COSMOS

COmputer
System for
Mainframe
OperationS

FRAME
TRANSACTION CODES

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PAGE INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DOCUMENT, ONLY THOSE PAGES AFFECTED WILL BE REISSUED.

2. THIS PAGE INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY PAGE OF THE DOCUMENT IS REISSUED, OR A NEW PAGE IS ADDED.

3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW PAGE WILL BE THE SAME ISSUE NUMBER AS THAT OF THE PAGE INDEX.

4. PAGES THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.

5. THE LAST ISSUE NUMBER OF THE PAGE INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DOCUMENT AS A WHOLE.

SUPPORTING INFORMATION

Issue 3 contains changes and additions required for generic 8.1.

(Ⓑ) **Bell Laboratories**

COSMOS
DISTRIBUTING FRAME
TRANSACTION CODES
Issue 3

AT&T Co. Specs.

PA-6P014   A1

(Ⓑ) **Bell Laboratories** | COSMOS | ISSUE 3 | PA-6P014 | A2

DISTRIBUTING FRAME
TRANSACTION CODES

BAI - Bridge Lifter Assignment Inquiry

COMMENTS

BAI operates in two basic modes. If "BL
XXXX" is entered, the output will include the
bridge lifter specified, its status (and
mate's status, if mate exists), and frame
location. If "LC X" is entered, the speci-
fied number of bridge lifters, their status,
and frame locations are printed as above.

If the number of bridge lifters requested in
the LC option is not satisfied, or no bridge
lifters exist for that frame/zone, BAI prints
the next best frame/zone.

INPUT EXAMPLES

```
% BAI                      % BAI
H BL 0601                  H LC 4/OP PRD
.                          .

% BAI                      % BAI
H LC 4                     H LC 4/OP FPT
.                          .

% BAI                      % BAI
H LC 4/OP SNG              H LC 6/LOC M1004
.                          .
```

CFA - Change Facility Attributes

COMMENTS

CFA input is an H-line with a single facility
or range of facilities to be operated on. As
many fields and prefixes as desired may be
entered on the H-line, up to a maximum of 80
characters. As many H-lines as desired may
be entered before exiting; input will be pro-
cessed on a line-by-line basis.   The only
exception is the inquiry function which must
be handled on a separate H-line.

Facility data fields may be changed by enter-
ing a prefix and data. Most fields may be
blanked by entering the prefix and an excla-
mation   mark (!).   Facility   data   may be
inquired on with a prefix and a question mark
(?).   Inquires   may be used over a facility
range. Range limits are one NNX, one cable,
and one entity.

The following table shows CFA's various func-
tions,   the   facilities for which these func-
tions are legal and appropriate input for-
mats.

Function	Facilities	Input Format
Enter, change, or blank remarks	TN OE CP	RT XX...X, RT !, RT ? RE XX...X, RE !, RE ? RC XX...X, RC !, RC ?
Enter or change the date of status change	TN,OE,CP	ED MM-DD-YY
Enter, change, or blank billing TN	TN	BTN NNX-XXXX, BTN !, BTN ?
Enter, change, or blank customer class of service	TN	CS XXXXXX, CS !, CS ?
Enter, change, or blank aging data (call count, release date, previous status)	TN	CC XX, CC !, CC ? RD MM-DD-YY, RD !, RD ? PS PB, PS NP, PS ?
Enter or change closed OE indicator	OE	PTY C, PTY O
Change message register reading	MR	MR XXXXX-RRRR, XXXXX=MR ID RRRR=reading

NOTE: Entering new data for any field com-
        pletely overwrites the current data.

INPUT/OUTPUT EXAMPLES

```
% CFA
H CP 1-1/CP 1-3/RC DEFECTIVE
**    3 FACILITIES PROCESSED
 H CP 1-1/CP 1-3/RC ?
** CP     1-0001/RC DEFECTIVE
** CP     1-0002/RC DEFECTIVE
** CP     1-0003/RC DEFECTIVE
**    3 FACILITIES PROCESSED
 H TN 362-0157/CS SSV-SD
**    1 FACILITIES PROCESSED
 H TN 362-0157/CS ?
** TN 362-0157/RT          /CS SSV-SD/BTN   /RD   /CC   /PS
**    1 FACILITIES PROCESSED
  H OE 007-206-302/PTY C
**    1 FACILITIES PROCESSED
 H OE 007-206-302/RE ?
** OE 007-206-302 /RE        /PTY CLOSED
**    1 FACILITIES PROCESSED
 H MR 1-0005
**    1 FACILITIES PROCESSED
 H TN 362-1008/RT HLD-STUDY/CS 1FR/BTN 362-0159
**    1 FACILITIES PROCESSED
 H TN 362-1010/CS 1MB/RD 04-01-82/CC 35
**    1 FACILITIES PROCESSED
 H TN 362-1008/TN 362-1010/RT ?
** TN 362-1008/RT HLD-STUDY   /CS 1FR    /BTN 362-0159/CC    /PS
** TN 362-1009/RT             /CS        /BTN   /RD   /CC    /PS
** TN 362-1010/RT             /CS 1MB    /RD  04-30-82/CC 35/PS
**    3 FACILITIES PROCESSED

** CFA COMPLETE
```

CMR - Change Message Register Reading

Deleted - use CFA

COS - Close of Shift Report

COMMENTS

The information printed includes the service
orders that 1) have been withdrawn (SO and
WO), 2) have been completed by the MDF on the
current date, 3) have not been completed by
the MDF and have a current or past due date,
4) have been cancelled and have the current
or a future due date, and 5) are in jeopardy
at the close of the shift. Also printed are
CTs that have been withdrawn or modified, or
are unprinted (as OPN does).

