FF24 SYSTEM TEST SUPERVISOR

```
ERR LOC OBJECT CODE      ADDR STMT SOURCE STATEMENT

                                 2         DECK  1
  0A00                           3 FF2     START X'A00'
                                 4 ************************************************************************
                                 5 *                                                                      *
                                 6 *       SYSTEM/3 SYSTEM TEST SUPERVISOR                                *
                                 7 *                                                                      *
                                 8 ************************************************************************
  0A00 FF24             0A01     9         DC    XL2'FF24'           PROGRAM IDENTIFICATION AND LEVEL
  0A02 80               0A02    10         DC    XL1'80'             FLAGS - NO SPUDT
  0A03 00               0A03    11         DC    IL1'0'              CURRENT ROUTINE NUMBER
  0A04 0000             0A05    12         DC    XL2'0'              RESERVED
  0A06 0A91             0A07    13         DC    AL2(RTN01)          ADDRESS OF FIRST ROUTINE PREFIX
  0A08 0000             0A09    14         DC    XL2'0'              RESERVED
                                15
                                16 ************************************************************************
                                17 *                                TRANSFER TABLE                        *
                                18 ************************************************************************
                                19 *                                                                      *
                                20 *    THE SYSTEMS TEST SUPERVISOR PROVIDES THE FOLLOWING LINKAGE        *
                                21 *    FOR USE BY THE MODULES IT CONTROLS.  EACH MODULE MUST BE WRITTEN  *
                                22 *    TO BRANCH TO THIS ENTRY WHENEVER THE DEVICE BEING TESTED IS BUSY  *
                                23 *    OR NOT READY.                                                     *
                                24 ************************************************************************
  0A0A 35 10 0A0F               25         L     TR1,IAR             ENTRY TO PASS CONTROL TO NEXT MODULE
                                26
  0A0E 0AB2             0A0F    27 TR1     DC    AL2(RENTRY)
                                28
                        0A10    29 TABLE   EQU   *                   TABLE CONTAINING CATALOG OF PROGRAM
  0A10                  0A90    30         DS    CL129                MODULES IN CORE.  PROVISIONS ARE
                                31 *                                 MADE FOR SUPERVISION OF UP TO 16  *
                                32 *                                 MODULES.  INFORMATION IS CONTAINED*
                                33 *                                 AS IN THE FOLLOWING DIAGRAM.      *
                                34 *                                                                   *
                                35 *              ***************************************              *
                                36 *              *   ARR    I   XR1    I   XR2    I STARTING *         *
                                37 *              *          I          I          I  ADDRESS *         *
                                38 ************************************************************************
                                39
                                40 ************************** ***********************************************
                                41 *                    ROUTINE 01 - SYSTEMS TEST SUPERVISOR              *
