will terminate the transaction without processing.

SUMMARY OF INPUT

1. Print the Circuits that would fail on a TOC and Suppress Printing the Dead
   Jumper List.

   H fac ID;ID/DJ N/MF ALL
                     ERR

2. Print the Circuits that would fail on a TOC and Suppress Printing the Recent
   Change Messages.

   H fac ID;ID/RC N/MF ALL
                     ERR

                           TRANSACTION CODE: TOO

FUNCTION   FACS   INPUT FORMATS   CONDITIONS

Print the circuit CP   H fac ID
information for a   OE
single facility   TN
that failed a TOC
run.

Print the circuits CP   H fac ID;ID
of all facilities OE
in a specified   TN
range that failed
a TOC run.

Print the circuits CP   H fac ID/DJ N   If "DJ" is not specified, TOO
for the facilities OE   NO   defaults to "DJ Y (or YES)"
that failed a TOC TN   and the dead jumper list will
run and suppress   be pulled (printed).
the dead jumper
list.

Print the circuits CP   H fac ID/RC N   If "RC" is not specified, TOO
for the facilities OE   NO   defaults to "RC Y (or YES)"
that failed a TOC TN   or   and recent change messages
run and suppress   will be printed.
printing the recent   H fac ID;ID/RC N
change messages.   NO

Print a range of   CP   H fac ID;ID/MF XXX   Valid input for XXX:
transfer order   OE   ALL=Print a message for every
circuits using   TN   circuit in the range.
the message
format.   ERR=Print a message only for
                                                    circuits that did not
                                                    complete the transfer.

                                                If an "MF" is not specified,
                                                TOO defaults to "MF ERR."

                           TRANSACTION CODE: TOS

                           Transfer Order Summary

                              GENERAL REMARKS

TOS provides a count and summary of the number of circuits within a specified
range, which are involved in a transfer order. Circuits involved are those
established by transaction TOE as any of the following order types (OT):

o Background Transfer (BT)
o Change Transfer Order (CH)

o Complete Disconnect Transfer Order (CD)
o New Connect Transfer Order (NC)

Counts are provided for each of these order types and a summary for the total
number of circuits includes the following information:

o the number of circuits included in the "Frame Running List"; [This list is
  generated via transaction TOF with the "MF NEW" input option.]
o the number of circuits included in the "Dead Jumper List"; [This list is
  generated via transaction TOF with the "MF DJ" option.]
o the number of circuits included in the "Switch Translations" category; [This
  data is generated by transaction TMART/TAGTMART/FILETAGT, TODA, and TRC.]

Required input is an H-line containing a facility ID range or a facility prefix
followed by an asterisk (*). The asterisk indicates that the entire facility
file should be summarized. Legal prefixes are TN, OE, CP or TP.

A period (.) entered on a separate line indicates end of input. To terminate
the transaction before processing, enter a "Q" on a separate line followed by a
linefeed.

                          SUMMARY OF INPUTS

H fac ID;ID

H fac ID *

                          TRANSACTION CODE: TOS

FUNCTION   LEGAL   INPUT   CONDITIONS
                    FACS   FORMATS

Count/summarize   TN   H fac ID;ID   Legal facility
the number of   OE   prefixes are TN, OE,
cicuits within a   CP   CP or TP.
specified facility TP
range, which are
involved in a
transfer order.

Count/summarize   TN   H fac ID *   Same as above
for an entire   OE
facility file the   CP
number of circuits TP
that are involved
in a transfer
order.

                          TRANSACTION CODE: TRC

                    Transfer Order Recent Change Report

                          GENERAL REMARKS

TRC generates recent change messages for transfer orders.

Required input is an H-line specifying the circuits that will be processed and
the message format (MF). An individual circuit or a range may be specified.

The required message format input is the followin:

o RC Message Format - MF YYYY
  NEW generates NEW MESSAGES (for the appropriate entity).
  OUT generates OUT MESSAGES (for the appropriate entity).
  CHG generates CHG MESSAGES (for the appropriate entity).
  SUSP generates CHG MESSAGES for suspending service.

Additionally, the following may be specified:

o Print Option - OP XXXX
  NEW prints all new circuits since TRC was last run.
  COPY reprints the circuits previously printed on last OP NEW run.
  ALL prints all messages. This is the default value.
  WKG prints messages for all working circuits.
  CRF prints TN change or referral notices.

o Suppress requests for filter input - FILT N
  Filters to be included or excluded are class of service (CS), party circuit
  (PTY), and USOC (US).

o Delay request for 1 ESS and 1A ESS messages - DLAY.

o Output device - OD MTX or OD TTN...N
  Defaults to the terminal, if not specified.

o Line count - LC XXXXX
  Limits the number of circuits to be printed.