INPUT EXAMPLE

% COS
.

CPR - COSMIC Phase Report

COMMENTS

Transaction TOM must be run before CPR will
give meaningful results.

INPUT EXAMPLE

% CPR
.

CSR - Cable Status Report

COMMENTS

The cable pair distribution is summarized by
modules for the COSMIC frame.

INPUT EXAMPLE

% CSR
.

CTP - Cable Transfer Frame Work Print

COMMENTS

CTP provides frame output and, optionally, work code tracking for a specified cable transfer order. Each time CTP is run the following is always printed: all printed and subsequently withdrawn or modified orders, all due date changes, and all remarks.

A. <u>Printing</u>

   1.   If any cable pair transfer has been withdrawn from the order after the transfer has been printed at the frame, any CTP request for the order will automatically list all such withdrawn transfers.

   2.   CTP will provide frame output for an order on as many cable pair transfers within the order as desired. The user has several options to limit the number of cable pair transfers printed. Basically, the output can be limited to:

      a)   all pending transfers in the order

      b)   only the pairs never before printed

c) only the withdrawn pairs that have
been printed, or additionally, the
first 1-99 pair transfers

d) only the pairs pending in the order
with the work code desired. Work
codes may be: PBT, VBT, PCT, RCF,
RBT, COM, US1, US2, US3, and US4.

e) Only the transfers for indicated TO
pairs or only the transfers for
indicated FROM pairs.

If more than one of these options is speci-
fied, only transfers satisfying all specified
conditions will be printed.

The work order number (WO) must be input on
the H-line. If no other information is pro-
vided, all pending transfers in the order
will be printed. In order to limit the out-
put in accordance with options b) through e)
above, the following can be specified:

b) LS NEW: List the new additions.

c) LC: Line count in the range 0 to
99. If LC 0 is specified only the
withdrawn or modified transfers will
be printed.

   d) PWC: Print work code.   Any
       acceptable work code can be used
       (e.g., PBT, VBT, PCT, etc.).

   e) Either an I-line for the TO
       pairs or an 'O' line for FROM pairs
       (but not both) may be used. CP and
       CR may be entered on these lines.

B. Work Code Tracking

The user basically has three options for work
code tracking:

   1) Print and set (change) work code
       simultaneously.

   2) Set (change) work code independently
       of the old work code without receiv-
       ing output; that is, set all pairs to
       a specified work code.

   3) Change a specified work code without
       receiving output.

INPUT EXAMPLE

% CTP
H WO CTEL427/PWC PBT/SWC RBT/LC 10
I CP 1907-0035/CR 1907-0050-0058

(an O-line instead of I-line is optional)

CTS - Cable Transfer Summary

COMMENTS

Input is an H-line with the WO number, or ALL
to list all transfer orders. To limit the
number of transfers listed, enter the
appropriate options. LS, LC, and ST are H-
line inputs. Legal ST values are S, P, E, W,
D, C, F, T, U, and M. If more than one
option is specified, only those transfers
satisfying all specified conditions will be
printed.

Not appearing on the summary are pairs with-
drawn whose withdrawal notices have already
been printed at the frame, and pairs with-
drawn before the transfer was printed at the
frame. All remarks and due date changes are
printed at the end of the summary.

INPUT EXAMPLES

A. For One Transfer Order

% CTS
H WO CTE1453/LS NEW/LC 5/ST P
I CP 1907-0391/CR 1907-0393-0400
.

B. For a List of All Transfer Orders

% CTS
H ALL
.

DPR - DIP Report and Removal

COMMENTS

To disconnect a particular DIP, enter only an
O-line with the cable pair number or line
equipment number.

To list or list and disconnect DIPs with
particular characteristics, the following H-
line input is required: line equipment type
(TYP), entity (OE for non-SXS equipment or EN
for SXS), number of DIPs to be processed
(NUM), option (OP), and the most recent
creation date that a DIP can have to be
processed (DTE). DTE will refer to DIPs
created before the date specified. Enter OP
L to list DIPs; enter OP R to list and
disconnect DIPs. For unrestricted
processing, enter NUM ALL.

Optional H-line entries include equipment
class of service (ECS), equipment features
(EQF), frame location (LOC), and load factor
(LF). This option allows only those OEs with
the specified features to be listed or
listed/disconnected. The LF option allows a
single load factor (LF X) or a range of load
factors (LF X/LF Y) to be specified. Load
factors 1-10 are allowed. Any or all of the
four equipment features may be requested on
input (e.g., ???G,??NL,TSNL, etc.). LOC may
be followed by one frame zone or a range of
frame zones.