                                42 ************************************************************************
                                43 *                                                                      *
                                44 *    THIS ROUTINE PROVIDES THE SUPERVISORY FUNCTION TO HANDLE THE      *
                                45 *    SIMULTANEOUS OPERATION OF UP TO 16 PROGRAM MODULES.  THE INDI-    *
                                46 *    VIDUAL MODULES ARE REFERENCED BY 8-BYTE ENTRIES IN -TABLE-.       *
                                47 *    LINKAGE FROM MODULE TO SUPERVISOR MUST TAKE PLACE EACH TIME THE   *
                                48 *    DEVICE BEING TESTED IS BUSY OR NOT READY.  TRANSFER MUST BE MADE  *
                                49 *    VIA A BRANCH TO LOCATION X'A0A'.  THE SUPERVISOR SAVES THE PRO-   *
                                50 *    GRAM ARR, XR1 AND XR2, THEN PASSES CONTROL TO THE NEXT PROGRAM    *
                                51 *    BY BRANCHING VIA ITS PREVIOUSLY STORED ARR.                       *
                                52 ************************************************************************
  0A91 01               0A91    53 RTN01   DC    XL1'01'              CURRENT ROUTINE NUMBER
  0A92 00               0A92    54         DC    XL1'0'               FLAGS
  0A93 095A             0A94    55         DC    AL2(RTN02)           ADDRESS OF NEXT ROUTINE PREFIX
                                56 ************************************************************************
  0A95 C2 01 0A10               57         LA    TABLE,XR1            SET UP TO RESTART ALL MODULES
  0A99 7D FF C0                 58 R1LOOP  CLI   0(,XR1),X'FF'
  0A9C F2 81 9C                 59         JE    FIRST
  0A9F 75 02 C7                 60         L     7(,XR1),XR2
  0AA2 6C 01 01 07              61         MVC   1(2,XR1),7(,XR2)
  0AA6 4E 01 01 0C44            62         ALC   1(2,XR1),FOUR
  0AAB D2 01 08                 63         LA    8(,XR1),XR1
  0AAE C0 87 CA99               64         B     R1LOOP
                                65 ************************************************************************
                                66 *       MODULE LINKAGE TO THIS SUPERVISORY ROUTINE IS MADE AS FOLLOWS  *
                                67 *                                                                      *
                                68 *       B     ENTRY            WHERE     ENTRY  EQU   X'A0A'        *
                                69 ************************************************************************
```

FF24 SYSTEM TEST SUPERVISOR

```
ERR LOC OBJECT CODE      ADDR STMT SOURCE STATEMENT

   0AB2 34 01 CC92             70 RENTRY ST    SAVE1,XR1        SAVE XR1 TEMPORARILY
   0AB6 35 01 CC96             71        L     POINTR,XR1       RELOAD TABLE POINTER
   0ABA 74 08 01               72        ST    1(,XR1),ARR      PLACE RETURN ADDRESS IN TABLE SLOT
   0ABD 4C 01 C3 0C92          73        MVC   3(2,XR1),SAVE1   SAVE MODULE XR1 AND XR2
   0AC2 74 02 C5               74        ST    5(,XR1),XR2
   0AC5 30 00 0C92             75 CKLOG  SNS   SAVE1,X'0'           CHECK DATA SWITCHES FOR LOGOUT
   0AC9 3D BB 0C91             76        CLI   SAVE1-1,X'BB'         INSTRUCTIONS
   0ACD C0 81 0216             77        BE    LINK
   0AD1 38 A0 0C91             78        TBN   SAVE1-1,X'A0'        CONTINUE TEST IF NOT 'A' OR 'B'
   0AD5 39 40 0C91             79        TBF   SAVE1-1,X'40'         IN DATA SWITCHES
   0AD9 F2 90 43               80        JF    CKDCP
   0ADC 08 01 0C93 0C91        81        MZN   WORK-1,SAVE1-1       ISOLATE ID OF MODULE TO BE ENABLED
   0AE2 08 02 0C93 0C92        82        MNZ   WORK-1,SAVE1         OR DISABLED
   0AE8 08 01 0C94 0C92        83        MZN   WORK,SAVE1
   0AEE C2 01 0A08             84        LA    TABLE-8,XR1        GO THROUGH TABLE OF MODULES UNTIL
