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*        The 1986 COSMOS FILES          *
*     PART III: Service Order Input     *
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*               [KOTRT]                 *
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The 1986 COSMOS FILE series consists of 6 parts, including the introduction, covering all major Service Orders, Work Orders, Reports, Facility and Circuit Alteration, COSMOS-N/PREMIS transactions and a complete list of all the facility prefixes. The 1986 file series is intended for the serious COSMOS hacker. (Not too serious)

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                   INTRO TO SERVICE ORDER INPUT
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Under COSMOS software version 8.X there are new input procedures for SOE's. Although these are mostly in the area of error handling, they require a bit of discussion, seperate from the basic input.

    Error Handling

      Service order transactions interact with the user more frequently in
      REV 8.X. Each time the transaction is ready for a new input, it will
      respond with and underscore "_" at the beginning of the new line. This
      indicates that the preceding line is correct.
      If an error does occur, the transaction will respond with an error

     message and prompt for correction. When an error occurs, you have
     4 choices.
     1. Re-enter the entire field correctly.
     2. Enter line-feed to ignore, (checks rest of line)
     3. Enter a ";" to disregard the present circuit.
     4. Enter a "." the transaction will disregard all input, and exit.

   H-LINE inputs.

       H-LINE input for the service order trio SOE/CSA/TSA is being rigidly
defined in 8.0 according to three categories. These categorys contain
fundamentally different types of order/facility information.
       Category 1: ORD, OT, DD, FDD,J OC, DT, SG, EO, LC
       Category 2: US, FEA, CCF, CAT, BTN, SS, AO, RZ, FR, GP/CG, CTX/CG/MG/NNX,
                   LDN, RTI.
       Category 3: FW, RW
       Category 1 items are primary, once defined they cannot be changed
                   by conflicting category 2, and 3 lines.

                     SERVICE ORDER TRANSACTIONS

    Transaction   Definition
    ===========   ======================
    SOE   Service Order Input
    TDZ   Telephone Number Assignment lists
    LDZ   Line Equipment Assignment list
    SOH   Service Order withheld
    SOM   Service Order Modification
    SOC   Service Order Cancellation
    SOW   Service Order Withdraw
    SCM   Service Order Completion by MDF
    SCP   Service Order Completion by PAO
    SCA   Service Order Completion - Automatic
    SCF   Service Order Completion for MDF automatic
    SCI   Spare Cable pair inquiry
    CDD   Change Due Date
    BAI   Bridge Lifter Assignment Inquiry
    LAI   Line Equipment Assignment Inquiry
    NAI   Telephone Numbers Assignment Inquiry
    TAI   Tie pair assignment Inquiry
    EDZ   Facility Emergency Assignment list for backup
    MAP   Manual Assignment Parameters
    MAL   Manual Assignment list
    TSW   Total Service Order Withdraw

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                          TRANSACTIONS DEFINED
                  ****

SOE - Service Order Establishment
    - Establishes a pending service order. The types of orders are; NC, CD,
      CH, F, T, SS, RS, R, RF. Reassociations are treated as change orders.
    - H-lines must contain ORD, DD, and OT. Optional facilities; FW, RW, FDD
      AO, FR, SG, and either DT or OC.
    - I and O lines may contain; US, FEA, CP, OE, TN, RZ, NNX, PL, TP, TK, BL, #
SE, CON, MR, BTN, RC, RE, RT,STC, STN, STO, CCF, LCC, and RTI.
    - ESS orders requiring coordination by the recent change input center may #
be flagged with an input of "RW C".
Example of a NC [New Connect]
WC% SOE
H ORD NCXXXXXX/DD 01-01-86/OT NC/FDD 02-05-86/DT AM
_I CP XXXXX-XXXXXX/OE ?/TN ?/US 2FR/FEA RNNL
_.

Example of a CD [Complete Disconnect]
WC% SOE
H ORD CDXXXXXX/DD 01-01-85/OT CD
_O TN 534-1822
_.

Example of a CH [Change]
WC% SOE
H ORD CHXXXXX/OT CH/DD 01-01-86/TN 534-1822
_O TN 534-1822/STN CO
_I TN ?
_.
Example of SS [Suspension]
WC% SOE
H ORD SSXXXXX/OT SS/DD 01-01-86
_O TN 534-1822/SS SB
_.

TDZ - Telephone Number Assignments List
    - List the indicated number of spare directory numbers for a NNX code, and
      directory number type.
    - Up to 25 directory numbers can be specified, using the prefix LC.
Example
WC% TDZ
H NNX 534/TT G/LC 7   (LC can be up to 25)
.
Output example would look similar to this.
**EMERGENCY FACILITY ASSIGNMENT LIST 01-01-86
  RESERVED LINE EQUIPMENT
**NO SPARE LINE EQUIPMENT FOUND
  AVAILABLE DIRECTORY NUMBERS (7)
534-XXXX

534-XXXX, etc.
**TRANSACTION COMPLETED

SOW - Service Order Withdraw
    - Withdraws most recent version of a service order
    - Order number must refer to the latest version. The H-line circuit ID
      identifys the order. Valid circuit identifiers are; TN, XN, PL, CP, OE,
      and TK.
Example
WC% SOW
H ORD NC-XXXXX/TN 534-1822
.

SCP - Service Order Completion by PAO
    - Record in the Service Order File the completion of an order by PAO
    - Standard SXX H line input.
Example
WC% H ord CDXXXXXX/TN 534-1822
.

SCA - Service Order Completion Automatic
    - Enters final completion on all service orders which have been or are
      not requried to be completed by the MDF, are not in a held, or jeopardy
      status, and are due prior to or on the current date.
    - Two due dates may be entered on the H-line; SCA will complete orders due #
on or between the dates. Additional options are OT (order type), ORD,
      and SG.
Example
WC% SCA
.   :complete all orders on or before this due date

Example2
WC%SCA
H DD 01-01-86/OT NC   :Complete all NC (new connect) orders
.

CDD - Change Due Date
    - Change due date of a service or frame order
    - I think an example will suffice;
WC% CDD
H ORD CH-XXXXXX/TN 534-1822
I DD 01-01-86
.
output example
**ORD CH-XXXXX DUE DATE 01-01-86

NAI - Telephone Number Assignment Inquiry
     - Provides from 1 to 25 spare telephone numbers compatable with the
       input specifications.
     - Input is an H-line with the TN type and NNX or RZ entries. The status of
       the TN supplied will be modified to reserved if ST is specified on the H-#
line.
Example
WC% NAI
H TT X/NNX 534/ST RS
.
this shows first available spare in prefix 534.

MAP - Manual Assignment Parameter
     - Permits the PAO to establish the parameters that will constitute the PAO #
Open-of-Day report.
WC% MAP
I NNX 534/ECS 1R/EQF TNNL/LC 50, etc.   (for line equipment)
I NNX 534/TT B/LC 10 (For Telephone numbers of type B, 10)
etc.

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