INPUT EXAMPLE

A. Disconnect specific DIPs.

% DPR
O OE 001-203-004/OE 002-307-010
.

B. List DIPs.

% DPR
H TYP 5XB/OE 0/DTE 01-30-76/NUM 50
H OP L/LF 4/LF 5
.

C. List and Disconnect DIPs.

% DPR
H TYP 5XB/OE X/DTE 01-30-76/NUM 50
H OP R/ECS 1FR/LOC C1006-C1010
.

ESR - Equipment Status Report

Deleted - use RTH

ETL - Pending Line Equipment Transfer
Activity

COMMENTS

Three types of transfers may be listed: LB
(load balance), SJ (short jumper), and RT
(tie pair removal).

INPUT EXAMPLE

% ETL
.

FFM - Frame Force Management

Use FWM.

FJC - Frame Jumper Count in the Upper and
Lower Troughs at the Center of Each Cosmic
Frame Module

COMMENTS

This transaction works for either ESS or
COSMIC MDFs. Transaction TOM must be run
before FJC will give meaningful results.

INPUT EXAMPLE

% FJC

.

FOP - List Frame Orders Pending

COMMENTS

FOP has two basic modes: listing orders with
pending reason codes and providing a summary
report. The first mode can be limited by due
date, frame due date, or range of dates;
and/or specific pending codes. Up to four
pending codes may be entered. If an order
has no pending reason code but has secondary
status "J", it will be counted as PR A1 by
default.

An input of "OC OI" will print the eligible
orders in SOI format rather than a tabular
format. This cateogry is not valid for the
"all orders" report or the summary report.

The summary report provides a count of orders
by pending reason code, including a blank
reason code.

INPUT EXAMPLES

% FOP
.
(List all orders with
PR codes)

% FOP
H DD 06-01-80
.
(List all orders with PR
codes due on or before 06-01-80)

% FOP
H PR A1/PR A2
.
(List all orders with PR **codes** A1 or A2)

% FOP
H DD 06-01-80/DD 06-30-80/OR A3

.
(List all orders in due date range
with PR code A3)

% FOP
H FDD 06-01-80/OC OI

.
(List all orders with PR codes due on
or before 06-01-80 in SOI format)

% FOP
H OP SUM

.
(Generate the summary report)

FOR - Frame Order Report

COMMENTS

Orders may be requested by due date, a range
of due dates, or an order number. Option-
ally, orders may be requested by OC (order
category), SG (service segment) and REP
(reprint). Any order that has been printed
more than once will indicate on output that
it is a reprint.

NOTE: If the wire center is using Frame Work
        Management procedures, FOR should not
        be used; use FWM instead.

INPUT EXAMPLE

% FOR
H FDD 05-19-76/FDD 05-22-76 OT NC/REP Y/OC CPC
    .   05-22-76
or   optional

H ORD 124AB

FTR - Frame Transfer Report

COMMENTS

This transaction is used to plan and manage the
transfer of jumpers from one frame to another
frame.

The I-line facility range must contain less than
10,000 working circuits. To report on more than
10,000 circuits, run FTR over several smaller
ranges. If no frame is specified, the "to" frame
is taken to be the COSMIC frame.

INPUT EXAMPLE

A. By Cable Range - to COSMIC frame

    % FTR
    I CP 1-0001/CP 1-0050
    .
    ENTER UPPER BOUND ON JUMPER LENGTH
    3

B. By Telephone Number Range

    % FTR
    I TN 221-0000/TN 221-0500/FR M4
    .
    ENTER UPPER BOUND ON JUMPER LENGTH
    5

C. By Line Equipment Range

    % FTR
    I OE 001-1-3-001/OE 001-103-200/FR M3
    .
    ENTER UPPER BOUND ON JUMPER LENGTH
    7

FWM - Frame Work Management

COMMENTS

Work Packages. Only packages not part of
master work packages will be printed. Input
is an H-line with one of the following: 1) a
frame due date (or range of due dates) and a
work location (1, 2, 3...8, or ALL), or 2) a
work package number and a work location (1,
2, 3...8, or ALL). One to three work loca-
tions may be specified. The work location
"ALL" entry is used to print one copy of the
specified work package(s). One to three work
package numbers may be specified. Optional
H-line input is one to three work package
types (WPT), and reprint (REP). The reprint
option provides only that frame output which
has already been printed.

NOTE: When FDD is input, only work packages
         will be printed. Master packages can
         only be printed with MPN input.

Master Work Packages. H-line input is up to
three master package numbers and one work
location number. The reprint option may be
used.

Design Service. Input is a single FDD and
work location "CPC" (or other locally-
equivalent code). "REP" may be used.

Frame Orders. Input is the order number, or
order number and circuit ID if only a single
circuit from the order is desired. "OC OUT"
is required if this order or circuit should
also be deleted from a package.

Assignment Change Tickets. Input is a single
frame due date and work location "ACT".
"REP" may be used.

Maintenance Change Tickets. Input is a sin-
gle FDD and work location "MCT".

Administrative Printout. Input is a FDD and
work location "ADM". "REP" may be used.