   0AF2 D2 01 C8               85 FINDLP LA    8(,XR1),XR1         CORRECT ONE FOUND
   0AF5 7D FF 00               86        CLI   0(,XR1),X'FF'
   0AF8 F2 81 24               87        JE    CKDCP
   0AFB 75 02 C7               88        L     7(,XR1),XR2
   0AFE 28 03 0C94 01          89        MNN   WORK,1(,XR2)
   0B03 2D 01 CC94 01          90        CLC   WORK(2),1(,XR2)
   0B08 C0 01 0AF2             91        BNE   FINDLP
   0B0C 7C EE 00               92        MVI   0(,XR1),X'EE'        DISABLE MODULE IF ENTRY WAS AXXX
   0B0F 38 10 0C91             93        TBN   SAVE1-1,X'10'        ENABLE IF BXXX
   0B13 F2 90 C9               94        JF    CKDCP
   0B16 6C 01 C1 07            95        MVC   1(2,XR1),7(,XR2)
   0B1A 4E 01 0[illegible] 0C44 96        ALC   1(2,XR1),FOUR
   0B1F 35 01 CC96             97 CKDCP  L     POINTR,XR1         RELOAD TABLE POINTER
   0B23 3D D0 0C91             98        CLI   SAVE1-1,X'D0'      GO TO DCP IF POSSIBLE VALID ENTRY
   0B27 C0 02 C212             99        BNL   TEST
   0B2B D2 01 08              100 NEXT   LA    8(,XR1),XR1      INCREMENT POINTER TO NEXT TABLE SLOT
   0B2E 7D EE 00              101        CLI   0(,XR1),X'EE'       SKIP MODULE IF IT IS DISABLED
   0B31 C0 81 0B2B            102        BE    NEXT
   0B35 7D FF 00              103        CLI   0(,XR1),X'FF'       BRANCH IF NOT LAST ENTRY
   0B38 F2 C1 0C              104        JNE   GOTO
   0B3B C2 01 0A08            105 FIRST  LA    TABLE-8,XR1        RE-INITIALIZE TABLE POINTER IF THIS
   0B3F 34 01 CC96            106        ST    POINTR,XR1          WAS LAST ENTRY
   0B43 C0 87 0AC5            107        B     CKLOG
   0B47 1C 01 0B59 01         108 GOTO   MVC   RETURN+3(2),1(,XR1)  LOAD RETURN ADDRESS WITH SAVED ARR
   0B4C 75 02 05              109        L     5(,XR1),XR2        RESTORE XR1 AND XR2 FOR THIS PROGRAM
   0B4F 34 01 0C96            110        ST    POINTR,XR1          MODULE & SAVE TABLE POINTER
   0B53 75 01 03              111        L     3(,XR1),XR1
   0B56 C0 87 0000            112 RETURN B     *-*                GO TO NEW PROGRAM MODULE
                              113
                              114 ***************************************************************
                              115 *                        ROUTINE 2 - LOGOUT                   *
                              116 ***************************************************************
                              117 *                                                             *
                              118 *   THIS ROUTINE LOGS THE ERROR RECORDING TABLE FROM EACH MODULE.  *
                              119 *   LOGOUT OCCURS ONLY UPON DATA SWITCH SELECTION OF THIS ROUTINE. *
                              120 *   RECORDING TABLE ENTRIES HAVE THE FOLLOWING FORMAT          *
                              121 *                                                             *
                              122 *     ***************************************************     *
                              123 *     *  CODE  * LENGTH *  N BYTES OF FORMAT SPECIFIED  *     *
                              124 *     *  BYTE  *  -N-   *  BY THE CODE BYTE            *     *
                              125 *     ***************************************************     *
                              126 *         *                                                   *
                              127 *         *                                                   *
                              128 *         *                                                   *
                              129 *     BIT 0 - PRINTABLE DATA - PRINT AS IS.                   *
                              130 *         1 - PACKED HEX DATA - UNPACK BEFORE PRINTING.       *