After a period is entered, TRC prompts for filter information if "FILT N" has
not been specified on the H-line.

                        SUMMARY OF INPUTS

H fac ID;ID/MF YYYY/OP XXXX/FILT N/DLAY/OD TT/LC XXXXX
                                        TTN...N
                                        TTN...N+
                                        MTX
                                        MTX+

                        TRANSACTION CODE: TRC

FUNCTION   FACS   INPUT FORMATS   CONDITIONS

Generate RC   CP   H fac ID/MF YYYY   GP input is expressed as
message for   GP   fac ID;ID   GP X-YYYY.
specified circuit OE
or range of   TN   X=Entity number
circuits.   Y=Group Number

                                               Valid input for YYYY:
                                               NEW = inward circuits
                                               OUT = outward circuits
                                               CHG = changed circuits
                                               SUSP = suspended circuits
----
Generate messages CP   H fac ID/MF ID/OP XXXX Valid input for XXXX:
and specify print GP   NEW = New messages
option.   OE   COPY = Reprints
                   TN   ALL = New and reprints
                                                 WKG = Messages for
                                                        working circuits
                                                 CRF = TN change of
                                                        referral notices.

                                                 If OP is not specified, the
                                                 default value is "OP ALL".

Generate messages CP   H fac ID/MF ID/FILT N
and suppress the   GP
filter request.   OE
                   TN

```
--------------------------------------------------------------------------------
                            TRANSACTION CODE: TRC
--------------------------------------------------------------------------------
FUNCTION                LEGAL     INPUT FORMATS           CONDITIONS
                        FACS
--------------------------------------------------------------------------------
Generates messages      CP    H fac ID/MF YYYY/DLAY
with delay input        GP
on RC messages for      OE
1 ESS and 1A ESS        TN
switch types.
--------------------------------------------------------------------------------
Generates messages      CP    H fac ID/MF YYYY/OD TT      If an OD is not
and add punctuation     GP                                specified, punctuation
directly at the TTY     OE                                is not appended to
running TRC.            TN                                messages.
--------------------------------------------------------------------------------
Generate messages       CP    H fac ID/MF YYYY/OD TTN...N Valid input for X:
and add punctuation     GP                                0 to 9
to the output           OE
device (other than      TN                                N...N  represents the
TTY, running the                                          terminal ID, following
TRC).                                                     /dev/ on UTS (/dev/tty
                                                          on UNYSIS). If the
                                                          portion of the ID
                                                          contains a slash (/),
                                                          substitute an
                                                          exclamation point (!)
                                                          for the slash. (For
                                                          example, if the UTS
                                                          terminal ID is
                                                          /dev/pts/3, enter od
                                                          ttpts!3)
--------------------------------------------------------------------------------
Generate messages       CP    H fac ID/MF YYYY/OD TTN...N+ Same as above.
and add punctuation     GP                       MTX+
to the output           OE
device. Output          TN
messages also go to
the TTY, running
the TRC.
--------------------------------------------------------------------------------
Generate messages       CP    H fac ID;ID/MF YYYY/LC X..X Valid input for X..X:
and specify a           GP                                1 to 10000.
maximum number of       OE
circuits to be          TN                                If an LC is not
printed.                                                  specified, the output
                                                          will be all qualifying
                                                          circuits within the
                                                          range.
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
                            TRANSACTION CODE: TRC
--------------------------------------------------------------------------------
FUNCTION                        INPUT FORMATS             CONDITIONS
--------------------------------------------------------------------------------
Generate change referral   H UFIL filename/CRF/MF YYY    Valid input for YYY:
messages to change the                                   NEW, OUT, or CHG.
route index for specific
telephone numbers.
--------------------------------------------------------------------------------
```

```
--------------------------------------------------------------------------------
                            TRANSACTION CODE: TRC
--------------------------------------------------------------------------------
QUESTION/PROMPT              CONDITION/DECISION                      INPUT
--------------------------------------------------------------------------------
ENTER EXCLUDED FILTERS       Specify the filters to be excluded      filter data
(ONE PER LINE-END INPUT
WITH A ".")                  Valid filter prefixes:
                             US, CS, and/or PTY.

                             A maximum of ten USs or CSs may be
                             specified, separated by commas
                             (i.e., XXX,XXX,XXX...)
                             --------------------------------------------------
                             Terminates the input.                   .(period)
--------------------------------------------------------------------------------
ENTER INCLUDED FILTERS       Specify the filters to be included.     filter data
(ONE PER LINE-END INPUT      Conditions are the same as above.
WITH A ".")
                             --------------------------------------------------
                             Terminates the input.                   .(period)
--------------------------------------------------------------------------------
```