INPUT EXAMPLES

% FWM
H FDD 01-15-79/WL 3/WPT IN/REP Y
.

% FWM
H WPN 113/WL 1/WL 2
.

% FWM
H ORD NC1234/TN 386-6194
.
(Circuit ID may be TN, OE, CP, XN, or PL)

% FWM
H MPN 1/MPN 2/MPN 3/WL 8
.

% FWM
H FDD 04-03-80/WL CPC
.

% FWM
H FDD 01-15-79/WL ADM/REP Y
.

IJR - Initiating a Jeopardy Report

Deleted - use IPO

INQ - Single Facility Inquiry

COMMENTS

Output is restricted to input facility only.

INPUT EXAMPLE

% INQ
H OE 000-000-003

IPO - Identify Orders Pending at Frame

COMMENTS

To identify a pending order, input is an
order number and circuit identifier of TN,
OE, CP, XN, or PL. The order number must
refer to the latest version of the order. A
remarks line and a pending reason code are
required for each order identified using IPO.
PR is entered on the H-line. Up to three R-
lines will be accepted; if the remark exceeds
28 characters it will be truncated.

If the order has been frame completed, IPO
will cancel the frame completion.

INPUT EXAMPLES

```
% IPO
H ORD LIZ8A1/TN 111-0110/PR A2
R RMK OE-NOT-WORKING
.

% IPO
H WPN 20/OT CH/PR A1
R RMK CP-DEFECTIVE
.

% IPO
H MPN 20/OT NC/PR A1
R CP-NOT-SPARE
.
```

ISH - Full Circuit Inquiry

COMMENTS

The input consists of an H-line with one of
the following facilities: TN, OE, CP, BL, TP,
PL, XN, TR/GP/CG, MR, and TK or CON if inven-
toried. Prints all facilities involved in
the circuit of a given facility, including
statuses, features, class of service, and
input facility.

INPUT EXAMPLES

A) % ISH
    H TN 625-0700
    .

B) % ISH
    H GP 48/CG0
    .

C) % ISH
    H TR 0001/GP 48/CG 0
    .

JPR - Jumper Placement Report

COMMENTS

This transaction will generate a report for
each COSMIC or ESS frame lineup and one
report for each TPDF lineup. The transaction
code JPR will yield a cumulative (or net)
jumper placement report as of the date of
request. Transaction TOM (Tabulation of
Module Jumpers) must be run before JPR will
give meaningful results.

INPUT EXAMPLE

% JPR
.

LCP - List Cable Pairs

COMMENTS

The pairs are listed by cable having the
specified status. Up to five statuses may be
specified.

INPUT EXAMPLES

% LCP
H CP 1045-1000/CP 1045/ST RS/ST SF
.

% LCP
H CP 5-0001/CP 5-0030/ST WK
.

LEF - Frame Related Line Equipment Transfer
Order Establishment

COMMENTS

Circuits that will be considered by LEF for a
line equipment transfer must be working with
no pending service or work orders, must have
only one cable pair and can only consist of
TN-OE-CP and possibly one or two TP (if tie
pair removal is specified). LEF can be used
on circuits appearing on a COSMIC, ESS or
conventional frame. A "." in response to any
question will terminate the program.

INPUT EXAMPLE

% LEF
** WO NUMBER
CO122122
** REMARKS
(Any remarks)
** FRAME DUE DATE (MM/DD/YY)
12/15/78
** NO. OF LET'S
1
** LONG JUMPER REMOVAL (J) OR TIE PAIR REMOVAL (T)
J
** FRAME AND ZONE (FFZZZ)
M1007
** MINIMUM LONG JUMPER LENGTH

2
** <u>MAXIMUM NEW JUMPER LENGTH</u>
0
** <u>ENTER TYPE AND ENTITY (MAX 10)--CR WHEN DONE</u>
E1   (ESS CG 1)
13   (1XB MG 3)
50   (5XB MG 0)
S2   (SXS EN 2)
linefeed   (CR = linefeed) |

**<u>INPUT USOC'S (MAX 10)--CR WHEN DONE</u>

1MB
1MR
linefeed   (CR = linefeed) |

LEI - Print Line Equipment Transfer Order

COMMENTS

None.

INPUT EXAMPLE

% LEI
H WO NAS001
.

LPO - List Pending Orders

COMMENTS

Either a single due date or a range of due dates can be entered to inquire about pending service orders. The status (ST) option is used to list the service orders having a specified status of MC (MDF complete), AC (PAO complete), CC (complete), PR (pending), WH (withheld), or XX (cancelled). Party line reassociations are printed with an input of "OT REA".

The COUNT option can be used to obtain only a count of service orders. The segmentation (SG) option can be used to list orders to be completed by a particular service segment (R, S, B, C, etc.). SG ALL prints all pending orders with or without SG values. If SG option is not used, only orders with no SG value will be printed.

The output will include a work package number (WPN) if Frame Work Management is available to the user.

INPUT EXAMPLES

A. List by Due Dates

% LPO
H DD 12-17-78
or
H DD 12-17-78/DD 12-19-78
.