                              131 *                                                             *
                              132 *   A CODE BYTE OF X'FF' TERMINATES LOGOUT.                   *
                              133 ***************************************************************
   0B5A 02          0B5A      134 RTN02  DC    XL1'02'            CURRENT ROUTINE NUMBER
   0B5B 00          0B5B      135        DC    XL1'0'             FLAGS
   0B5C FFFF        0B5D      136        DC    XL2'FFFF'          LAST ROUTINE PREFIX
                              137 ***************************************************************
```

FF24 SYSTEM TEST SUPERVISOR

```
ERR LOC  OBJECT CODE      ADDR  STMT SOURCE STATEMENT

    0B5E C0 87 021A             138        B     PRINT                    SPACE PRINTER
    0B62 13                0B62 139        DC    XL1'13'
    0B63 3C 5C C8DA             140        MVI   PLINE+90,C'*'            PRINT A LINE OF ASTERISKS AS A
    0B67 0C 59 C8D9 08DA        141        MVC   PLINE+89(90),PLINE+90     SEPARATION
    0B6D C0 87 021A             142        B     PRINT
    0B71 22                0B71 143        DC    XL1'22'
    0B72 C2 01 0A10             144        LA    TABLE,XR1                POINT XR1 AT TABLE OF MODULES
    0B76 7D FF 00               145 CKMOD  CLI   0(,XR1),X'FF'            BRANCH IF LAST ENTRY
    0B79 F2 81 A2               146        JE    LOGEND
    0B7C 3C 02 C7               147        L     7(,XR1),XR2              LOAD POINTER TO MODULE SPT
    0B7F BD FF 08               148        CLI   8(,XR2),X'FF'            BRANCH IF NO RECORDING TABLE
    0B82 F2 81 92               149        JE    NXMOD1
    0B85 B5 02 C9               150        L     9(,XR2),XR2              LOAD ADDRESS OF TABLE INTO XR2
    0B88 B9 3F 00               151 LOOP5  TBF   0(,XR2),B'00111111'     IF INVALID BITS - TERMINATE LOGOUT
    0B8B F2 90 75               152        JF    NXMOD                     OF THIS MODULE
                                153 *                                    IF X'FF' CODE BYTE - MODULE DONE
    0B8E 2C 00 0C48 01          154        MVC   ADR(1),1(,XR2)
    0B93 3C 00 0C47             155        MVI   ADR-1,X'0'
    0B97 2C 00 0BF5 01          156        MVC   PLEN(1),1(,XR2)            MOVE LENGTH OF FIELD TO PRINT LINK
    0B9C 34 C2 0BF7             157        ST    PADR,XR2                   SET UP ADDRESS PARAMETER
    0BA0 0E 01 0BF7 0C42        158        ALC   PADR(2),ONE
    0BA6 0E 01 0BF7 0C48        159        ALC   PADR(2),ADR
    0BAC 0C 01 0BE5 0BF7        160        MVC   UADR1(2),PADR              SET UP UNPACK SOURCE ADDR
    0BB2 B8 80 00               161        TBN   0(,XR2),X'80'              GO PRINT IF THIS IS PRINTABLE ENTRY
    0BB5 F2 10 38               162        JT    PRTENT
    0BB8 B8 40 00               163        TBN   0(,XR2),X'40'              IF NOT HEX DATA, MUST BE CODE ERROR
    0BBB F2 90 45               164        JF    NXMOD                       TERMINATE LOGOUT OF THIS MODULE
    0BBE 2C 00 0BE3 01          165        MVC   ULEN(1),1(,XR2)            SET UP PARAMETERS TO UNPACK HEX DATA
    0BC3 0C 01 0BE7 0C46        166        MVC   UADR2(2),X881
    0BC9 0E 00 0C48 0C48        167        ALC   ADR(1),ADR
    0BCF 0E 01 0BE7 0C48        168        ALC   UADR2(2),ADR
    0BD5 3C 40 08FF             169        MVI   PLINE+127,C' '             CLEAR DCP PRINT AREA
    0BD9 0C 83 08FE 08FF        170        MVC   PLINE+126(132),PLINE+127
    0BDF C0 87 021E             171        B     UNPACK                     UNPACK HEX DATA
    0BE3 00                0BE3 172 ULEN   DC    IL1'0'
    0BE4 0000              0BE5 173 UADR1  DC    AL2(*-*)
    0BE6 0000              0BE7 174 UADR2  DC    AL2(*-*)
    0BE8 C0 87 021A             175        B     PRINT                      PRINT OUT HEX DATA