% LPO
H FDD 12-15-78
or
H FDD 12-15-78/FDD 12-17-78
.

B. List Pending Orders by Service Segment

% LPO
H DD 03-15-80/SG B
.

C. List Counts of Pending Orders Only

% LPO
H COUNT
.

D. List by Specified Status

% LPO
H DD 12-12-78/ST MC
.

LSI - Line and Station Transfer Order Inquiry

COMMENTS

Print a specified pending line and station
transfer order or all pending line and sta-
tion transfer orders.

INPUT EXAMPLES

% LSI
H WO MSR1604
.

% LSI
H ALL
.

LXC - List Long Cross Connections

COMMENTS

COSMIC frame JL may vary from 1 to the number |
of modules minus two. The JL for ESS frames
may vary from 0 to the number of verticals on
a lineup minus two; for conventional frames
the JL may vary from 1 to the number of zones |
minus two.

INPUT EXAMPLES

A. For COSMIC Frames:

% LXC
H FR C1/MOD 02/JL 10
.

B. For ESS Frames:

% LXC
H FR E1/MOD 10/JL 02
.

C. For the Conventional Frame:

% LXC
H FR M1/ZN 04/JL 01 |
.

MCI - Maintenance Change Ticket Inquiry

COMMENTS

Information may be obtained for one specific
order or for all orders on file.

INPUT EXAMPLES

% MCI
H WO 11172
.

% MCI
H WO ALL
.

or
% MCI
H ALL
.

MCL - Maintenance Change Ticket List

COMMENTS

None.

INPUT EXAMPLE

% MCL

.

MJR - Conventional Jumper Placement Report

COMMENTS

Conventional frames with more than 100 zones cannot be analyzed. Only working and DIP circuits are considered. A long jumper is any jumper not contained in one zone.

CAUTION: MJR is a heavy user of computer time. Run only outside working hours.

INPUT EXAMPLE

% MJR
H FR M1

.

MPK - Modify Work Package

COMMENTS

Work Packages. One to three work package
numbers (WPN) and order category (OC) are
required input for all cases. Valid order
categories are C (completion), S (summary), R
(remarks), and U (unpackaging).

Master Work Packages. All options and capa-
bilities described for work packages apply to
master work packages. The only differences
are that the input specifies one to three
master package numbers (MPN) and individual
orders may not be removed from packages.
Only one work package or master package at a
time may be unpackaged. Additionally, "OC
SO" is available for master package summary
reports.

Special Service Orders. Input is a FDD, work
location CPC (or locally-equivalent code),
and "OC S". Complete these orders individu-
ally with the completion option.

Remarks may be added to packages at any time
with an H-line entry of "OC R" and an R-line.
A maximum of 20 characters is allowed for a
remark.

INPUT EXAMPLES

Work Packages

% MPK
H WPN 20/WPN 21/WL 1/OC C
.
(Multiple package completion)

% MPK
H WPN 15/ORD CH1/OC U
.
(Individual order removed
 from package)

% MPK
H WPN 32/OC U
.
(Work package disassembled)

% MPK
H WPN 27/OC S
.
(Work package summary)

% MPK
H WPN 18/WL 3/OC R
R RMK NA80
.
(Adding remarks to a work location)

Master Work Package

% MPK
H MPN 9/WL 2/OC C
R RMK DQA
.
(Master package completion.
 Remarks entry optional)

% MPK
H MPN 12/OC SO
.
(Master package summary with
 order numbers)

Individual Orders

% MPK
H ORD NC 1234/TN 386-6194/OC C
.
(Complete one order from a package)

Special Service Orders

% MPK
H FDD 09-19-79/WL CPC/OC S
.
(List special service orders)

MVE - Move Jumpers to the COSMIC Frame or a
Specified Conventional MDF

COMMENTS

Changes the working frame location from the
present working frame to the specified frame
if the circuit has cable pair and line equip-
ment appearances on the specified frame. Tie
pairs will automatically be assigned between
the line equipment and cable pairs. Tie
pairs to another conventional frame are
automatically assigned (if no special equip-
ment appears in the circuit) between line
equipment and concentrators, line equipment
and trunk pairs, and circuits containing only
one cable pair and one trunk pair. The tran-
saction FTR (Frame Transfer Report) should be
run before the MVE transaction to determine
which circuits will require manual tie pair
assignment.

INPUT EXAMPLE

A.   By Cable Range:

     % MVE
     I CP 3027-0919/CP 3059-2146/FR M1
     .
     ENTER UPPER BOUND ON JUMPER LENGTH
     21
     ENTER THE M NUMBER.

B.   <u>By Line Equipment Range:</u>

    % MVE
    I OE 700-00-01/OE 700-00-10
    .

    Remaining input is identical to Example A.

C.   <u>By Telephone Number Range:</u>

    % MVE
    I TN 884-2100/TN 884-2110/FR M4
    .

    Remaining input is identical to Example A.

MVL - Transfer Working Non-COSMIC Frame Cir-
cuits to New Frame with an LET to reduce
Jumper Length

COMMENTS

Circuits may be transferred by TN or OE
range. Transfers by OE range are not recom-
mended because loading problems may result.
Due to potential loading problems, do not
establish more transfers than can be worked
and completed in one day.

INPUT EXAMPLE

% MVL
H TN 461-1000/TN 461-2000

.
ENTER 4 DIGIT SEQUENCE NUMBER
0056
ENTER NUMBER OF CIRCUITS TO BE LET D
2
ENTER LOWEST JUMPER LENGTH OF CIRCUIT TO BE LET D
99

NJV - Number of Jumpers in the Vertical
Trough

COMMENTS

Transaction TOM must be run before NJV will
give meaningful results.

INPUT EXAMPLE

% NJV
.

OIJ - Orders in Jeopardy

Deleted - use FOP

OPN - Open of Day Report

COMMENTS

The open-of-day report may be requested in
total or by one or more subreport sections.
The information printed includes 1) the phase
alert status and message regarding trough
congestion for the COSMIC or ESS frame; and
an entity summary report specifying the
entity loading parameters and DIP parameters;
2) the list of orders (and related orders) by
order type due for completion at the frame on
the present day (orders which have already
received a frame completion will be noted);
the same information for orders due on the
next two days; and audit section including
orders overdue at the frame, cancelled orders
due today, orders which have received an
installer's (PAO) completion but not a frame
completion, and orders with pending reason
codes; 3) a summary of cable throw work,
including withdrawn, modified, and unprinted
work; and 4) reassociation orders and work
orders overdue, due today, due tomorrow and
due the day after.

INPUT EXAMPLES

% OPN

.

% OPN
H OP 1/OP 3

.

PAK - Work Packages

COMMENTS

Required input consists of 1) a frame due
date or range of frame due dates, and 2) an
order category option (A, S, AM, SU, SP, or
NP). When the "A" order category is used,
three additional options are available. WPT
(work package type) and PT (package time) are
entered to assemble packages by type and
time. When the PT is used alone, a work
location number (WL X) is also required. The
package time entry overrides the standard
time and works only for that particular PAK
execution. When these options are used, all
the assembled orders will require work at the
specified WL.

The various types of input are described
below.

  1. Assemble work packages. Only a single
      frame due date is used. Optional input
      is WPT, PT, and WL. "OC A" assembles
      frame output into work packages.

  2. Assemble packages for a range of dates.
      "OC AR" will assemble packages according
      to the input specifications for all
      dates up to and including the FDD.
      Input options for "OC A" are legal for
      "OC AR".

  3. Assemble a multicircuit order. Input is
      the order number and "OC A".

4.   <u>Assemble a master work package.</u> Input is a single frame due date, work package type, work location number, and "OC AM". One, two, three, or all work package types may be considered for a master package with prefix WPT and type codes or "ALL". Optionally, the master work package size can be limited with the package time (PT) entry.

5.   <u>Summarize packaged and unpackaged work.</u> Input is a FDD or range of FDDs, and "OC S". The summary option can be used repeatedly.

6.   <u>Summarize unassembled frame work.</u> Input is a FDD or range of FDDs and "OC SU".

7.   <u>Summarize packaged frame work.</u> Input is a FDD or range of FDDs and "OC SP".

8.   <u>Identify unprinted work packages.</u> Input is a FDD or range of FDDs and "OC NP".

INPUT EXAMPLES

Assemble Work Packages

```
% PAK
H FDD 06-01-79/OC A
.
```

Assemble packages for a Range of Dates

```
% PAK
H FDD 09-15-80/OC AR
.
```

Assemble a Multicircuit Order

% PAK
H ORD NC01/OC A
•

Assemble a Master Work Package

% PAK
H FDD 06-02-79/WPT IN/WL 2/OC AM
•

Assemble Packages by Work Location and Package Time

% PAK
H FDD 09-19-79/WL 3/PT 60/WPT IN/OC A
•

Assemble Packages by Work Package Type and Package Time

% PAK
H FDD 09-19-79/WPT IN/PT 300/OC A
•

Summarize Packaged and Unpackage Work

% PAK
H FDD 06-01-79/OC S
•

Unpackaged Frame Work Report

% PAK
H FDD 03-31-80/OC SU

.

Packaged Frame Work Report

% PAK
H FDD 04-02-80/OC SP

.

Work Packages to be Printed Report

% PAK
H FDD 04-03-80/OC NP

.

RFO - Remove Frame Order

COMMENTS

An optional frame due date or range of frame
due dates can be entered. If a single FDD is
entered, RFO will remove all frame orders
that have been printed or withdrawn up to and
including the date entered. If a range of
FDDs is entered, RFO will remove all frame
orders that have been printed or withdrawn
whose FDD falls within the range. If frame
work management is implemented, all work
packages and master work packages that have
been completed will also be released accord-
ing to the input.

INPUT EXAMPLES

% RFO
.

% RFO
H FDD 12-05-78
.

RJR - Remove a Jeopardy Report

Deleted - use RPO

RPO - Remove Pending Reason Codes from Orders
       Pending at Frame

COMMENTS

Input is an order number and circuit identif-
ier of TN, OE, CP, XN, or PL. The order
number must refer to the latest version of
the order (original, modification, cancella-
tion). RPO deletes any pending reason code
on the order. If the order has no pending
reason code, an error message will be
printed.