    0BEC 21                0BEC 176        DC    XL1'21'
    0BED F2 87 08               177        J     NXCODE                     GO CHECK NEXT CODE BYTE
    0BF0 C0 87 021A             178 PRTENT B     PRINT                      PRINT OUT THIS ENTRY
    0BF4 01                0BF4 179        DC    XL1'01'
    0BF5 00                0BF5 180 PLEN   DC    IL1'0'
    0BF6 0000              0BF7 181 PADR   DC    AL2(*-*)
    0BF8 35 02 0BE5             182 NXCODE I     UADR1,XR2                  MODIFY XR2 TO POINT AT NEXT
    0BFC E2 02 01               183        LA    1(,XR2),XR2                 CODE BYTE
    0BFF C0 87 0B88             184        B     LOOP5                      GO CHECK THIS ENTRY
    0C03 C0 87 021A             185 NXMOD  B     PRINT
    0C07 11                0C07 186        DC    XL1'11'
    0C08 3C 60 C8DA             187        MVI   PLINE+90,C'-'              PRINT LINE OF DASHES TO SEPARATE
    0C0C 0C 59 C8D9 08DA        188        MVC   PLINE+89(90),PLINE+90       MODULES
    0C12 C0 87 021A             189        B     PRINT
    0C16 22                0C16 190        DC    XL1'22'
    0C17 D2 01 08               191 NXMOD1 LA    8(,XR1),XR1                INCREMENT TO NEXT MODULE
    0C1A C0 87 0B76             192        B     CKMOD                      GO PRINT LOGOUT OF NEXT MODULE
    0C1E C0 87 021A             193 LOGEND B     PRINT                      PRINT ENDING MSG AND INSTRUCTIONS
    0C22 42                0C22 194        DC    XL1'42'
    0C23 48                0C23 195        DC    IL1'72'
    0C24 0C90              0C25 196        DC    AL2(ENDMSG)
    0C26 FFE1              0C27 197        DC    XL2'FFE1'
    0C28 3C 5C C8DA             198        MVI   PLINE+90,C'*'              PRINT A LINE OF ASTERISKS
    0C2C 0C 59 C8D9 08DA        199        MVC   PLINE+89(90),PLINE+90
    0C32 C0 87 021A             200        B     PRINT
    0C36 26                0C36 201        DC    XL1'26'
    0C37 C0 87 0222             202        B     HALT
    0C3B FFE1              0C3C 203        DC    XL2'FFE1'                  HALT TO ALLOW INTERVENTION
    0C3D C0 87 C000             204        B     0                          GO RESTART PROGRAM
                                205
```

FF24 SYSTEM TEST SUPERVISOR

```
ERR LOC OBJECT CODE      ADDR STMT SOURCE STATEMENT

                              206 *************
                              207 * CONSTANTS ***********************************************************************
                              208 *************
   0C41 0001               0C42  209 ONE     DC    IL2'1'
   0C43 0004               0C44  210 FOUR    DC    IL2'4'
   0C45 0881               0C46  211 X881    DC    XL2'881'
   0C47 0000               0C48  212 ADR     DC    XL2'0'
                                 213
                                 214 *************
                                 215 * PRINTOUTS ************************************************************************
                                 216 *************
   0C49 D3D6C7D6E4E340C3 0C7B    217         DC    CL51'LOGOUT COMPLETE - REMOVE -BB- FROM LEFT 2 SWS THEN '
   0C51 D6D4D7D3C5E3C540         217
   0C59 6040D9C5D4D6E5C5         217
   0C61 40E0C2C26040C6D9         217
   0C69 D6D440D3C5C6E340         217
   0C71 F240E2E6F240E3C8         217
   0C79 C5D540                   217
   0C7C D9C5E2C5E340C8C1 0C90    218 ENDMSG DC    CL21'RESET HALT TO RESTART'
   0C84 D3E340E3D640D9C5         218
   0C8C E2E3C1D9E3               218
                                 219
                                 220 *********************
                                 221 * RESERVED STORAGE *****************************************************
                                 222 *********************
   0C91                    0C92  223 SAVE1   DS    CL2                   TEMPORARY SAVE AREA FOR XR1