INPUT EXAMPLE

% RPO
H ORD LIZ0130/TN 625-3889
.

RTH - Report Transaction to Count Spare and
      DIPed Line Equipment

COMMENTS

RTH counts total spare and DIPed OE by frame
location, load factor, and equipment class of
service. Required H-line input is an equip-
ment type (TYP) and equipment group (OE).
For step-by-step equipment, the entity (EN)
must also be specified. Optional inputs are
frame (FR) or frame and zone (LOC), and
equipment features (EQF).

INPUT EXAMPLES

A. Basic Input

% RTH
H TYP ESS/OE 0

_.

B. Count OE by Frame

% RTH
H TYP ESS/OE 0/FR C1

_.

C. Count OE in a Range of Zones

% RTH
H TYP ESS/OE 1/LOC C1005/LOC C1008

_.

D. Count OE with Loop Start Feature

% RTH
H TYP 5XB/OE 1/EQF ???L

_.

SCF - Service Order Completion for MDF -
Automatic

COMMENTS

Two frame due dates may be entered on the H-
line and SCF will complete orders due on and
between the two dates. Additional input
options are OT (order type), ORD (order
number), and SG (segmentation).

CAUTION: The use of SCF is not recommended as
a normal procedure. Use of SCF will make the
WSL (work status list) report and other frame
management reports useless. Its misuse can
cause data base inaccuracies.

INPUT EXAMPLES

% SCF   (MDF completion prior to and
.   including the current date)

% SCF
H ORD CD123   (Completes a single order)
.

% SCF
H FDD 11-10-78/OT NC   (Completes all NC type
.   orders prior to 11-10-78

% SCF
H FDD 12-10-78/FDD 12-31-78
.   (Completes all orders between
           12-10-78 and 12-31-78)

SCM - Service Order Completion by MDF

COMMENTS

Order numbers entered must refer to the latest version (either an original, modification, or cancellation) of the SO. A circuit ID identifies the order. Valid circuit identifiers are: TN, XN, PL, CP, OE, and inventoried TK.

SCM can be used to manually force the creation of a DIP by entering an O-line with STO LI. The CP must be specified if there is more than one CP in the circuit.

NOTE: If the wire center is using Frame Work Management procedures, do not use SCM; use MPK instead.

INPUT EXAMPLES

% SCM
H ORD NO-90382/CP 3019-0029
.

To force a DIP:

% SCM
H ORD CD 290382/TN 988-3215
O STO LI
.

% SCM
H ORD CD29038/TN 988-3215
O CP 3608-76/STO LI   (if circuit has
                              more than one CP)
.

SOI - Service Order Inquiry

COMMENTS

Input is an H-line with an order number or a
due date. If a service order number is
entered, all circuits in the specified order
will be printed. To print only one circuit
of a multicircuit order, input is the order
number and the appropriate circuit ID. If a
due date is entered, the orders will be
sorted and printed by order type.

Printout includes Frame Work Management data,
MDF work required, MDF completion, PAO com-
pletion, and an indication of frame output.

INPUT EXAMPLES

% SOI
H ORD NC01455
•

% SOI
H DD 11-11-78   (MM-DD-YY)
•

% SOI
H ORD NC1234/TN 386-6194
•

SOS - Summarize Orders by Status

COMMENTS

The service order number of all service ord-
ers having the specified status will be
printed. Service order numbers of related
service orders will also be indicated. The
following status codes are allowed: PD (pend-
ing), MC (MDF complete), AC (PAO complete),
CC (complete), JY (jeopardy), WH (withheld)
and XX (canceled).

INPUT EXAMPLE

% SOS
H ST JY

.

SOT - Setup Output Terminals for Frame Output

COMMENTS

SOT is used to designate the TTY terminal
number(s) which will receive notification
that immediate frame output should be
requested. SOT, has two modes of operation:
restore old information, and establish
entirely new information. Before writing FO
RECORD 1, check that RECORD 1 is not used.
If the RECORD is in use, have the Data Base
Manager move contents of FO RECORD 1 and six
pointers.

INPUT EXAMPLES

A. To Restore:

% SOT
DO YOU WANT TO SPECIFY MDF TERMINAL NUMBERS?
(Y OR N)
N

B. To Initiate or Change TTY Numbers:

% SOT
DO YOU WANT TO SPECIFY MDF TERMINAL NUMBERS?
(Y OR N)
Y
ENTER TERMINAL NUMBERS (1 per line);
WHEN FINISHED, TYPE 'DONE'
7
14
DONE

SVL - Service Observing Loops

COMMENTS

SVL is conversational and prompts the user
for input. Basic input is switching type,
entity, and the frame and zone range to be
searched. Optionally, the user may specify a
maximum number of OEs that are to be selected
from particular classes of service. A period
will terminal SVL at any time.

INPUT EXAMPLE

% SVL
WHAT TYPE OF OE? (ANSWER E,S,P,1, OR 5)
E
WHAT IS THE CONTROL GROUP, MARKER GROUP, OR
ENTITY FOR OE TYPE?
0
WHAT IS THE ZONE RANGE (E.G. C1001-C1010)
C1001-C1048
FILL IN THE FOLLOWING TABLE TO INDICATE MAXIMUM
COUNTS FOR EACH OF THE SPECIFIED CLASSES-OF-SERVICE.
ZERO TO 15 ENTRIES MAY BE INPUT. END ALL LISTS
WITH DONE.
CL SVC   NUMBER
******   ******
1FR   70
1MB   20
1SP   10
DONE

TAI - Tie Pair Assignment Inquiry

COMMENTS

The status of the facility supplied will be
modified to reserved, only if requested.

INPUT EXAMPLE

% TAI
H LOC C1001/LOC C1006/ST RS/LC 1 ──────── optional

.

TAT - Test Alignment of Frame Terminal

COMMENTS

Prints a character matrix in the frame output
format.

INPUT EXAMPLE

% TAT
.

TPU - Tie Pair Usage Report

COMMENTS

Prints the number of tie pairs between
frames.

INPUT EXAMPLE

% TPU
.

TSR - Tie Pair Status Report

COMMENTS

Prints the number of spares from frame to
frame, zone to frame, and zone to zone.

INPUT EXAMPLE

```
% TSR
H FR C1
   or
H FR C1/FR M1
   or
H FR C1/ZN 001/ZN 032/FR M1
 •

or

% TSR
 •
```

UDP - Update DIP Parameters

COMMENTS

UDP changes or prints out the value of one
parameter of one entity at a time. The
entity types are: No. 1 ESS (ESS), No. 1
Crossbar (1XB), No. 5 Crossbar (5XB), Step-
by-Step (SXS), and Panel (PNL). The groups
are: Control Group for ESS, Marker Group for
1XB and 5XB, (OE designates each of these
groups) and Entity for SXS (EN designates
group for SXS). The following parameters can
be changed: CLF, RLF, FR, DIP, ECS, and JL.

INPUT EXAMPLE

Computer response follows each H-line.

```
% UDP
H TYP ESS/OE 1/CLF 7
H TYP 5XB/OE 0/RLF ?
H TYP 1XB/OE 1/FR C1/DIP Y
H TYP SXS/EN 1/ECS 1R/DIP ?
H FR M1/JL 3
  •
```
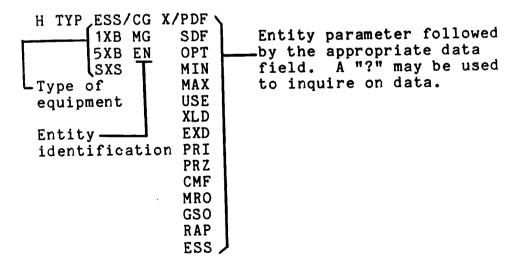
UES - Update the Entity Summary Table

COMMENTS

UES changes or prints out the data for one
parameter of one entity at a time. The
entity types are: No. 1, 2, and 3 ESS (ESS);
No. 1 Crossbar (1XB); No. 5 Crossbar (5XB);
Step-By-Step (SXS). The groups are Control
Group (CG) for ESS, Marker Group (MG) for 1XB
and 5XB, and Entity (EN) for SXS. The vari-
ous parameters that can be changed are: PDF,
SDF, OPT, MIN, MAX, USE, XLD, EXD, PRI, PR2,
CMF, MRO, GSO, RAP and ESS.

INPUT EXAMPLE

The format of the H-line is as follows:

```
H TYP ESS/CG X/PDF
      1XB MG   SDF        Entity parameter followed
      5XB EN   OPT        by the appropriate data
      SXS      MIN        field.  A "?" may be used
 Type of       MAX        to inquire on data.
 equipment     USE
               XLD
 Entity        EXD
 identification PRI
               PRZ
               CMF
               MRO
               GSO
               RAP
               ESS
```

% UES
H TYP ESS/CG O/PDF E1
(Computer response follows)
H TYP ESS/CG O/PDF ?
(Computer response follows)
.

UPM - Update the "M" Number

COMMENTS

This applies only to modular frames with
TPDF. All cross-connections longer than M
modules will be run through the TPDF to
reduce trough congestion.

INPUT EXAMPLE

% UPM
H NM 012

.

or

% UPM
H NM ?

.

WPT - Work Package Table

COMMENTS

Five functions can be performed by this transaction: create (C), add to (A), delete from (D), modify (M), and print (P) the work package table. WPT is conversational and prompts the user for input.

For the C, A, and M functions, the order type-work location price combination of prompts is repeated until "Done" is entered under the OT heading. Under the P function, five print options are available: assembly code (AC), switching machine (EN), work package type (WPT), order type (OT), or ALL. If the ALL option is not used, the next input required is the individual assembly code, switching machine, work package type, or order type. The output is defined by this response.

INPUT EXAMPLES

% WPT
ENTER FUNCTION (C,A,D,M,P)
C
ENTER PACKAGE TIME IN MINUTES XXX
180
ENTER NUMBER OF WORK LOCATIONS (MAX. 8)
5
ENTER WORK LOCATION 1   (repeated for each work location)
C1