   0C93                    0C94  224 WORK    DS    CL2
   0C95                    0C96  225 POINTR  DS    CL2                   TABLE POINTER FOR NEXT MODULE
                                 226
                                 227 ************
                                 228 * EQUATES ************************************************************************
                                 229 ************
   0001                          230 XR1     EQU   1                     INDEX REGISTER 1
   0002                          231 XR2     EQU   2                     INDEX REGISTER 2
   0008                          232 ARR     EQU   X'08'                 ADDRESS RECALL REGISTER
   0010                          233 IAR     EQU   X'10'                 INSTRUCTION ADDRESS REGISTER
   0212                          234 TEST    EQU   X'212'                SRT -ENTRY TO CHECK CONSOLE SWITCHES
   0216                          235 LINK    EQU   X'216'                SRT -ENTRY TO CHAIN ROUTINE
   021A                          236 PRINT   EQU   X'21A'                SRT -ENTRY TO PRINT
   021E                          237 UNPACK  EQU   X'21E'                SRT -ENTRY TO CONVERT HEX TO EBCDIC
   0222                          238 HALT    EQU   X'222'                SRT -ENTRY TO HALT
   0880                          239 PLINE   EQU   X'880'                START OF DCP PRINT LINE
                                 240         TREP
                                 241         TREP
                                 242         TREP
                                 243         TREP
                                 244         TREP
                                 245         TREP
                                 246         TREP
                          FFFF   247         END
```

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
ADR	A	002	0C48	0212	0154* 0155* 0159 0167 0167* 0168
ARR	C	001	0008	0232	0072
CKDCP	A	004	0B1F	0097	0080 0087 0094
CKLCG	A	004	0AC5	0075	0107
CKMOD	A	003	0B76	0145	0192
ENDMSG	A	021	0C90	0218	0196
FF2	A	001	0A00	0003	
FINDLP	A	003	0AF2	0085	0091
FIRST	A	004	CB3E	0105	0059
FOUR	A	002	0C44	0210	0062 0096
GOTO	A	005	CB47	0100	0104
HALT	C	001	0222	0238	0202
IAR	C	001	0010	0233	0025*
LINK	C	001	0216	0235	0077
LOGEND	A	004	0C[illegible]3	0193	0146
LOOP5	A	003	0B[illegible]6	0151	0184
NEXT	A	003	0B2B	0100	0102
NXCODE	A	004	0BF8	0182	0177
NXMOD	A	004	CC03	0185	0152 0164
NXMOD1	A	003	0C17	0191	0149
ONE	A	002	CC42	0209	0158
PADR	A	002	0BF7	0181	0157* 0158* 0159* 0160
PLEN	A	001	0BF5	0180	0156*
PLINE	C	001	0B80	0239	0140* 0141 0141* 0169* 0170 0170* 0187* 0188 0188* 0198* 0199 0199*
POINTR	A	002	0C9E	0225	0071 0097 0106* 0110*
PRINT	C	001	021A	0236	0138 0142 0175 0178 0185 0189 0193 0200
PRTENT	A	004	CBF0	0178	0162
RENTRY	A	004	CAB2	0070	0027
RETURN	A	004	0B56	0112	0108*
RTN01	A	001	CA91	0053	0013
RTN02	A	001	0B5A	0134	0055
R1LOOP	A	003	CA99	0058	0064
SAVE1	A	002	0C92	0223	0070* 0073 0075* 0076 0078 0079 0081 0082 0083 0093 0098
TABLE	A	001	CA10	0029	0057 0084 0105 0144
TEST	C	001	0212	0234	0099
TR1	A	002	0A0F	0027	0025
UADR1	A	002	0BE5	0173	0160* 0182
UADR2	A	002	CBE7	0174	0166* 0168*
ULEN	A	001	0BF3	0172	0165*
UNPACK	C	001	021E	0237	0171
WORK	A	002	0C94	0224	0081* 0082* 0083* 0089* 0090
XR1	C	001	0001	0230	0057* 0058 0060 0061 0062 0063 0063* 0070 0071* 0072 0073 0074 0084* 0085 0085* 0086 0088 0092 0095 0096 0097* 0100 0100* 0101 0103 0105* 0106 0108 0109 0110 0111 0111* 0144* 0145 0147 0191 0191*
XR2	C	001	0002	0231	0060* 0061 0074 0088* 0089 0090 0095 0109* 0147* 0148 0150 0150* 0151 0154 0156 0157 0161 0163 0165 0182* 0183 0183*
X881	A	002	0C46	0211	0166

TOTAL STATEMENTS FLAGGED IN THIS MBLY = 0

FF24 SYSTEM TEST SUPERVISOR

OBJECT CARD LISTING

THE CHARACTER · INDICATES A BLANK COLUMN AND THE CHARACTERS D̄ Ē H̄ INDICATE NUMERIC SHIFT.

```
CL  1 THROUGH 16  CL  17 THROUGH 32  CL 33 THROUGH 48  CL 49 THROUGH 64  CL 65 THROUGH 80  CL 81 THROUGH 96

TC0Y|"2K     BZD   CM&B-@H%-                                                              C04G7QHFF240001
T<0,D & .O%HAE/A  '"0C2-R15 -)% &D  GL-DACDLK &T /0D  R( D<UTMACIR4B E  < &<<UX&BA& OHB&  -F&*C1$QFF240002
T.0,4<  <UT6#CIG  -&HO+H <ULV CIG  2UD<H &2LCIDH -2  LCIHH &2MCI.B &Y  H4-DH B0YISH-GAY  LC0*C#H@FF240003
T<0%Y¬¬@ @YDU)&H  GH <<V D_ &2M *  AB?I@#- 8D 2J@Z  I$ DAA48A &1D(&D  <VT7&CIG - 1.KU  )E/D<¬IDFF240004
T( _) /.K &/'*-C  -&%,¬¬@ @-D<0-D  HBC&ACI$ /0,EG D  .O&E5 -M4 &2O)&D  C0H*  H ""@ HKD  )FJM.RLHFF240005
T(->M0H*BF/<@P T  ECEUH6&TE0H*BFS.  B &Y&¬¬@ @YFS)&H  G?¬@H@YFK_&HI>L@  @ZA5. <K D@  C<PP- FF240006
T.0?DCD*%  ?5 I&  BB"*+ &?7CDH+ &?  7CD-< &?VB";8- C  2DCS8& C2UDM%  ?  T &0A  %GAYOEA  +B-MAOTDFF240007
T( ?9B=*<J-8 CD-  <K 8A3=*<KC1 B|@  <-0T=B|" /0H;  C /0HEH¬HGB<B  G /YA  (&H C04  IA0<A:Q4FF240008
T(-00B=PS -3 /0>  H0H*BF/D@Q TECEU  H5&TE0H*BFS.K &T  /0_&0H*BFU:HCIC  "8L1*b(Y<O&TRB  ,H0-AEH4FF240009
T+-1,6%BG /YW0H*  BH?"/0H*  A &  H-&  4'$G5>LT&<|  05(¬L1;|E&PA 6*P  M5>PE&FCB0WA 1_X  05D  'H*FF240010
TI 2&4@PF84C2&+.  W8UCT2<PN&(XE8%P  T&<TA4=( 8'R 6*P  S8@GR80  FF240011
**********  **********  **********  **********  **********  *****EL FF240012
* FF2 - SYSTEM T  EST SUPERVISOR.  *;ZQFF240013
*  ROUTINE  *5&*FF240014
*  01 - MODUL  E MULTI-PROGRAMM  ING SUPERVISOR.  *JS<FF240015
*  02 - LOGOU  T ROUTINE. SET L  EFT 2 ADDRESS SW  ITCHES TO -BB- T  O OBTAIN LOGOUT.  *'.QFF240016
*  AFTER  LOGOUT REMOVE -  BB- FROM LEFT 2  SWITCHES.  *¬L4FF240017
**********  **********  **********  **********  **********  *****ELYFF240018
E""'*E7*=¬DC"?H$  ="7M&F|  !  C  F%  ASC  R A  S@  Q  09310317710  40571=HDFF240019
```